

Volume 2



ENGINEER'S AND OWNER'S CERTIFICATION OF CLOSURE FOR WASTE MANAGEMENT UNITS AT PHILADELPHIA COKE COMPANY

Prepared for:

Philadelphia Coke Company
Philadelphia, Pennsylvania

Woodward-Clyde 

Prepared by:

Woodward-Clyde Consultants
Plymouth Meeting, Pennsylvania

December 1992

February 2, 1990
87C2839A-2

Pennsylvania Department of
Environmental Resources
1875 New Hope Street
Norristown, PA 19401

Attention: Mr. Lawrence H. Lusk
Regional Waste Management
Facilities Supervisor

Re: Stockpile Characterization
at the Philadelphia Coke Site

Gentlemen:

As requested in your November 29, 1989 letter to Mr. Jack McKenna, Woodward-Clyde Consultants (WCC) characterized the four soil/material stockpiles currently located at the Philadelphia Coke site. These stockpiles were formed during site cleanup activities associated with closure of various RCRA units. Based upon results of RCRA characteristic analyses of these stockpiles, these materials are not hazardous wastes under current regulations.

Locations of the stockpiles are indicated on Figure 1. A brief description and estimated volume for each stockpile follows:

- o Stockpile 1 (15,000 cu yd) - Soils from excavations made at the site in order to gain access to the various RCRA units. Most of this stockpile consists of materials ranging from coarse sands to silty clays.
- o Stockpile 2 (1,200 cu yd) - Soils from excavations made in order to gain access to underground tanks in the former light oil plant area. These soils consist mostly of silty clays.
- o Stockpile 3 (2,000 cu yd) - Coke breeze with some soil from excavation of the former tar plains area.
- o Stockpiles 4A and 4B (2,900 cu yd) - Paving materials that consist of small amounts of coal tar binder mixed with cinder aggregate that resulted from excavation of several on-site roads. Material in the larger pile has been screened to less than 4 inches. Rejects from the screening form the smaller pile. The two piles are considered one for analyses and volume estimates.

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Composite samples of the four stockpiles were analyzed for USEPA priority pollutant base/neutral extractables (BNE), acid extractables (AE), EP toxicity (EPTOX) or TCLP toxicity for inorganics, and RCRA reactivity (REAC). The results are summarized in Table 1 and discussed below:

- o Base/neutral extractables - BNE compounds detected in stockpiles 1, 2, and 3 are the result of various coal tar leaks and spills that were inevitable (but not commonplace) during the plant's 53 years of operation.

In addition, some of the product coal tar was used as a binder for aggregate to pave on-site roadways. This coal tar binder is the source of the BNE compounds in the stockpiled paving materials (Stockpiles 4A and 4B).

- o Acid extractables - No quantifiable concentrations were observed.
- o EP or TCLP toxicity for inorganics - None of the stockpiles contained sufficient concentrations of inorganic compounds to be classified EP Toxic.
- o RCRA Reactivity - None of the stockpiles contained sufficient cyanide or sulfide concentrations to be classified RCRA reactive.

Accordingly, the four stockpiles are neither listed nor characteristic hazardous wastes, based upon current state and federal regulations and the chemical characterizations summarized in Table 1.

We trust these characterization results will enable the Department to continue review of the Draft Site Restoration Work Plan (WCC, September 1989), as discussed in your letter. WCC believes that the proposed soil-cement cap plan represents a beneficial re-use of these stockpiled soils.

Please contact us with any questions you may have pertaining to this matter.

Very truly yours,

WOODWARD-CLYDE CONSULTANTS

James V. Husted, P. E.
Project Manager

JVH/sal/PC3

cc: Mr. John T. McKenna,
Philadelphia Coke Company

TABLE 1
STOCKPILE CHARACTERIZATION AT THE
PHILADELPHIA COKE SITE

	Stockpile 1	Stockpile 2	Stockpile 3	Stockpile 4
BNE (mg/kg dry weight basis)				
Acenaphthene	ND	ND	ND	ND
Acenaphthylene	23.0	17.2	8.51	24.5
Anthracene	66.7	33.1	14.4	47.5
Benzo(a)anthracene*	101	57.2	31.9	102
Benzo(a)pyrene*	81.5	49.0	28.1	88.0
Benzo(b+k)fluoranthene*	136	85.8	48.1	157
Benzo(g,h,i)perylene	41.5	34.7	23.6	63.0
Chrysene*	133	57.2	55.5	186
Dibenzo(a,h)anthracene*	26.7	ND	10.7	29.9
Fluorene	64.5	29.8	11.9	36.5
Fluoranthene	239	123	59.2	271
Indeno(1,2,3-c,d)pyrene*	40.8	31.9	20.0	55.0
Naphthalene	73.1	6.1	13.0	26.0
Phenanthrene	170	106	40.7	172
Pyrene	168	85.8	44.4	227
TPAHs	1365	717	410	1485
*CPAHs	519	281	194	618
AE (mg/kg dry weight basis)	ND	ND	ND	ND
Inorganics in Leachate (mg/l)				
Leachate Procedure	TCLP	EPTOX	EPTOX	EPTOX
Arsenic	ND	ND	ND	ND
Barium	0.2	0.2	0.4	0.3
Cadmium	0.008	ND	0.006	0.006
Chromium	ND	ND	ND	ND
Lead	0.70	0.07	ND	0.06
Mercury	ND	ND	ND	ND
Selenium	ND	ND	ND	ND
Silver	ND	ND	ND	ND
REAC (mg/kg)				
Cyanide	ND	ND	ND	ND
Sulfide	ND	ND	ND	ND

Note: ND indicates the measured concentration was below quantitation limits for this compound.

5100 Butler Pike
Plymouth Meeting
Pennsylvania 19462
215-825-3000
Fax: 215-834-0234

Woodward-Clyde Consultants

February 8, 1990
87C2839A-1

Pennsylvania Department of
Environmental Resources
1875 New Hope Street
Norristown, PA 19401

Attention: Mr. Lawrence H. Lusk
Regional Waste Management Facilities Supervisor

Re: Progress Report for
Philadelphia Coke Site

Gentlemen:

This letter updates the Department on the current status of work at the Philadelphia Coke site. Work is proceeding in four major areas:

- o Soil stockpile removal or treatment
- o Biotreatment pilot program
- o Former oil tank farm area restoration
- o Groundwater monitoring

In response to the PADER's request, Woodward-Clyde Consultants (WCC) has characterized all four of the soil/material stockpiles currently located at the site. Analyses for RCRA characteristics indicated that these soils and materials are not hazardous wastes as defined under current state and federal laws. This evaluation has been submitted to the PADER under separate cover.

As suggested by the PADER, WCC evaluated the possible use of stockpiled soils as daily cover at eight area landfills. Only one facility (GROWS Landfill in Morrisville, Bucks County, Pennsylvania) agreed to take the soils as daily cover with the written approval of the PADER. Based upon telephone conversation with both PADER and GROWS Landfill representatives, WCC understands that a major permit modification would be required in order for the landfill to accept the material as daily cover. At this writing, WCC is pursuing this option with landfill representatives.

WCC is also continuing to evaluate the beneficial re-use of the stockpiled soils to form a soil-cement cap (described in the Draft Site Restoration Work Plan, September 1989) as an alternative. This option would reuse all the soils/materials stockpiled on-site as soil-cement paving base course.

The biotreatment pilot program was concluded on January 8, 1990 and a report detailing the program and its results will be issued in February. In summary, the application of biotreatment technologies to the soil matrix at the Philadelphia Coke site was able to markedly reduce the measured concentration of CPAHs; however, the goal of 50 ppm CPAHs was not reached.

Consulting Engineers, Geologists
and Environmental Scientists

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At this writing, the first priority for the Philadelphia Coke site is the removal or treatment of the stockpiled soils/materials. Three alternatives that are technically and economically feasible are currently being considered for handling the stockpiled soil/materials. These include:

- o Alternative 1 - Use as landfill daily cover.
- o Alternative 2 - Use to form soil-cement base course for cap.
- o Alternative 3 - Biotreat to a technically achievable CPAH level.

Alternative 1 (using these materials as daily cover) requires the PADER's assistance in dealing with GROWS Landfill and obtaining the proper permit modifications. Alternative 2 involves using the stockpiled soils/materials in a soil-cement base course for a cap to minimize infiltration into the former process area. Alternative 3 would involve bioremediation of the stockpiled soils to a level shown to be technically feasible in the biotreatment pilot program (i.e., 220-225 ppm CPAHs). It is the Philadelphia Coke Company's intent to implement one of these alternatives as soon as possible.

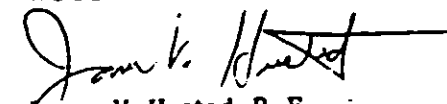
WCC has initiated the concept design phase of the in situ biorestitution system for the former fuel oil tank farm area. Two downgradient monitoring wells, MW-13 and MW-14, were installed on December 14, 1989 at locations coordinated with the Department. Continuous split-spoon sampling was performed and soils were analyzed for total petroleum hydrocarbons. These two new wells were also sampled during the regular quarterly groundwater sampling round on January 11, 1990. A conceptual design for the proposed biorestitution system will be submitted to the PADER in April 1990.

The RCRA groundwater monitoring program continues with quarterly sampling rounds. The background well (MW-4R) is being sampled in quadruplicate as required by 75.265 (n) for four indicator parameters in order to perform a statistical evaluation of possible significant change in February 1991. A database of all chemical analyses for the monitoring wells has been developed and WCC is currently evaluating spacial and temporal trends in these data.

WCC would like to meet with you during the week of February 19, 1990 to discuss both ongoing and proposed work at the Philadelphia Coke site. Larry, I will call you in the next day or so to arrange a mutually convenient meeting date.

Very truly yours,

WOODWARD-CLYDE CONSULTANTS


James V. Husted, P. E.
Project Manager

JVH/sal/PC3

cc: Mr. John T. McKenna, Philadelphia Coke Company
Mr. Ken Cowan, PADER
Ms. Sara Pantelidou, PADER
Mr. Rob Zang, PADER

Department of Environmental Resources

1875 New Hope Street
Norristown, PA 19401
215-270-1948

April 4, 1990

Mr. John Hancock
Executive Vice President
Eastern Enterprises
9 Riverside Road
Weston, MASS 02193

Dear Mr. Hancock:

We have completed a review of the proposal for remediation for the stockpiled contaminated soil and the tank farm area at the Philadelphia Coke facility located in the City of Philadelphia. This consisted of a draft site restoration plan of September, 1989, sampling results of February 2, 1990 on the soil stockpile and the progress report letter of February 8, 1990. These comments will read as follows:

1. The following comments are on remediation of the soil stockpiles:
 - a. Total estimated volume of the stockpiled soil appears to be 21,100 cubic yards.
 - b. How were the composite samples collected for each stockpile? Were they surface grabs or deeper samples? Please note that if composites were composed of only surface samples, they would not be truly representative of each stockpile.
 - c. You have proposed three alternatives for remediation of the stockpiled soils. These are the use of soils for cover material at G.R.O.W.S. Landfill, the creation of a soil cement to cap a portion of the Philadelphia Coke site, and the bioremediation of the soil to the lowest concentration possible.
 - d. In order to consider your proposal to use the soil for cover material at G.R.O.W.S. Landfill, the following information will have to be submitted.
 - (1) Can G.R.O.W.S. accept soil contaminated with the compounds identified in the soil? This would have to come in on a submission from G.R.O.W.S. Landfill.
 - (2) Will workers handling the soil as daily cover undergo undue risk compared to the risk associated with disposing of the material at a landfill?
 - (3) Will the material meet the percent coarse fragment and textural requirements specified in Section 273.232 of the Municipal Waste Rules and Regulations?

Mr. John Hancock
April 4, 1990

-2-

- e. We feel the proposal to create a soil cement with the material has the following problems:
 - (1) The isolation of the material by using this process has not been shown to reduce all avenues of risk. Workers that would be mixing the cement with this material would most likely be protected, but will the same level of protection be enforced if repairs to this cap are required at any time in the future?
 - (2) We do not see the benefit of using the soil cement on site to cap an area when the same benefit can be achieved by just utilizing the asphalt for use in this proposal.
 - (3) You do not identify what limitations will be in place for use of the capped area. Will this restricted use prevent damage of the cap forever, or will repair with possible exposure occur?
 - (4) To summarize this proposal appears to be nothing more than an alternative disposal option in lieu of beneficial use and that human exposure would be reduced for this proposal to the same or greater degree than if the material is disposed of at the landfill site.
 - f. Your proposal to bioremediate the soil appears to be unacceptable because you cannot achieve background concentrations.
2. The following comments are on remediation of the tank farm soils:
- a. Your propose to excavate a portion of the material and dispose of this at an approved landfill site. The remaining contamination will be bioremediated with in situ treatment. The volumes contaminant concentrations for these two steps should be identified.
 - b. Operating information must be submitted for the Horiba analyzer so that we can review the soundness of the results reported. How do the values reported by this unit compare to lab results?
 - c. Please submit the results for the sampling of monitoring wells MW13 and MW14 conducted on January 11, 1990.
 - d. The bioremediation proposal should include the following information concerning its design:
 - (1) A feasibility study to determine the effectiveness of this proposal to reduce contaminant concentrations should be done. This proposal should only be submitted if reduction of soil contamination can be achieved to background concentrations.

Mr. John Hancock
April 4, 1990
-3-

- (2) Protective measures for preventing groundwater contamination will be necessary.
 - (3) The design methods for aerating and adding nutrients, including the frequency of aeration and nutrient addition are necessary.
- e. Our Bureaus of Water Quality and Air Quality will have to be contacted to determine if any permit would be required for this proposal.
3. We have not yet received results from sampling conducted on October 12, 1989, by your firm for Area VIII. These samples were to be analyzed for base neutral extractables and total metals. We were especially interested in learning the total concentration of cyanide since soil coloring indicated cyanide may be present. Soil coloring was a blueish color.

This concludes our comments on remediation of the stockpiled contaminated soil and the soil in the tank farm area involving final closure of the Philadelphia Coke site. This project has been going on for quite some time. The response to this letter must include a date when final closure certification will take place. This date is not to extend beyond September 30, 1990. If you have any questions concerning this letter, you may contact me at 270-1948.

Very truly yours,

LAWRENCE H. LUNSK
Waste Management Facilities Supervisor

cc: Ms. Kurtz
Mr. Husted
Re30 WM80.2 - WM80.3

**Woodward-Clyde
Consultants**

APPENDIX A-40

WCC Letter Dated May 10, 1990

5120 Butler Pike
Plymouth Meeting
Pennsylvania 19462
215-825-3000
Fax 215-834-0234

Woodward-Clyde Consultants

May 10, 1990
87C2839A-1

DER-RECEIVED
NORRISTOWN

MAY 11 1990

Pennsylvania Department of Environmental Resources
1875 New Hope Street
Norristown, PA 19401

Attention: Mr. Robert Zang

Re: Philadelphia Coke Company
Update on Site Cleanup Status

Gentlemen:

This letter responds to concerns you expressed during telephone conversations with Mr. William Law of Eastern Enterprises and the undersigned on Wednesday, May 9, 1990. We have attempted to address here what we understand are your areas of concern and have itemized these as follows:

1. Delivery of Conceptual Design for Former Oil Tank Farm Area Restoration - We apologize for not informing you that the conceptual design of the restoration system for the former tank farm area would be delayed. Hereafter we will try to keep you advised of the project schedule and changes. We are anticipating delivery of the conceptual design to the Department in May. The delay in preparing the conceptual design resulted from our efforts to more thoroughly understand the area hydrogeology. Specifically, a pump test was conducted using a pumping well and two piezometers in the Former Tank Farm Area. The pump test has been completed, the results analyzed and incorporated into the conceptual design.
2. Request For Status Update on Management of the Various Stockpiled Soils - As explained in our February 8, 1990 letter, Philadelphia Coke has been pursuing the Department-suggested option of utilizing the stockpiled soils as daily cover at various area landfills. As I explained by telephone yesterday, the daily cover option has apparently been eliminated from further consideration by GROWS landfill due to permitting and various regulatory requirements.

Accordingly, we are now pursuing, as one of our possible options, the disposal of these stockpiled materials as "special waste", not only at GROWS, but also at several other landfills in an attempt to obtain the most cost effective solution for managing these materials. At this writing we are awaiting a quotation from GROWS to receive the material as "special waste" and have been in contact with several other area landfill facilities to solicit quotations from them.

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We recognize that managing and disposing of these stockpiled soils as waste will require a Module 1 approval. We also recognize that there is about a six week Module 1 approval process and look forward to the Department's assistance in approving a possible application in an expeditious manner, should one be submitted, so that we could complete removal of these materials from the site before September 30, 1990.

Hopefully, the Department recognizes that the time period that has elapsed since the closure of the RCRA units listed in the approved Closure Plan during 1988 has been spent in attempting to deal with these stockpiled soils not as wastes but as resources in the spirit of both RCRA and SARA. Philadelphia Coke has expended considerable time, effort and money attempting to bioremediate these stockpiled soils. We believe we have been successful in that regard because we achieved between 70 and 80 percent reduction in the total PAH concentration of the stockpiled soils during the last phase of our biotreatment pilot work. The biotreatment pilot program has demonstrated that we can reduce the PAH concentration to levels that have been approved as a cleanup criterion in at least one USEPA Record of Decision (ROD).

We have also proposed use of the stockpiled soils as a soil-cement subbase for a macadam cap over the former processing area at the plant site. We believe this option remains viable and potentially cost effective.

Philadelphia Coke Company has pursued these options because we do not believe that these materials represent any significant threat to either human health or the environment in their present condition. The PAH components in the soil matrix are tightly sorbed to the soil particles such that they are not mobile in the environment. This has been demonstrated as part of the TCLP extraction testing that was done in connection with the biotreatment pilot program work on soils both before and after treatment. Philadelphia Coke has attempted to develop plans to manage these soils in ways that would keep them on site in an environmentally safe manner and not export them off site to waste what we believe is valuable and dwindling regional landfill capacity.

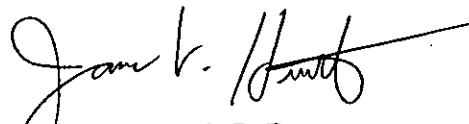
3. **Concern About PAH Content in the Soil in the Former Oil Tank Farm Area -** The Department has expressed concern that the former tank farm area may have been a disposal area for coal tar-related components. Based upon our test pit, soil boring, and well placement activities in the area, we have seen no evidence of coal tar-related material depositions. Samples of the tank farm area soils were collected as part of the bioremediation pilot program and only low concentrations of PAHs (i.e., 3.76 ppm total PAHs) were observed in the samples. These results will be reported to the Department in the forth-coming Conceptual Design Report for the Oil Tank Farm Area Restoration.

4. Concern About Disposal of Soils from the Oil Tank Farm Area - As described in our proposed site restoration plan submitted to the Department on September 26, 1989, and addressed in the Department's review letter dated April 4, 1990, quantities of soils for off-site disposal have been estimated and will be reported in the Conceptual Design Report.

Should you have any questions pertaining to this matter, please contact us.

Very truly yours,

WOODWARD-CLYDE CONSULTANTS



James V. Husted, P. E.
Project Manager

JVH/sal/PC3

cc: Mr. J. McKenna, Philadelphia Coke Co.
Mr. L. Lunsk, PADER

**Woodward-Clyde
Consultants**

APPENDIX A-41

WCC Letter Dated June 15, 1990

5120 Butler Pike
Plymouth Meeting
Pennsylvania 19462
215-825-3000
Fax 215-834-0234

Woodward-Clyde Consultants

June 15, 1990
87C2839A-2

Pennsylvania Department of
Environmental Resources
1875 New Hope Street
Norristown, PA 19401

Attention: Mr. Robert Zang

Re: Possible Cyanide
Contamination at the
Philadelphia Coke Site

Gentlemen:

As requested by the Department, blue-colored rocks observed on the soil surface at the Philadelphia Coke Site were subjected to a RCRA hazardous waste characteristic determination. This blue color is probably due to the presence of ferrocyanide salts such as Prussian Blue which are relatively common at former manufactured gas plant sites. These salts are insoluble, complexed ferrocyanides that typically were produced during the final coal gas cleaning process in the oxide boxes or during the production of ammonium sulfate; neither of which are RCRA-listed wastes from specific or non-specific sources.

To determine whether these rocks constitute hazardous waste in accordance with PADER hazardous waste regulations, a pulverized sample of the blue-colored rocks was subjected to EP Toxicity (inorganics) and RCRA Reactivity tests. The analytical data for this sample is included as Attachment A. These data indicate that the blue-colored rocks from the Philadelphia Coke site did not exhibit the characteristic of RCRA Reactivity. The sample also did not exhibit the characteristic of EP Toxicity for inorganics.

Because the blue-colored rocks at the Philadelphia Coke site do not exhibit the characteristics of RCRA Reactivity or EP Toxicity, and because they were not derived from a process specifically listed under RCRA as a hazardous waste-generating process, these blue-colored rocks are not hazardous waste.

As discussed during our June 12, 1990 meeting, the area where these blue-colored rocks were found is scheduled to be rescraped within the next several weeks. The rescraping is being done, as requested by the Department, in a limited portion of one of the RCRA closure areas in order to achieve the 50 ppm CPAH

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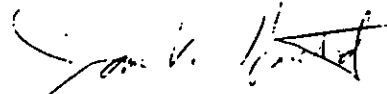


cleanup criterion for the soils. Soil removed from the area will be placed in the existing on-site stockpile where similar materials are stored for subsequent disposal or reuse.

Please contact us with any questions you may have.

Very truly yours,

WOODWARD-CLYDE CONSULTANTS



James V. Husted, P.E.
Project Manager

JVH/sal/dcs02

cc: Mr. J. McKenna
Mr. L. Lunsk



ANALYSIS REPORT

Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

Woodward Clyde Consultants-PA
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/12/89
Date Submitted 11/17/89
Discard Date 1/12/90
Collected by JH
P.O. 87C2839A-2
Rel.

Phila. Coke ZG-1 Solid Sample
Collected 11/16/89 at 1000 by JH

ANALYSIS	RESULT AS RECEIVED	LIMIT OF QUANTITATION	LAB CODE
Reactivity	see below		112105000
Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.			
Sulfide (Reactivity)	< 50. mg/kg	50.	112201500
Cyanide (Reactivity)	< 100. mg/kg	100.	112302500

1 COPY TO Woodward Clyde Consultants ATTN: Julie P. Via

American Association for Laboratory Accreditation
Chemical, Biological & Environmental
Methods of Testing



Questions? Contact Environmental
Technical Services at (717) 656-2301
409 03464 0.00 009000

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Debora K. Gifford,
Group Leader, Inorganics



American Council of Independent Laboratories, Inc.

See Reverse Side For Explanation
Of Symbols And Abbreviations And
Our Standard Terms And Conditions

ANALYSIS REPORT

Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

Woodward Clyde Consultants-PA
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/12/89
Date Submitted 11/17/89
Discard Date 1/12/90
Collected by JH
P.O. 87C2839A-2
Rel.

EP Toxicity Leachate of ZG-1 Solid Sample
Collected 11/16/89 at 1000 by JH

ANALYSIS	RESULT		LIMIT OF QUANTITATION	LAB CODE
	AS RECEIVED			
Barium	0.1	mg/l	0.1	024601300
Cadmium	< 0.005	mg/l	0.005	024901300
Chromium	< 0.05	mg/l	0.05	025101300
Lead	< 0.05	mg/l	0.05	025501300
Mercury	< 0.0005	mg/l	0.0005	025902500
Silver	< 0.01	mg/l	0.01	026601300
Arsenic	< 0.05	mg/l	0.05	133501300
Selenium	< 0.05	mg/l	0.05	133601300

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0, Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4, Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

1 COPY TO Woodward Clyde Consultants ATTN: Julie P. Via

The American Association for
Laboratory Accreditation
Chemical, Biological & Environmental
fields of testing



Member American Council of
Independent Laboratories, Inc.



Questions? Contact Environmental
Technical Services at (717) 656-2301
409 03464 150.00 026600

See Reverse Side For Explanation
Of Symbols And Abbreviations And
Our Standard Terms And Conditions

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Debora K. Gifford,
Group Leader, Inorganics

**Woodward-Clyde
Consultants**

APPENDIX A-43

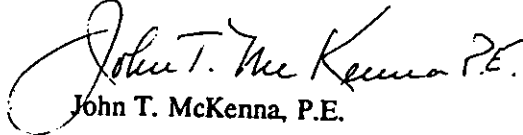
WCC Letter Dated August 27, 1991

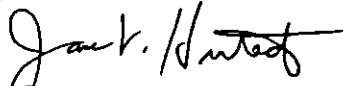
Woodward-Clyde Consultants

Mr. Lawrence H. Lusk
PADER
August 27, 1991
Page 2

Please contact either of the undersigned if you have any questions pertaining to this matter.

Very truly yours,


John T. McKenna, P.E.


James V. Husted, P.E.
Project Manager

JTM/JVH/gmb/wp51

cc: Mr. J. Hancock
Mr. R. Zang, PADER

Woodward-Clyde Consultants

5120 Butler Pike
Plymouth Meeting
Pennsylvania 19462
215-825-3000
Fax 215-834-0234

August 27, 1991
87C2839A-1

Mr. Lawrence H. Lunsik
Regional Facilities Supervisor
PADER
Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428

RE: Status of Soil Removal from Philadelphia Coke Company

Dear Mr. Lunsik:

This letter conveys our request for your assistance in obtaining the Department's approval for disposing of the stockpiled soil materials from the Philadelphia Coke Company (PCC) property at the G.R.O.W.S. Landfill. We (PCC, the Department, G.R.O.W.S. and Woodward-Clyde) have been working diligently toward removing these materials from the PCC site in accordance with the Department's wishes since November 1989. During this time we have had several meetings, held countless telephone conversations, exchanged numerous letters, conducted two material sampling events, and submitted the appropriate forms (Module 1 and related information) with what we believe to be extensive additional information about these materials. Analysis by two independent laboratories of numerous samples collected from within and on the stockpiles has, in our opinion, clearly demonstrated that these materials are quite homogeneous and represent nothing more than soils that contain small amounts of coal tar. There are no detectable levels of PCBs or significant levels of metals or other contaminants; just coal tar-related constituents.

At this writing we believe PCC has done everything it can to manage these materials in accordance with the Department's guidance and wishes. PCC has contracts in place with both the disposal facility (G.R.O.W.S.) and a local hauler to begin the removal operation; probably within days after receipt of the Department's authorization.

Prompt removal and proper disposal of these materials is in everyone's best interest. For both the Department and PCC, it represents the last major step toward completing closure activities. For PCC it significantly improves the marketability of the property and its eventual return to future productiveness in a beleaguered Philadelphia economy.

Recent telephone correspondence with Department and G.R.O.W.S. representatives has suggested a tone of confusion about the status of this project. PCC would appreciate your help with moving the offsite disposal project forward.



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**Woodward-Clyde
Consultants**

APPENDIX A-44

PADER Letter Dated January 16, 1992

5120 Butler Pike
Plymouth Meeting
Pennsylvania 19462
215-825-3000
Fax 215-834-0234

Woodward-Clyde Consultants

November 14, 1990
87C2839A-1

Pennsylvania Department of Environmental Resources
Bureau of Waste Management
1875 New Hope Street
Norristown, PA 19401

Attention: Mr. Lawrence H. Lusk
Waste Management Facility Supervisor

Re: Philadelphia Coke Company
Update on Stockpiled
Materials

Gentlemen:

This letter summarizes the effort and progress Philadelphia Coke Company has made toward managing the stockpiled materials at the former Philadelphia Coke Company site since completion of RCRA closure work in late 1988 and early 1989. Philadelphia Coke Company has investigated numerous technologies to cost effectively manage the stockpiled materials in an environmentally acceptable manner. These include:

- **BIOREMEDIATION** - Pilot study work, as summarized in Woodward-Clyde Consultant's (WCC's) February 5, 1990 report that was submitted to the PADER in April 1990, indicates that the technology is capable of reducing total PAHs in the stockpiled soils by 80 percent. This technology however, was considered unacceptable by the Department (as indicated in PADER's April 4, 1990 letter), because it could not "achieve background concentrations".
- **SOIL CEMENT CAP** - The concept of utilizing the stockpiled soils to form a soil cement cap was originally proposed in the September 1989 Draft Site Restoration Work Plan. Soil cement test samples were formed which



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indicated that the stockpiled soil materials could be utilized successfully to form a structurally sound soil cement cap subbase. This technology was essentially rejected by the PADER in the April 4, 1990 letter.

- **COKE BREEZE UTILIZATION AS FUEL** - Philadelphia Coke Company investigated various potential uses for the stockpiled coke breeze as fuel. Several potential users around the state were contacted, including Scott Paper Company in Chester, Pennsylvania and other culm-burning, fluidized-bed boiler facilities. None of these potential users however, were interested in the material because the breeze was generated from bituminous coal which was not considered acceptable by the users.
- **DAILY COVER USE** - As suggested by the PADER, Philadelphia Coke Company evaluated the possible use of the stockpiled soils as daily cover at eight southeastern Pennsylvania landfills. Only one landfill (GROWS in Morrisville, Bucks County) has submitted a proposal to accept the materials as a special waste. Philadelphia Coke Company has negotiated an acceptable arrangement with GROWS for disposal of the stockpiled materials at the Morrisville facility.

Stockpile characterization data, originally submitted to the PADER via WCC's February 2, 1990 letter, characterized the chemical nature of the stockpiled materials. This same information was subsequently provided to GROWS for their consideration in evaluating acceptance of the material as a special waste. Additional stockpile characterization requested by the PADER has been completed in cooperation with the GROWS facility and analytical results of this sampling have been submitted by GROWS to the Department for review. The samples were collected from the large stockpile

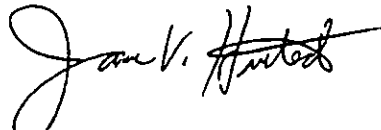
(originally designated Stockpile Number 1 in WCC's February 2, 1990 letter). The analytical data show the material exhibits chemical characteristics essentially identical to those described in WCC's February 2, 1990 stockpile characterization report submitted to the Department and to GROWS.

In summary, Philadelphia Coke Company will begin removal and disposal of the stockpiled materials to the GROWS Landfill upon authorization by the Department. We request the Department notify us as soon as your review of the recently submitted analytical information is completed so we can finalize selection of a hauling contractor.

Should you have any questions pertaining to this matter, please contact us.

Very truly yours,

WOODWARD-CLYDE CONSULTANTS



James V. Husted, P.E.
Project Manager



for John T. McKenna
Consultant to Philadelphia Coke Company

JVH/JTMcK/sal/dcs01

cc: Mr. Robert Zang, PADER

APPENDIX A
LABORATORY ANALYSIS REPORTS



ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

Lab. No. SW 1500010

Woodward Clyde Consultants-PA
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 11/20/90
Date Submitted 10/31/90
Discard Date 12/21/90
Collected 10/29/90 by JVE
Time Collected 0900
P.O. 87C 2839A-6
Rel.

Philadelphia Coke ATP-1 Absorber Tank Pad
Composite Soil Sample

ANALYSIS	RESULT AS RECEIVED		LIMIT OF QUANTITATION	LAB CODE
Moisture	30.2	% by wt.	0.1	011101200
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.				
Reactivity	see below			112105000
Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.				
Sulfide (Reactivity)	50.	mg/kg	50.	112201500
Cyanide (Reactivity)	< 100.	mg/kg	100.	112302500
Acid Extractables (SW846/8270)	attached			119814000
Base Neutrals (SW846/8270)	attached			119940000
Base Neutral cont (SW846/8270)	attached			120000000

1 COPY TO Woodward Clyde Consultants ATTN: James Husted

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458 03464 55.00 069700



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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Manager GC/MS



ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

Woodward Clyde Consultants-PA
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Lab Sample No. SW-1593819
Date Reported 11/20/90
Date Submitted 10/31/90
Discard Date 12/21/90
Collected 10/29/90 by JVH
Time Collected 0900
P.O. 87C 2839A-6
Rel.

Philadelphia Coke ATP-1 Absorber Tank Pad
Composite Soil Sample

ANALYSIS	RESULT	LIMIT OF	LAB CODE
	DRY WT. BASIS	QUANTITATION	
Moisture *AS RECEIVED*	30.2 % by wt.	0.1	011100000
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Acid Extractables (SW846/8270)	attached		119800000
Base Neutrals (SW846/8270)	attached		119900000
Base Neutral cont (SW846/8270)	attached		120000000

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Client Services at (717) 656-2301

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Manager GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

Woodward Clyde Consultants-PA
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Philadelphia Coke ATP-1 Absorber Tank Pad
Composite Soil Sample

~~Lab Sample No. 98-1598819~~
Date Reported 11/20/90
Date Submitted 10/31/90
Discard Date 12/21/90
Collected 10/29/90 by JVB
Time Collected 0900
P.O. 87C 2839A-6
Rel.

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		QUANTITATION	
Acid Extractables (SW846/8270)				
2-chlorophenol	< 470.	ug/kg	470.	118600000N
phenol	730.	ug/kg	470.	118500000N
2-nitrophenol	< 470.	ug/kg	470.	065100000N
2,4-dimethylphenol	< 470.	ug/kg	470.	064800000N
2,4-dichlorophenol	< 470.	ug/kg	470.	064700000N
4-chloro-3-methylphenol	< 470.	ug/kg	470.	119000000N
2,4,6-trichlorophenol	< 470.	ug/kg	470.	065600000N
2,4-dinitrophenol	< 1,200.	ug/kg	1,200.	065000000N
4-nitrophenol	< 1,200.	ug/kg	1,200.	119200000N
2-methyl-4,6-dinitrophenol	< 1,200.	ug/kg	1,200.	064900000N
pentachlorophenol	< 1,200.	ug/kg	1,200.	119400000N

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Timothy S. Oostdyk, B.A.
Manager GC/MS



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Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

Woodward Clyde Consultants-PA
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Lab Sample No. SW 1503819
Date Reported 11/20/90
Date Submitted 10/31/90
Discard Date 12/21/90
Collected 10/29/90 by JVH
Time Collected 0900
P.O. 87C 2839A-6
Rel.

Philadelphia Coke ATP-1 Absorber Tank Pad
Composite Soil Sample

	RESULT	LIMIT OF	LAB CODE
	DRY WT. BASIS	QUANTITATION	
Base Neutrals (SW846/8270)			
N-nitrosodimethylamine	< 470. ug/kg	470.	069700000N
bis (2-chloroethyl) ether	< 470. ug/kg	470.	066700000N
1,3-dichlorobenzene	< 470. ug/kg	470.	067700000N
1,4-dichlorobenzene	< 470. ug/kg	470.	118700000N
1,2-dichlorobenzene	< 470. ug/kg	470.	067600000N
bis (2-chloroisopropyl) ether	< 470. ug/kg	470.	066800000N
hexachloroethane	< 470. ug/kg	470.	069200000N
N-nitrosodi-n-propylamine	< 470. ug/kg	470.	118800000N
nitrobenzene	< 470. ug/kg	470.	069600000N
isophorone	< 470. ug/kg	470.	069400000N
bis (2-chloroethoxy) methane	< 470. ug/kg	470.	066600000N
1,2,4-trichlorobenzene	< 470. ug/kg	470.	118900000N
naphthalene	4,790. ug/kg	470.	069500000N
hexachlorobutadiene	< 470. ug/kg	470.	069000000N
hexachlorocyclopentadiene	< 470. ug/kg	470.	069100000N
2-chloronaphthalene	< 470. ug/kg	470.	067200000N
acenaphthylene	< 470. ug/kg	470.	065800000N
dimethyl phthalate	< 470. ug/kg	470.	068100000N
2,6-dinitrotoluene	< 470. ug/kg	470.	068400000N
acenaphthene	1,090. ug/kg	470.	119100000N
2,4-dinitrotoluene	< 470. ug/kg	470.	119300000N
fluorene	900. ug/kg	470.	068800000N
4-chlorophenyl phenyl ether	< 470. ug/kg	470.	067300000N
diethyl phthalate	< 470. ug/kg	470.	068000000N
1,2-diphenylhydrazine	< 470. ug/kg	470.	068600000N
N-nitrosodiphenylamine	< 470. ug/kg	470.	069900000N
4-bromophenyl phenyl ether	< 470. ug/kg	470.	067000000N
hexachlorobenzene	< 470. ug/kg	470.	068900000N
phenanthrene	1,640. ug/kg	470.	070000000N

1 COPY TO Woodward Clyde Consultants ATTN: James Husted

Questions? Contact Environmental
Client Services at (717) 656-2301

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Manager GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED
 2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

Sample No. **FW-1503010**
 Date Reported 11/20/90
 Date Submitted 10/31/90
 Discard Date 12/21/90
 Collected 10/29/90 by JVB
 Time Collected 0900
 P.O. 87C 2839A-6
 Rel.

Woodward Clyde Consultants-PA
 5120 Butler Pike
 Plymouth Mtg., PA 19462-1202

Philadelphia Coke ATP-1 Absorber Tank Pad
 Composite Soil Sample

	RESULT	LIMIT OF QUANTITATION	LAB CODE
	DRY WT. BASIS		
Base Neutral cont (SW846/8270)	1,010. ug/kg	470.	065900000N
anthracene	< 470. ug/kg	470.	068200000N
di-n-butyl phthalate	1,510. ug/kg	470.	068700000N
fluoranthene	1,750. ug/kg	470.	119500000N
pyrene	< 1,200. ug/kg	1,200.	066000000N
benzidine	< 470. ug/kg	470.	067100000N
butyl benzyl phthalate	700. ug/kg	470.	066100000N
benzo (a) anthracene	850. ug/kg	470.	067400000N
chrysene	< 1,200. ug/kg	1,200.	067900000N
3,3'-dichlorobenzidine	< 470. ug/kg	470.	066900000N
bis (2-ethylhexyl) phthalate	< 470. ug/kg	470.	068500000N
di-n-octyl phthalate	830. ug/kg	470.	066300000N
benzo (b) fluoranthene	< 470. ug/kg	470.	066500000N
benzo (K) fluoranthene	620. ug/kg	470.	066200000N
benzo (a) pyrene	< 470. ug/kg	470.	069300000N
indeno (1,2,3-cd) pyrene	< 470. ug/kg	470.	067500000N
dibenz (a,h) anthracene	< 470. ug/kg	470.	066400000N
benzo (ghi) perylene	< 470. ug/kg	470.	

1 COPY TO Woodward Clyde Consultants ATTN: James Husted

Questions? Contact Environmental
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Respectfully Submitted
 Lancaster Laboratories, Inc.
 Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
 Manager GC/MS

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Woodward Clyde Consultants-PA
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 11/20/90
Date Submitted 10/31/90
Discard Date 12/21/90
Collected 10/29/90 by JVH
Time Collected 0900
P.O. 87C 2839A-6
Rel.

TCLP Non-Volatile Extraction of Philadelphia Coke
ATP-1 Absorber Tank Pad Composite Soil Sample

ANALYSIS	RESULT AS RECEIVED	LIMIT OF QUANTITATION	LAB CODE
Mercury	< 0.005 mg/l	0.005	025902500
Arsenic	< 0.5 mg/l	0.5	133501400
Selenium	< 0.5 mg/l	0.5	133601400
Barium	< 2. mg/l	2.	174601400
Cadmium	< 0.05 mg/l	0.05	174901400
Chromium	< 0.5 mg/l	0.5	175101400
Lead	< 0.5 mg/l	0.5	175501400
Silver	< 0.1 mg/l	0.1	176601400

The reported results for metals were corrected for the matrix spike recovery as specified in June 29, 1990 Federal Register, p. 26993. The metal analyses were performed on a non-volatile toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in the March 29 and the June 29, 1990 Federal Registers.

A sample is considered to have failed the Toxicity Characteristic (TC) test and is therefore considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0	Cadmium 1.0	Lead 5.0	Selenium 1.0
Barium 100.0	Chromium 5.0	Mercury 0.2	Silver 5.0

The limits are published in March 29, 1990 Federal Register, pp. 11845-6.

1 COPY TO Woodward Clyde Consultants ATTN: James Husted

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458 03464 165.00 028800

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Manager GC/MS



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES**

Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428
215 832-6212

June 21, 1991

Mr. John Hancock
c/o Ohio River Company
580 Walnut Street
Cincinnati, OH

Dear Mr. Hancock:

Our on-going review of groundwater monitoring results for the Philadelphia Coke Company located in the City of Philadelphia indicates to us that your company will have to prepare a groundwater remediation and treatment plant for treating contaminated groundwater caused by past activities at the Philadelphia Coke Company resulting from hazardous waste surface impoundments.

We are specifically concerned about the appearance of dibenzofurans in well numbers 2R and 6. This would be related to dioxin.

Please submit two copies of a groundwater remediation and treatment plan to this office. This groundwater remediation and treatment plan must be approved by the Department and must be implemented as part of your final certification for closure activities regarding the hazardous waste surface impoundments at the Philadelphia Coke Company. If you have any further questions concerning this letter you may contact me at the above phone number.

Very truly yours,

LAWRENCE H. LUNSIK
Facilities Manager
Waste Management

cc: Mr. Husted
Ms. Kurtz
Mr. Hayes - DER Harrisburg
Mr. Lee - EPA Philadelphia
Re 30 (5)165.3

5120 Butler Pike
Plymouth Meeting
Pennsylvania 19462
215-825-3000
Fax 215-834-0234

Woodward-Clyde Consultants

September 16, 1991
87C2839A-8

Ms. Sarah Pantiledou, Hydrogeologist
Pennsylvania Department of
Environmental Resources
Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428

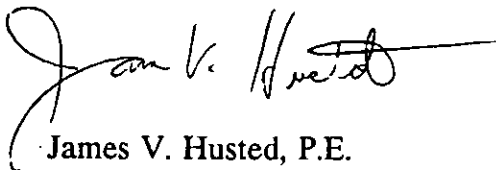
Re: Groundwater Evaluation Program at the Philadelphia Coke Company Site

Dear Ms. Pantiledou:

This letter summarizes Woodward-Clyde Consultant's (WCC's) understanding of our telephone conversation on Thursday, September 12, 1991 pertaining to the evaluation of groundwater quality analytical data at the Philadelphia Coke Company site. As we discussed, WCC will submit a plan on behalf of Philadelphia Coke Company for the Department's review. The plan will include a suggested program for evaluating groundwater quality at the Philadelphia Coke Company site and will be based upon water quality data collected since 1985 from the six RCRA wells. The plan will also recommend a program for continued groundwater monitoring at the site and will specifically address concerns about dibenzofuran raised by the Department in their June 21, 1991 letter (copy attached).

At this time we expect to submit our plan for your review by mid October. If you have any questions pertaining to this matter, please do not hesitate to contact us.

Very truly yours,



James V. Husted, P.E.
Project Manager

JVH/sal

cc: Mr. J. Hancock
Mr. J. McKenna

87C2839A-8/dcs02/gveval.ltr

9-16-91

Consulting Engineers, Geologists
and Environmental Scientists

Offices in Other Principal Cities



APPENDIX A-44

PADER Letter Dated January 16, 1992

**Woodward-Clyde
Consultants**



Engineering & sciences applied to the earth & its environment

June 9, 1992
89C2839A-6

Mr. Lawrence H. Lusk, Supervisor
Waste Management Facilities
Pennsylvania Department of Environmental Resources
Southeast Region
555 North Lane
Suite 6010 Lee Park
Conshohocken, PA 19428

Re: Confirmatory Analytical Data and Backfilling
Operations at the Philadelphia Coke Company
Absorber Tank Pad Area

Dear Mr. Lusk:

As part of the final closure and cleanup operations at the Philadelphia Coke Company site, this letter transmits analytical data pertaining to confirmatory samples that were collected after final excavation of the absorber tank pad area. This area is a portion of Sample Area XIV delineated in the Philadelphia Coke Company closure certification (WCC, September 1989). Analysis of the soil in the absorber tank pad area after the initial excavation indicated that the soil cleanup levels (set forth in the May 20, 1988 WCC letter to you) had not been achieved. Specifically, total carcinogenic polycyclic aromatic hydrocarbons (CPAHs) exceeded 50 mg/kg in the composite sample. Additional soil removal and resampling was completed in October 1990.

Figure 1 illustrates the area represented by the composite sample that was collected from the bottom of the re-excavated area. The analytical data are summarized in Table 1 and are attached as Appendix A. These data indicate that the cleanup criteria have been achieved and that the soil is nonhazardous based upon USEPA criteria for TCLP inorganics, and is non-reactive, as defined by RCRA requirements.

Based upon these analytical results, which demonstrate that the cleanup criteria have been achieved, the Department's authorization is requested to complete backfilling operations in the absorber tank pad area. This area had previously been inspected by Department representatives and has been left open since October 1990 because backfilling operations were concentrated in other areas of the site. The absorber tank pad area and its surroundings are now ready for backfill to grade. Philadelphia Coke Company intends to

89C2839A.DMH/mck/PC-D2

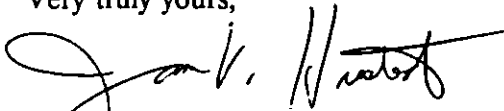
**Woodward-Clyde
Consultants**

Mr. Lawrence H. Lusk
PA Dept. of Environmental Resources
June 9, 1992
Page 2

backfill with the imported fill currently being placed on the site. This area will then be included in the revised closure certification document to be submitted later this year.

Please contact us with any questions pertaining to this matter.

Very truly yours,

A handwritten signature in black ink, appearing to read "James V. Husted". The signature is fluid and cursive, with a large initial "J" and a long horizontal stroke at the end.

James V. Husted, P.E.
Project Manager

JVH/mek

cc: Mr. J. Hancock

TABLE 1
CONFIRMATORY SOIL SAMPLE ANALYSES^a
ABSORBER TANK PAD AREA
PHILADELPHIA COKE COMPANY

	<u>Composite Soil Sample</u>	<u>Cleanup Criteria</u>
Base Neutral Extractables (mg/kg)		
Acenaphthene	1.09	500
Acenaphthylene	<0.47	500
Anthracene	1.01	500
*Benzo(a)anthracene	0.70	15
*Benzo(a)pyrene	0.62	15
*Benzo(b)fluoranthene	0.83	15
Benzo(g,h,i)perylene	<0.47	500
Benzo(k)fluoranthene	<0.47	500
*Chrysene	0.85	15
*Dibenzo(a,h)anthracene	<0.47	15
Fluoranthene	1.51	500
Fluorene	0.90	500
*Indeno(1,2,3-c,d)pyrene	<0.47	15
Naphthalene	4.79	500
Phenanthrene	1.64	500
Pyrene	1.75	500
	<u>15.69</u>	N/A
	TPAHs	
	*CPAHs	3.00
TCLP Extractable Inorganics (mg/L)		
Arsenic	<0.5	5.0
Barium	<2.0	100
Cadmium	<0.05	1.0
Chromium	<0.5	5.0
Lead	<0.5	5.0
Mercury	<0.005	0.2
Selenium	<0.5	1.0
Silver	<0.1	5.0
Reactivity (mg/kg) ^b		
Sulfide	50	500
Cyanide	<100	250
Acid Extractables (mg/kg)		
Phenol	0.73	15

^a = All results reported on a dry weight basis

^b = Detected concentrations of sulfide and cyanide are below levels considered reactive and hazardous

N/A = Not Applicable

E 11000

E 10800

E 10000

E 9000

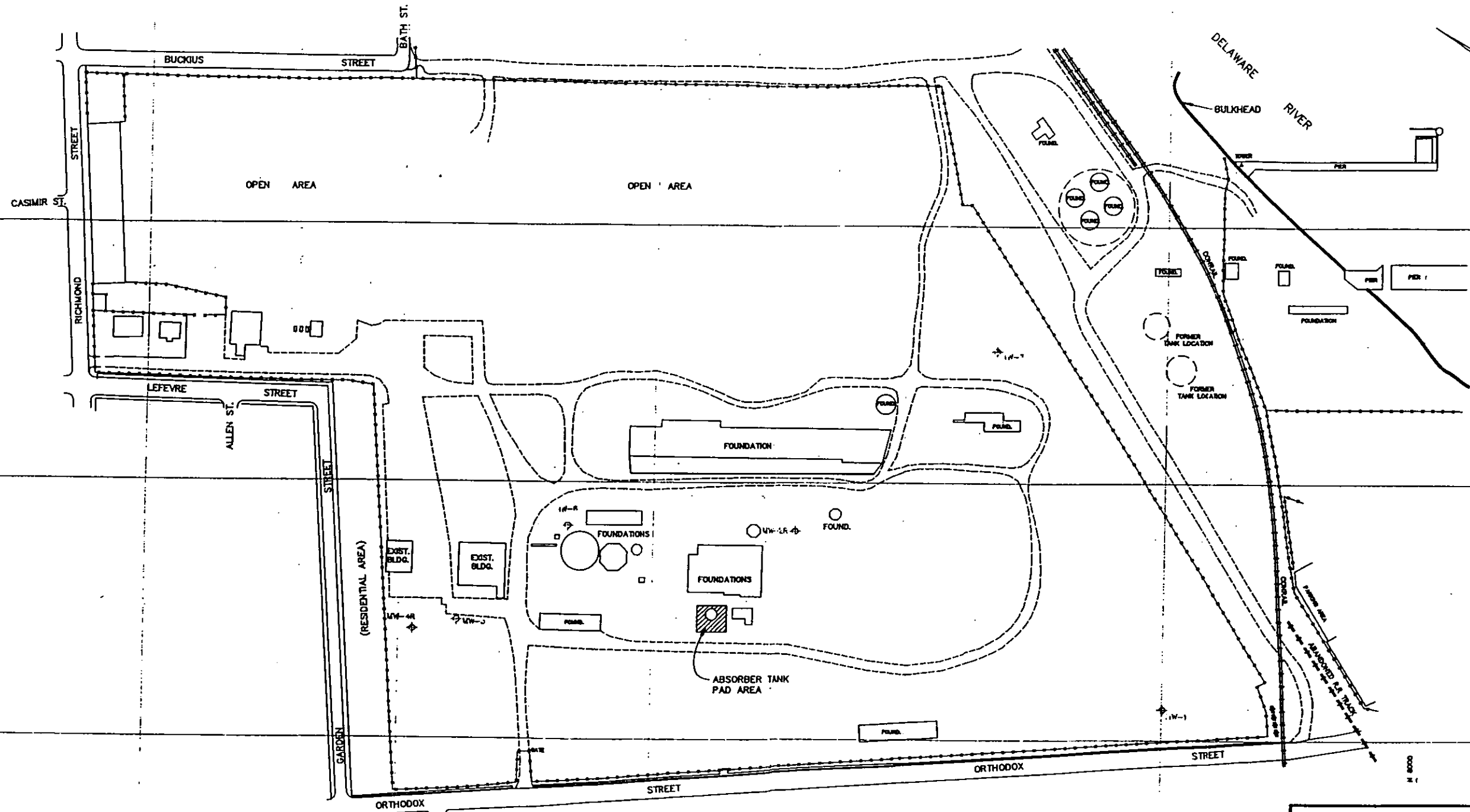
N 8000
N 1

N 10500

N 10500

N 8000

N 8000



ABSORBER TANK PAD AREA
 PHILADELPHIA COKE COMPANY
 PHILADELPHIA, PENNSYLVANIA

Woodward-Clyde Consultants
 Consulting Engineers, Geologists and Environmental Scientists

Job No. 87C283A12 Drawing No. 78380183 Date: 08/04/1982
 Drawn by TP Checked by *[Signature]*

Scale: 0 200 FEET

FIGURE 1

Rev. No.	Date	Type of Revision	Checked by

APPENDIX B
PRE-WCC CLOSURE ACTIVITY DOCUMENTS

APPENDIX B-1

Disposal Documents for Spent Iron Oxide - 1981

Please print or type with ELITE type (12 characters/inch)

GENERATOR QUARTERLY REPORT - PART A

FOR OFFICIAL USE ONLY (Items 1 and 2)	1. DATE RECEIVED	19	X. GENERATOR'S I.D. NO.
	2. RECEIVED BY		P A D 0 0 0 4 2 7 9 0 6

XI. FACILITY'S I.D. NO.	XIII. FACILITY ADDRESS (Street or PO box, city, state & zip code)
M D D 0 0 0 7 9 7 3 6 5	7890 Solley Road Glen Burnie, MD 21061

XII. FACILITY NAME (specify)	MUN.	COUNTY
Solley Road Secure Landfill Browning-Ferris Industries		

XIV. WASTE IDENTIFICATION

LINE NO.	A. DESCRIPTION OF WASTE AND MANIFEST DOCUMENT NUMBER (MDN)	B. DOT Hazard Class	C. Hazardous Waste Number	D. Amount of Waste	E. Unit of Measure	F. PA Hazardous Waste Transporter (HWT) License No.
1	Poisonous Solid N.O.S. (Spent Iron Oxide) MDN- MD A 68553	1 5	K 0 8 7 U 1 6 5 P 0 3 0	2 2 . 0 0	T	
2	Poisonous Solid N.O.S. (Spent Iron Oxide) MDN- MD A 68554	1 5	K 0 8 7 U 1 6 5 P 0 3 0	2 3 . 0 8	T	
3	Poisonous Solid N.O.S. (Spent Iron Oxide) MDN- MD A 68557	1 5	K 0 8 7 U 1 6 5 P 0 3 0	2 1 . 6 0	T	
4	Poisonous Solid N.O.S. (Spent Iron Oxide) MDN- MD A 68558	1 5	K 0 8 7 U 1 6 5 P 0 3 0	1 9 . 9 0	T	
5	Poisonous Solid N.O.S. (Spent Iron Oxide) MDN- MD A 68559	1 5	K 0 8 7 U 1 6 5 P 0 3 0	2 1 . 1 0	T	
6	Poisonous Solid N.O.S. (Spent Iron Oxide) MDN- MD A 68560	1 5	K 0 8 7 U 1 6 5 P 0 3 0	2 1 . 8 6	T	
7	Poisonous Solid N.O.S. (Spent Iron Oxide) MDN- MD A 68561	1 5	K 0 8 7 U 1 6 5 P 0 3 0	2 1 . 2 0	T	
8	MDN-					
9	MDN-					
10	MDN-					

XV. COMMENTS (enter information by line number-see instructions.)

XIV 1-7 incl. The waste is iron oxide on wood shavings. The spent oxide contains free sulfur and small amounts of cyanides and naphthalene. It was contaminated with decanter tank tar sludge.

GENERATOR QUARTERLY REPORT - PART A

FOR OFFICIAL USE ONLY (Items 1 and 2)	1. DATE RECEIVED	-	-	1	9	X. GENERATOR'S I.D. NO.
	2. RECEIVED BY	P A D 0 0 0 4 2 7 9 0 6				
XI. FACILITY'S I.D. NO.			XIII. FACILITY ADDRESS (Street or PO box, city, state & zip code)			
M D D 0 0 0 7 9 7 3 6 5			7890 Solley Road Glen Burnie, MD 21061			
XII. FACILITY NAME (specify)			MUN.		COUNTY:	
Solley Road Secure Landfill Browning-Ferris Industries						

LINE NO.	A. DESCRIPTION OF WASTE AND MANIFEST DOCUMENT NUMBER (MDN)	B. DOT Hazard Class	C. Hazardous Waste Number	D. Amount of Waste	E. Unit of Measure	F. PA Hazardous Waste Transporter (HWT) License No.
1	Poisonous Solid N.O.S. (Spent Iron Oxide)	1 5	K 0 8 7	2 2 . 1 7	T	
	MDN- MD A 63342		U 1 6 5			
2	Poisonous Solid N.O.S. (Spent Iron Oxide)	1 5	K 0 8 7	2 2 . 1 3	T	
	MDN- MD A 63343		U 1 6 5			
3	Poisonous Solid N.O.S. (Spent Iron Oxide)	1 5	K 0 8 7	2 1 . 9 7	T	
	MDN- MD A 63344		U 1 6 5			
4	Poisonous Solid N.O.S. (Spent Iron Oxide)	1 5	K 0 8 7	2 0 . 0 3	T	
	MDN- MD A 63345		U 1 6 5			
5	Poisonous Solid N.O.S. (Spent Iron Oxide)	1 5	K 0 8 7	2 2 . 1 0	T	
	MDN- MD A 63348		U 1 6 5			
6	Poisonous Solid N.O.S. (Spent Iron Oxide)	1 5	K 0 8 7	1 5 . 9 0	T	
	MDN- M D A 63349		U 1 6 5			
7	Poisonous Solid N.O.S. (Spent Iron Oxide)	1 5	K 0 8 7	2 0 . 7 3	T	
	MDN- MD A 68526		U 1 6 5			
8	Poisonous Solid N.O.S. (Spent Iron Oxide)	1 5	K 0 8 7	2 1 . 1 6	T	
	MDN- MD A 68527		U 1 6 5			
9	Poisonous Solid N.O.S. (Spent Iron Oxide)	1 5	K 0 8 7	2 2 . 0 0	T	
	MDN- MD A 68528		U 1 6 5			
10	Poisonous Solid N.O.S. (Spent Iron Oxide)	1 5	K 0 8 7	2 1 . 5 1	T	
	MDN- MD A 68529		U 1 6 5			
			P 0 3 0			

XV. COMMENTS (enter information by line number-see instructions.)

XIV 1-10 inc. The waste is iron oxide on wood shavings. The spent oxide contains free sulfur and small amounts of cyanides and naphthalene. It was contaminated with decanter tank tar sludge.

APPENDIX B-2

**Disposal Documents for Decanter Tar-
Spent Iron Oxide Mix**

Mr. Gary Bonner
December 28, 1982
Page Two

- - - We will continue to keep you advised as the work progresses.

Sincerely,

James L. Hogeboom
Vice President - Operations

JLH/ns

Philadelphia Coke

Philadelphia Coke Co., Inc.
4501 Richmond Street
Philadelphia, Pennsylvania 19137
(215) 743-3100

December 28, 1982

Mr. Gary Bonner
Department of Environmental Resources
1875 New Hope Street
Norristown, PA 19401

Dear Mr. Bonner:

The hazardous wastes about which we wrote to you on October 22, 1982, have been removed. The tar decanters and various other production equipment have been removed and scrapped and the open pits filled. We are now in the process of taking down the by-products building preparatory to final clean-up of the plant area.

During this phase of the work, 3,278.57 tons of waste were shipped to BFI's Solly Road landfill at a cost of over \$360,000, not including costs related to final clean-up and the demolition work.

In addition, tar wastes located in an adjacent area have been removed. This phase, completed on November 17, involved 980.11 tons shipped to BFI at a cost of \$102,686, including filling.

These areas were gone over carefully and work areas cleaned up. A final 222.72 tons of material were shipped to BFI during the first three days of December. This brings the total amount of material shipped to 4,481.40 tons. The total cost for this work to date exceeds \$525,000.

Two meetings have been held with representatives from Roy F. Weston Company. At present we anticipate installing between 10 and 12 test wells at the site, and are waiting for a final proposal from the consultant before having them begin the work.



Philadelphia Coke Co., Inc.
4501 Richmond Street
Philadelphia, Pennsylvania 19137
(215) 743-3100

November 1, 1982

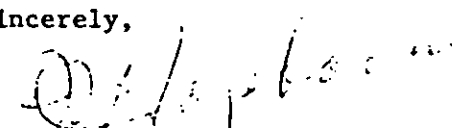
Ms. Shirley Bulkin
RCRA Permit & Pesticide Section
U. S. Environmental Protection Agency
6th and Walnut Streets
Philadelphia, PA 19106

Dear Ms. Bulkin:

Enclosed find a copy of a recent letter detailing our closure and post-closure plans for Philadelphia Coke Co., Inc. (PAD #000427906). This copy is being sent to you at the suggestion of Mr. Victor Janosik of the Pennsylvania DER in Norristown.

If you have questions, please let me know.

Sincerely,


James L. Hogeboom
Vice President, Operations

JLH:vp

Enc.

Gary Bonner

- 2 -

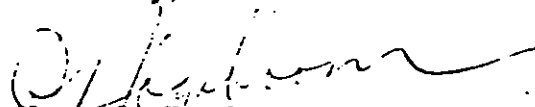
October 22, 1982

To ensure that the hazardous waste removal has been successfully completed, we have been working with Roy F. Weston Co., consultants, to review our situation and provide a ground water monitoring plan which will be submitted to the Department of Environmental Resources for approval. After receiving approval, the plan will be promptly implemented.

Records of the work performed, copies of the hazardous waste manifests and any other records relating to the removal of hazardous materials will be stored here until the final closing of the property and will then be transferred to the parent company, Eastern Gas and Fuel Associates, Boston, Massachusetts.

We will continue to keep you advised of our status.

Sincerely,


James L. Hogeboom
Vice President, Operations

JLH:vp

Enc.



Philadelphia Coke Co., Inc
4501 Richmond Street
Philadelphia, Pennsylvania 19137
(215) 743-3100

October 22, 1982

Mr. Gary Bonner
Department of Environmental Resources
1875 New Hope Street
Norristown, PA 19401

Dear Mr. Bonner:

Philadelphia Coke Co., Inc. (PAD 000427906) located at 4501 Richmond Street, Philadelphia, PA 19137, has terminated manufacturing operations and is in the process of closing its facility located at the above address. Coke production ceased at 9 a.m. on May 12, 1982.

In its foundry coke manufacturing process the company converted low sulfur metallurgical coal to coke and recovered various by-products. During the operation of the facility the company accumulated approximately 1,800 cubic yards of tar decanter waste and 2,766 cubic yards of spent iron oxide. The tar decanter has been impounded in three open pits, two of which are concrete lined, and one having an earthen bottom. One-third of the spent iron oxide has been removed and stored on an asphalt pad. The remaining two-thirds has remained in the oxide boxes. Both of these materials are considered to be hazardous wastes.

The company has contracted with Clean Venture, Inc. to dispose of these hazardous wastes. Clean Venture is currently in the process of removing these materials from the facility. The spent iron oxide and tar decanter waste are being mixed in a ratio of approximately 3:1 to make a manageable material that is stable. The mixed material will be transported by Tajon, Inc. and BFI to the Browning-Ferris secure landfill located at 7890 Solley Road, Glen Burnie, MD. Attached are a copy of the laboratory analysis of the mixed material, a copy of the BFI data sheet, and a copy of the letter of approval from the State of Maryland permitting the disposal of these materials at the BFI facility.

When the hazardous wastes have been completely removed and the oxide boxes and tar decanters have been satisfactorily cleaned the open pits will be partially filled with clean rubble and covered with clean fill dirt.

latory requirements and provide for the control and clean up of the discharge so that any hazard to human health or the environment can be expeditiously eliminated. In the event of a "hazardous waste discharge" of Customer's Waste Material occurring on Customer property, Customer shall invoke its own emergency plan to control and clean up the discharge. Regardless of where a "hazardous waste discharge" occurs, both parties shall cooperate fully to the extent practicable, in expeditiously and prudently abating or eliminating any hazard. Provided, however, nothing contained in this paragraph shall alter Customer's responsibilities and obligations under Article XV.

ARTICLE XXI — NOTICES. Notices of conditions or situations affecting the collection and disposal of Waste Material shall be given in writing between designated operating personnel of the Customer and BFI. All other notices shall be given in writing to the parties at their respective addresses shown above.

With respect to any claim for indemnification, the party claiming a right to indemnity shall (i) give written notice thereof within a reasonable period following the event or occurrence as to which the right to indemnification is or may be asserted and (ii) allow the other party (including its employees, agents and counsel) reasonable access to any of its employees, property and records for the purpose of conducting an investigation of such claim and for the purpose of obtaining statements, photographs, and chemical analysis and taking such other steps as may be necessary to preserve evidence of the occurrence on which the claim is based. If the party claiming a right to indemnity denies the other party reasonable access as set forth above, the party claiming a right to indemnity shall

and shall not be entitled to indemnity.

ARTICLE XXII — TERM. Except as otherwise provided herein, the initial term of this Agreement shall be for a period of _____ year(s) from the date hereof and shall continue thereafter until terminated as hereinafter provided. BFI and the Customer shall have the right to terminate this Agreement after the initial _____ year term at any time without cause upon thirty (30) days written notice to the other or upon written notice for such lesser period as they shall agree upon. It is provided, however, that no termination of this Agreement shall have any effect upon BFI's right to receive payment under this Agreement for services rendered prior to the effective date of such termination.

The provisions of Articles II, III, XV, and XVI shall survive the termination of this Agreement without regard to the reason for termination. Such termination shall not alter or affect the continuing rights and obligations created by those Articles.

ARTICLE XXIII — AMENDMENT. This Agreement may be amended from time to time only by an instrument in writing signed by the parties to this Agreement at the time of such amendment.

ARTICLE XXIV — ENTIRE AGREEMENT. This Agreement constitutes the entire understanding between the parties hereto, and cancels and supersedes all prior negotiations, representations, understandings and agreements, either written or oral, with respect to the subject matter hereof. No changes, alterations or modifications to this Agreement will be effective unless in writing and signed by the parties hereto.

Executed as of the day and year first above written.

By J. van der Bilt
Title: VICE-PRESIDENT
BFI

By D. Johnson 9/5/82
Title: _____
CUSTOMER



Clean Venture, Inc.

1160 State Street, P.O. Box 936, Perth Amboy, N. J. 08862
(201) 442-4900 • (201) 225-4130

August 23, 1982

Mr. James Stroin
Sales Manager
BROWNING-FERRIS, INC.
Administrative Office
714 Division St.
PO Box 950
Elizabeth, NJ 07207

Dear Jim:

Please be advised that we are in receipt of your letter of August 2, 1982 indicating there will be an increase of \$10.00 per ton at your Soley Road landfill disposal facility in Baltimore, Maryland. The price will increase on September 2, 1982 from \$55.00 per ton to \$65.00 per ton.

Thank you for advising us of this change.

Very truly yours,

CLEAN VENTURE INC.

Gary E. Wagner
Gary E. Wagner
Vice President

GEW:mb

Certificate of Laboratory Analysis

Martel Laboratory Services, Inc.

1025 Cromwell Bridge Road

Baltimore, Maryland 21204

(301) 825-1100

Invoice Number 6739

Page 1 of 1


Sample S-344 PO #J2550

Philadelphia Coke Co., Inc.
4501 Richmond St.
Philadelphia, Pa. 19137

September 2, 1982

Attn: James L. Hogeboom, Vice President - Operations

Total Organic Halogens (as Cl)	0.29%
Phenols	470 ppm
Naphthalene	5.6%
Lindane	<0.01 ppm
Methoxychlor	<0.01 ppm
Endrin	<0.01 ppm
Toxaphene	<0.1 ppm
PCB's	<0.1 ppm
Reactivity	Negative
Corrosivity	
pH	7.7
Ignitability	
Flash Point	285°F
E P Toxicity	
Arsenic	<0.05 mg/l
Barium	<0.1 mg/l
Cadmium	<0.01 mg/l
Chromium	<0.02 mg/l
Lead	<0.02 mg/l
Mercury	<0.01 mg/l
Selenium	<0.01 mg/l
Silver	<0.02 mg/l
2, 4,-D	<0.1 mg/l
2, 4, 5-TP (Silvex)	<0.1 mg/l
Lindane	<0.01 mg/l
Methoxychlor	<0.01 mg/l
Toxaphene	<0.01 mg/l
Endrin	<0.01 mg/l


Robert G. Edwards, Ph.
Vice President

ppm

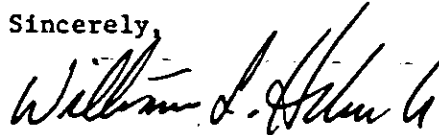
Darrell E. Taylor

- 2 -

August 27, 1982

Would you please take up this matter with the Maryland Department of Environmental Resources and advise us as to how we may properly manifest this material.

Sincerely,



William L. Helm, Jr.

WLH:vp

Enc.



Philadelphia Coke

Philadelphia Coke Co., Inc.
4501 Richmond Street
Philadelphia, Pennsylvania 19137
(215) 743-3100

William L. Helm, Jr.
President

August 27, 1982

Mr. Darrell E. Taylor
Administrative Assistant
Regional Sales Manager
BFI Waste Systems
Browning-Ferris Industries
P. O. Box 8733
BWI Airport, MD 21240

Dear Mr. Taylor:

We have entered into a contract with Clean Venture, Inc. to deliver to your landfill site approximately 4,500 cubic yards of material, more particularly described on the attached copy of BFI's WCD. As indicated, the material consists of a mixture of decanter tar and spent iron oxide. This material is being disposed of by us on a one-time basis as a result of our plant demolition.

We believe this material can not be properly manifested using the K-087 (pure decanter tar) code. The delivered waste does not come directly from a process source and therefore differs from the "K" code category. This mixture as described above will result from combining approximately 1,700 cubic yards of decanter tar with approximately 2,800 cubic yards of spent oxide.

This mixing consists of draining a small amount of decanter tar waste from the tar decanters to an open pit. Spent iron oxide catalyst is removed from the iron oxide boxes using a front end loader. This spent iron oxide catalyst is added to the decanter tar waste in incremental amounts while mixing with a drag bucket crane until the resulting material reaches a solid state. This mixture consists of one part decanter tar waste and two to three parts of spent iron oxide catalyst. The mixture is then stockpiled to further drain off any moisture.

We have reviewed other codes and note that no "U" code applies because this is not a raw product, is not an off-spec material, is not a spill of a raw product nor an intermediate product. Moreover, the material is not corrosive, is not ignitable, is not reactive and does not contain any metals in excess of EP toxicity concentrations. We prefer, in any event, to handle the material as a hazardous waste in view of its make-up.

SOLLEY ROAD SECURE LANDFILL
WASTE CHARACTERIZATION DATA SHEET
ADDENDUM

Generator Name Philadelphia Coke Co., Inc.

Generator EPA ID No. PAD000427906

Generator Address 4501 Richmond Street, Philadelphia, PA 19137

General Description of Waste three parts spent iron oxide catalyst mixed with one part decanter tar waste

Does the waste material exceed the E.P. Toxicity concentration for endrin, lindane, methoxychlor or toxaphene, or 50 ppm PCB's?

<u>Constituent</u>	<u>Allowable Concentration (ppm)</u>	<u>Waste Exceed?</u>	<u>Approximate Waste Concentration (ppm)</u>
Endrin	0.02	<u> </u> yes <u>X</u> no	<u>< 0.02</u>
Lindane	0.4	<u> </u> yes <u>X</u> no	<u>< 0.4</u>
Methoxychlor	10.0	<u> </u> yes <u>X</u> no	<u>< 10.0</u>
Toxaphene	0.5	<u> </u> yes <u>X</u> no	<u>< 0.5</u>
Polychlorinated Biphenyls (PCB's)	50.0	<u> </u> yes <u>X</u> no	<u>< 50.0</u>

Signature of Preparer *Gary J. Hoadley* Gary J. Hoadley Date 8/27/82

Title Production Superintendent



Philadelphia Coke

Philadelphia Coke Co., Inc.
4501 Richmond Street
Philadelphia, Pennsylvania 19137
(215) 743-3100

August 26, 1982

Mr. Darrell E. Taylor
Administrative Assistant
Regional Sales Manager
BFI Waste Systems
Browning-Ferris Industriels
P. O. Box 8733
BWI Airport, MD 21240

Dear Mr. Taylor:

With reference to our material to be disposed of by Clean Venture at your site, the material consists of tar decanter waste and spent iron oxide. It does not contain lindane, indrine, methoxychlor, toxaphene or PCBs.

Sincerely,

James L. Hogeboom
Vice President, Operations

JLH:vp

BFI Waste Code No. PA/389/090922/19113

EPA Generator Id. No. PAD000427906

WASTE CHARACTERIZATION DATA

General Directions: In order for us to determine whether we can lawfully and safely transport, treat, and dispose of your waste material, we must obtain certain information about the chemical and physical properties of the waste and its chemical composition. Please be complete in your answers; if your response is "none" or "not available", so indicate. Answers must be printed in ink or typewritten and the completed form must be signed. Please make a copy of this form for your records.

- (1) Generator Name: Philadelphia Coke Co Inc and Clean Venture INC Date 9/8/82
- (2) Generating Facility Complete Address AS ITS AUTHORIZED AGENT
4501 RICHMOND AVE Phila Pa
- (3) Authorized Company Representative: James Hogeboom Title: U.P. OPERATIONS
- (4) Phone Number: (215) 7433100
- (5) Emergency Contact GARY WAGNER Title VP CLEAN VENTURE Phone Number: (215) 7433100
- (6) General Description of The Waste: Decanter TAR + Spent IRON OXIDE
- (7) Process Generating Waste: Plant Demolition & site clean-up (Coke operation)
- (8) Anticipated volume 4700 | Gallons | Tons | | Cubic Yards | | Drums, or | | Other
Per: | | Day | | Week | | Month | | Year, or | | Other ONE TIME

- (9) Waste Properties:
 - (a.) Vapor pressure (in mm of Hg @ 25°C) NA
 - (b.) Flash Point > 140 | °F | | °C | | Closed Cup | | Open Cup
 - (c.) Phases/Layers: Single | | Bilayered | | Multilayer
 - (d.) Physical State @ 20 °C: Solid | | Liquid | | Semi-Solid | | Powder | | Other
 - (e.) Solubility (g/100g H₂O) @ 20 °C: NA
 - (f.) pH 7.7
 - (g.) Density: 2.75 | lb./ft.³ | | lb./gal | | Other
 - (h.) Odor: | | Strong Mild | | None
 - (j.) Reactivity:
 - Hydrophoric | | Yes No Autopolymerizable | | Yes No Shock Sensitive | | Yes No
 - Pyrophoric | | Yes No Thermally Sensitive | | Yes No Explosive | | Yes No

- (10.) Complete waste composition (with ranges - indicate % or ppm.) Attach Additional Pages if Necessary

ORGANIC	INORGANIC
<u>75% Decanter TAR</u>	<u>25% SPENT IRON OXIDE</u>

(the above is in a mixed state, SEE ATTACHED ANALYSIS FOR PROPER CAP ANALYSIS)

- (11.) Sample Included | No
- (12.) Manifest Information

Proper USDOT Shipping Name	USDOT Hazard Class	UN or NA No.	USEPA Haz. Code	USEPA Haz. Waste No. (Type)
<u>HAZARDOUS WASTE, Solid, NOS</u>	<u>ORM-E</u>	<u>NA 9189</u>	<u>T</u>	<u>K087</u>

- (13.) Does this waste contain biological materials, pathogens or etiological agents? No If yes, please specify.
- (14.) Have you obtained toxicity studies of this waste material? YES If so, please attach a copy of the results.
- (15.) Required personnel protective equipment & procedures. Avoid prolonged contact with skin

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory
J. Hogeboom Title V.P. OPERATIONS Date September 8, 1982

Confidentiality Agreement: As consideration for the Generator's release of the above information and any other supplemental data, the undersigned agrees to treat such information as confidential property and will not disclose such information to others except as is required by law, and in such circumstances only after first giving notice to the Generator.

By Daveill Taylor Name BFI Representative Title Admin Assist Reg. Sales Mgr



Browning-Ferris Industries
CHEMICAL SERVICES, INC.

LABORATORY SERVICE REQUEST

DATE <i>9/8/82</i>	INITIATOR <i>BUTCH TAYLOR</i>	LOCATION <i>BALTIMORE Md</i>
REQUEST No. <i>19113</i>	CUSTOMER <i>Phila. Coke and CLEAN VENTURE Agent</i>	LOCATION <i>Phila. Pa</i>
TECHNICAL CONTACT <i>CARY WAGNER</i>	PHONE NUMBER <i>(215) 743-3100</i>	
ACTION REQUESTED: <i>Approval For disposal at Salley Road</i>		

WASTE DISPOSAL

TYPE OF MATERIAL SUBMITTED <i>Decanter TAP + spent Iron oxide</i>	VOLUME AND FREQUENCY <i>4700 T / one time</i>
PHYSICAL STATE <i>Solid</i>	PROCESS INVOLVED <i>plant demolition</i>
GENERAL CHEMICAL ANALYSIS <i>SEE attached chemical analysis.</i>	
<i>Mixture 3:1 Decanter TAP to Iron oxide</i>	

TOXICITY DATA	STABILITY DATA
PRESENT METHOD OF DISPOSAL	COST OF DISPOSAL
REGULATORY AGENCY INVOLVED <i>STATE OF Md</i>	AGENCY REPRESENTATIVE <i>MR Tom Battle</i>

CHEMICAL CLEANING

EQUIPMENT TO BE CLEANED	METALLURGY	VOLUME
DESCRIPTION OF PROBLEM		

PROPOSED METHOD OF CLEANING	BULK-CHEM COMPETITIVE PRODUCT EVALUATION
Circulation	Product Name
Fill and Soak	Manufacturer
Cascade	Cost per lb. or gal.
Vat Soak	How is Product Used
Spray	
On Stream	Volume Usage
Hydroblast	Other Information
Other (Explain)	Laboratory Recommendation
Is Heat Available?	

LABORATORY RECOMMENDATION

DATE: _____ SIGNED: _____

Exhibit to Contract Agreement
Between
Philadelphia Coke Company, Inc. and Clean Venture, Inc.,
As it's Authorized Agent.

And
Browning-Ferris, Inc.

Exhibit A (Article I) Waste Material:

Waste Material

Waste I: Plant demolition Decanter Tar and Spent Iron Oxide.
(see attached WCD)
BFI Waste Code Number - PA/388/090882/19113

Waste Material Generated At: 4501 Richmond Avenue, Phila., Pa.

Exhibit B (Article IV) Services and Equipment:

"Customer shall provide all necessary information respecting the waste material described in Exhibit A to permit it's proper disposal in a secure landfill located at 7890 Solley Road, Glen Burnie, Maryland 21061, Telephone - (301) 437-4720."

Exhibit C (Article VI) Collection and Transportation:

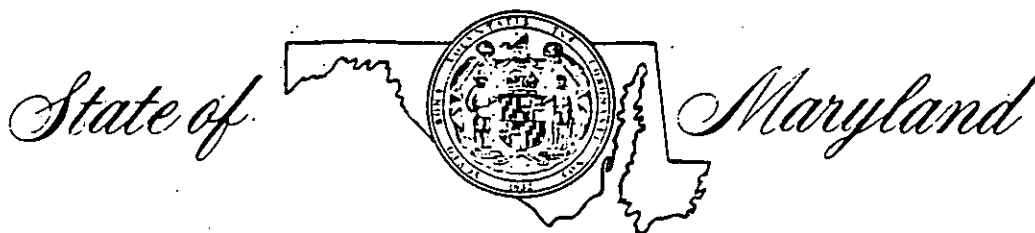
The generator shall arrange for the collection, transportation, and disposition of the waste material set forth in Exhibit A. Solley Road Landfill must be given 24 hours prior notice to delivery of the waste material for any further instructions from the Site Chemist.

Exhibit D (Article VII) Collection, Transportation, and Disposal Rates:

Charges incurred in the course of collection, transportation and disposition of the waste stated Exhibit A will be invoiced to the generator by Clean Venture, Inc., located at 1160 State Street, Perth Amboy, New Jersey within the terms and conditions agreed upon by Clean Venture, Inc. and the Philadelphia Coke Company (the generator) located at 4501 Richmond Avenue, Phila., Pa.

BFI for services rendered will invoice Clean Venture, Inc. for the amount agreed upon at a per ton and/or pull basis for the waste described in Exhibit A and that amount shall be referenced in a quotation letter signed and dated by both BFI, Inc. and Clean Venture, Inc.

The generator, Philadelphia Coke Company, will be held responsible by BFI, Inc. for any default in payment as it pertains to the service rendered by BFI relative to the disposition and/or transportation of the waste described in Exhibit A.



OFFICE OF ENVIRONMENTAL PROGRAMS

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

201 WEST PRESTON STREET • BALTIMORE, MARYLAND 21201 • Area Code 301 • 383-5734

Harry Hughes, Governor

Charles R. Buck, Jr., Sc.D., Secretary

September 14, 1982

Mr. Darrell E. Taylor
Administrative Assistant
Regional Sales Manager
Browning-Ferris Industries
P. O. Box 8733
BWI Airport, Maryland 21240

Dear Mr. Taylor:

A review has been made of your request seeking authorization to dispose at the Solley Road Landfill a mixture of decanter tar and spent iron oxide. As previously stated, although this material is not pure decanter tar waste, it meets the provisions of COMAR 10.51.02.03 (2)(b) and therefore the mixture is a hazardous waste. It has also been determined that this waste does not contain constituents which would preclude its disposal at the Solley Road Landfill. Therefore, provided this waste does not contain free or "free standing" liquids and does not exhibit the characteristics of ignitability or reactivity as specified in COMAR 10.51.02.10 and .12, it may be placed in the Solley Road Landfill.

If you have any questions concerning the above matter, please contact Mr. Thomas Battle of my staff at the above number.

Sincerely yours,


Fredric L. Sachs, Chief
Hazardous Waste Division

FLS:TB:gr

cc: Mr. Ronald Nelson
Mr. Thomas Battle

assignment by BFI to an affiliate or subsidiary of BFI.

ARTICLE XII — SAVINGS CLAUSE. In case any one or more of the provisions contained in this Agreement shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions of this Agreement; this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

ARTICLE XIII — INSURANCE. BFI and Customer agree to furnish the other, upon request, certificates attesting to the existence of Workmen's Compensation insurance providing statutory benefits and comprehensive automobile and general liability insurance with policy limits of not less than \$1,000,000 each person, \$5,000,000 each occurrence for bodily injury, and \$1,000,000 each occurrence for property damage liability. Each such certificate shall contain a statement of the insurer's obligation to notify the party to whom the certificate is addressed at least ten (10) days prior to cancellation of any policy covered thereunder. To the extent permitted by law, BFI or Customer may provide for all or part of the required insurance coverage under a plan of self insurance.

ARTICLE XIV — PAYMENT. The Customer agrees to make payment within thirty (30) days after receipt of BFI's statement at the office of BFI specified on such invoice.

ARTICLE XV — CUSTOMER INDEMNITY. Customer hereby agrees to indemnify and hold BFI harmless from and against any and all loss, damage, suits, liability and expenses (including, but not limited to, reasonable investigation and legal expenses) arising out of any claim for loss of or damage to property, including BFI's property, and injuries to or death of persons, including BFI's employees caused by, resulting from, growing out of, or incidental to the Customer's negligence or willful misconduct or caused by or resulting from Customer's delivery to BFI of Non-conforming Waste and shall, at the option of BFI, defend BFI at the Customer's sole expense in any litigation involving the same.

ARTICLE XVI — LIMITATION OF DAMAGES. Notwithstanding the provisions of Article II and Article XV, neither Customer nor BFI shall be liable for any special or consequential damages in connection with its performance or non-performance under this Agreement.

ARTICLE XVII — JOINT LIABILITY AND SUBROGATION. Where BFI and Customer are both entitled to indemnity but Customer has breached this Agreement by delivering Non-conforming Waste to BFI, BFI and Customer agree, by way of apportionment of the respective responsibilities, that the amount of indemnity payable by Customer shall be equal to that amount of damages which would not have arisen but for such breach by Customer. Nothing herein shall be interpreted or deemed to limit, in any way, any right or action which may be asserted by any party against publicly or privately created funds established for the purpose of satisfying, wholly or in part, claims asserted by persons referenced herein.

In the event that any third party, inclusive of any governmental agency, asserts any claim, demand or cause of action arising out of the performance of this Agreement, BFI and Customer agree to maintain, for their joint and mutual benefit, any rights that either may have resulting from either (i) an action against or (ii) a hold harmless or indemnification agreement with, any transporter or disposal site operator.

ARTICLE XVIII — HEALTH, SAFETY AND FIRST AID. Customer places and requires BFI to place the highest importance and priority on health and safety for all services performed by BFI at any Customer facility. At all Customer facilities, BFI shall comply with all applicable fire, safety and health laws and regulations as well as any safety and health requirements of Customer at such facility as to which printed copies have been delivered by Customer to BFI's supervisory or management personnel contemporaneously with entry into this Agreement. BFI shall ensure that all of their employees are made aware of all safety, fire and health requirements and regulations applicable to the work to be performed pursuant to this Agreement. Customer shall furnish BFI with copies of all safety and health requirements of Customer which relate particularly to the services BFI has been requested to perform, and to the general safety of any particular Customer facility and shall hold such safety briefings, at Customer's expense, as Customer deems necessary prior to commencement of any work under this Agreement.

BFI shall not permit to exist a hazardous, unsafe, unhealthy or environmentally unsound condition or activity over which it has control at a Customer facility. In the event BFI becomes aware of any such condition or activity, it shall promptly notify Customer and immediately take whatever steps are necessary to eliminate, terminate, abate or rectify such condition. If Customer becomes aware of such condition or activity before it is known to BFI, it shall notify BFI and request BFI's prompt corrective action. Customer shall take prompt corrective action with respect to any hazardous, unsafe, unhealthy or environmentally unsound condition or activity resulting from its activities or operations. Each party shall cooperate with the other to eliminate, terminate, abate and rectify any such condition.

SWDA

January 1982

and related services available to the employees of BFI to the same extent that such emergency first aid and related services would be available to an employee of Customer located at the same facility. Nothing contained herein shall be construed as imposing any duty upon Customer to provide emergency first aid treatment or related services to BFI's employees where such emergency first aid treatment or related services are not already available to an employee of Customer at a Customer facility.

ARTICLE XIX — COMPLIANCE WITH LAW AND RECORD KEEPING. In the performance of all services to be provided hereunder BFI and Customer agree to comply with all applicable federal, state and local laws and ordinances and all lawful orders, rules and regulations of any constituted authority, including but not limited to, social security and income tax withholding laws, unemployment compensation laws, environment, safety and health laws and the Fair Labor Standard Act of 1938.

BFI and Customer agree to comply with all applicable requirements of the federal Solid Waste Disposal Act, as amended ("SWDA"), the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), and regulations promulgated pursuant to the SWDA and CERCLA that may pertain to the generation, collection, transportation handling, storage or disposal of any of Customer's Waste Material. Any BFI facility handling Customer's Waste Material shall obtain EPA Identification Numbers as required and shall inform Customer of said Identification Numbers so that they may be used on manifests prepared by Customer and/or BFI for the transportation and disposal of Waste Material. BFI shall develop adequate procedures for the processing of such manifests and the return transmittal of the manifest copies to Customer. Similarly Customer shall comply with all regulations under the SWDA applicable to generators of Waste Material and shall obtain generator EPA Identification Numbers where required.

In the event Waste Material is packaged by Customer in drums or other containers prior to delivery to BFI, Customer warrants that such Waste Material shall be prepared for shipment and packaged in containers specified by the then current and applicable regulations of the United States Department of Transportation, Environmental Protection Agency and/or such successor or related federal, state or municipal agencies, as the case may be, and shall be marked in accordance with applicable regulations.

BFI and Customer shall keep adequate books, records and other documentation consistent with applicable regulatory requirements and in accordance with generally accepted accounting practices, pertaining to performance of the services required by this Agreement, including personnel records, correspondence, instructions, plans, receipts, vouchers, and other memoranda. In this regard, BFI and Customer shall retain copies of all manifests and any other records or reports required under applicable laws and regulations.

BFI agrees to permit at all reasonable times, duly authorized representatives of Customer to inspect and have access to the books, records and documentation referenced herein which directly relate to the performance of this Agreement for the purpose of auditing and verifying the performance of services performed pursuant to this Agreement, the charges for such services, and the maintenance of records related to such services. Such access by Customer's representatives shall include the right to discuss such documentation with BFI's personnel having knowledge of their contents and the right to copy such documentation. BFI and Customer shall preserve all documentation pertaining to the services required by this Agreement for a period of three (3) years following completion of the services rendered by BFI to Customer to which the documentation pertains or for any greater period of time required by law.

ARTICLE XX — CONTINGENCY AND EMERGENCY. In the event BFI is unable to deliver Waste Material to or receive Waste Material at the facility designated in the Customer and/or BFI manifest attributable to a particular shipment of Waste Material, BFI shall immediately inform Customer and shall await further instructions from Customer regarding the handling or transporting of said Waste Material.

In the event of a "hazardous waste discharge" (as that phrase is defined in 40 CFR Part 260, Subpart A, §260.10(a)(13)), or in the event of a "release" of a "hazardous substance" in "reportable quantities" as those terms are defined in CERCLA and any regulations promulgated pursuant thereto, occurring off Customer property, BFI shall immediately notify Customer and shall take immediate action as is required under 40 CFR Part 263, Subpart C (§263.30 and 263.31), and 40 CFR Parts 264 and 265, Subparts D (Sections 264.56 and 265.56) including the notification of the proper federal, state and local authorities. If the "hazardous waste discharge" involves Non-conforming Waste, BFI's responsibility to Customer shall be limited to using its best efforts, under the circumstances then presented, to attempt to implement appropriate emergency and remedial actions. BFI shall develop, prepare and be capable of implementing emergency plans in the event of a "hazardous waste discharge"



**BROWNING-FERRIS INDUSTRIES
SPECIAL WASTE DISPOSAL AGREEMENT**

This Agreement entered into as of this 8 day of September
19 82 by and between (name of BFI subsidiary) _____
Browning-Ferris, Inc.

_____ a Maryland
corporation with an office at 7890 B Solley Road
Glen Burnie Maryland (herein-

after referred to as "BFI"), and Philadelphia Coke Co., Inc.
and Clean Venture, Inc. as its authorized

Agent _____ a Penna. corporation with an office at
4501 Richmond Ave. Philadelphia
Penna. 19137 (hereinafter referred to as the "Cus-

tomers"), for the purpose of the collection, hauling and disposal of certain
designated wastes.

ARTICLE I — DESIGNATED WASTES. BFI agrees that it will take delivery of and the Customer agrees that it will deliver and properly identify in accordance with all laws and regulations, pursuant to the terms of this Agreement, the waste material only as set forth in Exhibit "A" attached hereto and incorporated herein by reference (hereinafter said waste shall be collectively referred to as the "Waste Material"). For all Waste Material to be disposed of by BFI, Customer shall, in addition to any labeling, placarding, marking, manifests, or other such documentation required by law, provide BFI, in advance, with a sample of the Waste Material, and with a detailed written physical and chemical description or analysis of the Waste Material to be dealt with by BFI including a listing of unique chemical characteristics (e.g. by way of explanation but not limitation, ignitability, corrosivity, reactivity, toxicity, or any other unique property known by Customer) and Customer's procedures, if such exist, that would be of material significance to the handling of such Waste Material properly. The description or analysis shall set forth the concentration or range of concentrations of the significant constituents of the Waste Material. In addition, at the written request of BFI, Customer shall furnish, directly to the third party owned or operated transportation or disposal facility selected or designated to receive any of the Customer's Waste Material, a written certification (in the form required by such facility) of the information and data required by this Article I to be furnished by Customer to BFI. **THIS AGREEMENT IS NOT, HOWEVER, A REQUIREMENTS CONTRACT.** BFI shall endeavor in good faith to collect, transport and dispose of any Waste Material in a lawful manner and in a manner which will not create a risk of harm to public health or the environment, provided that BFI reserves the right to decline to accept for collection, transportation or disposal any Waste Material which, in its judgement, it cannot transport or dispose of in a lawful manner, in a manner which will not create a risk of harm to public health or the environment or which cannot be handled economically due to a change in disposal sites or governmental regulation.

ARTICLE II — BFI INDEMNITY. After acceptance by BFI of the Customer's Waste Material, the Customer shall be relieved (except as hereinafter provided) from any further obligation with regard to its disposal, and BFI will indemnify and hold the Customer harmless from any and all damages, penalties, costs and expenses (including, but not limited to, reasonable investigation and legal expenses) which may reasonably be incurred by or imposed upon the Customer as a result of BFI's negligence or willful misconduct. This Article II shall be inapplicable if the damages, penalties, costs or expenses result solely from the Customer's delivery to BFI of materials not conforming to the descriptions of Waste Material as set forth in Exhibit "A" ("Non-conforming Waste").

ARTICLE III — TITLE. The Customer agrees that upon acceptance by BFI of the Waste Material described in Exhibit "A", title to

such Waste Material shall pass to BFI. Title to and legal responsibility and liability for Non-conforming Waste shall at all times remain with Customer.

ARTICLE IV — SERVICES AND EQUIPMENT. BFI will provide the services and equipment as set forth in Exhibit "B" attached hereto and incorporated herein by reference for the collection of the Waste Material.

All equipment, whether provided by Customer or BFI used to collect, store, transport and dispose of the Waste Material pursuant to this Agreement, shall comply with all applicable federal, state and local laws, rules, regulations and permits, provided that compliance therewith shall in no way remove any liabilities either party assumes elsewhere in this Agreement.

ARTICLE V — SPECIAL EQUIPMENT. If BFI is required to provide any special equipment in order to perform the work provided for in this Agreement, which is not listed in Exhibit "B", BFI and Customer shall agree in writing as to the equipment and the fee for such equipment.

ARTICLE VI — COLLECTION AND TRANSPORTATION. The Waste Material shall be collected and transported in accordance with the terms and conditions set forth in Exhibit "C" attached hereto and incorporated herein by reference.

Where BFI shall furnish certain equipment and personnel for the "in-plant" transportation and disposal of Waste Material, BFI shall have legal responsibility and liability for the transportation phase only and Customer shall have sole responsibility for the discharge and disposal of the Waste Material at Customer's facility and for the purging of the transportation equipment so as to render such equipment "empty" as defined by applicable statutes or regulations.

ARTICLE VII — COLLECTION, TRANSPORTATION AND DISPOSAL RATES. The rate for disposal of the Waste Material shall be at the rate shown in the schedules set forth in Exhibit "D" attached hereto and incorporated herein by reference.

ARTICLE VIII — MEANS OF DISPOSAL. All Waste Material will be disposed of at a site and by the means mutually agreed upon by Customer and BFI and in compliance with all local, state and federal laws governing the disposal of such Waste Material. In the event that either (i) the present means of disposal or (ii) the present disposal site utilized by BFI in disposing of the Waste Material becomes unavailable for the disposal of such Waste Material as a result of events which prohibit such disposal or increase BFI's costs so as to render disposal at current rate prohibitive, BFI shall have the option of (a) terminating this Agreement upon ten (10) days written notice to Customer or (b) renegotiate the disposal rates in effect at that time. For purposes of this Agreement, the term "unavailable" includes, but is not limited to, situations in which, in the reasonable judgment of BFI, the disposal facility in question becomes unable to accept or dispose of the Waste Material in question in a lawful or environmentally sound manner. If, after thirty (30) days the parties are unable to reach agreement of new disposal rates, either party may terminate this Agreement after ten (10) days written notice; provided however, that in the event this Agreement is terminated for either reason set forth above, Customer shall pay to BFI the excess costs incurred by BFI in the period between the date of termination and (i) notice of termination or (ii) notice of the desire to renegotiate, whichever is greater.

ARTICLE IX — COLLECTION AREAS. All collection areas shall be such that the location shall be easily accessible for the collection equipment provided at such location, which location is to be approved by BFI. The Customer shall bear all expenses in making these locations easily accessible.

ARTICLE X — FORCE MAJEURE. Except for the obligation to pay for services rendered, neither party hereto shall be liable for its failure to perform hereunder due to contingencies beyond its reasonable control including, but not limited to, strikes, riots, war, fire, acts of God, compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or any instrumentality thereof, whether now existing or hereafter created.

ARTICLE XI — ASSIGNMENT. This Agreement is assignable with the written consent of both parties and shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. Such consent shall not be unreasonably withheld, nor require

This Agreement shall not be altered or amended except by an agreement in writing executed by the party to be bound.

IN WITNESS WHEREOF, the parties have executed this Agreement on the day and year first above written.

[Corporate Seal]

PHILADELPHIA COKE CO., INC.

Attest:

Spuy E. Lafagne

By:

J. H. Johnson

Title:

Vice President

Title:

V. P. President

[Corporate Seal]

CLEAN VENTURE, INC.

Attest:

John A. Kusner

By:

J. C. Thole

Title:

Controller

Title:

Gen. Treas.

cise thereof, will constitute a waiver of such rights or of any other rights hereunder.

(b) All notices, consents and other communications provided for herein shall be validly given if in writing and delivered personally or sent by certified or registered first class mail, return receipt requested, postage prepaid, addressed as set forth below. Notices, consents and other communications hereunder shall be deemed given when received.

(i) If to Philadelphia Coke:

Mr. William L. Helm, Jr., President
Philadelphia Coke Co., Inc.
4501 Richmond Street
Philadelphia, Pennsylvania 19137

(ii) If to Contractor:

Mr. Gary Wagner, Vice President
Clean Venture, Inc.
1160 State Street
P.O. Box 936
Perth Amboy, New Jersey 08862

Section 7.7. Entire Agreement. This document represents the entire agreement and understanding of the parties with respect to the subject matter hereof, and supersedes all prior agreements and understandings of the parties, including any bids or solicitations for bids.

Section 7.2. Assignment, Binding Effect. This Agreement may not be assigned by the Contractor without the prior written consent of Philadelphia Coke. This Agreement shall be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns.

Section 7.3. Survival of Covenants. Expiration or termination of this Agreement shall not terminate Section 7.1 hereof or any rights or obligations thereunder, and such rights and obligations shall survive indefinitely.

Section 7.4. Governing Law. This Agreement shall be governed by and interpreted in accordance with the laws of the Commonwealth of Pennsylvania, except to the extent it specifically incorporates or refers to other law.

Section 7.5. Headings. The headings of Sections of this Agreement are for convenience only, they form no part hereof and shall not effect the interpretation of this Agreement.

Section 7.6. Waivers and Notices. (a) Any term or condition of this Agreement may be waived at any time by a written instrument by the party entitled to the benefits thereof or an authorized officer of such party. No delay or failure on the part of either party in exercising any rights hereunder and no partial or single exer-

Article VII

Miscellaneous Terms

Section 7.1. Indemnification. Contractor covenants and agrees to protect, indemnify and save harmless Philadelphia Coke, its parent, employees, agents, servants, officers, directors, successors and assigns from and against any and all liability, loss and expense, including, without limitation, civil and/or criminal penalties, fines, judgments, settlements, legal fees and expenses, arising out of or incurred in connection with the performance or non-performance of this Agreement, including but not limited to, liability, loss and expense resulting from, or incurred in connection with, any act or omission by subcontractors hired by Contractor or any and all claims, demands, and suits that may be brought against Philadelphia Coke, its parent employees, agents, servants, officers, directors, successors and assigns as a result of, or in connection with the performance or non-performance of this Agreement and the work contemplated hereby.

Section 6.2. Payment of Invoices. Invoices shall be submitted weekly for work performed during the preceding week, payable within 30 days after receipt by Philadelphia Coke of bills of lading, manifests attesting to delivery at the Solley Road facility in Glen Burnie, Maryland, and documentation satisfactory to Philadelphia Coke of the number of tons of Wastes removed during such week.

copies of documents evidencing such approvals to Philadelphia Coke upon request.

Article VI

Payment

Section 4.2. Guard Service. Philadelphia Coke shall provide, at its expense, such guard service with respect to the Wastes as it deems appropriate.

Article V

Representations and Warranties

Section 5.1. Rules and Regulations. Contractor represents and warrants that it is familiar with the provisions of the Federal Occupational Safety and Health Act, the Federal Toxic Substances Control Act, the Federal Resource Conservation and Recovery Act, the Pennsylvania Solid Waste Management Act, and the Maryland Controlled Hazardous Substances Law, as amended from time to time, and all rules and regulations promulgated thereunder. Such statutes, rules and regulations, to the extent they impose duties, responsibilities or obligations on the Contractor in the performance of this Agreement, by their own terms or by the operation of this Agreement, are hereby specifically incorporated herein by reference and made a part of this Agreement.

Section 5.2. Licenses and Approvals. Contractor represents and warrants that it has, and that any subcontractor hired by it shall have when so hired, all identification numbers, licenses, permits, governmental and other approvals as may be necessary or appropriate to carry out its duties under this Agreement, and Contractor shall provide

cable to any portion of the duties to be performed by Contractor under this Agreement.

Section 3.13. Alternative Disposal Site. In the event that the facility designated at Sections 1.3 and 3.7. hereof for disposal of the Wastes cannot or does not accept the Wastes, or any portion thereof, for disposal, Contractor agrees to transport and deliver the Wastes to the facility located at 56th Street and Pine Avenue in Niagara Falls, New York, owned and operated by CECOS International, Inc., a New York corporation, only upon prior notification to Philadelphia Coke, delivery to Philadelphia Coke of evidence satisfactory to Philadelphia Coke that the CECOS landfill has all necessary permits and approvals to enable it to accept the Wastes for disposal, and delivery to Philadelphia Coke of evidence satisfactory to Philadelphia Coke that the Contractor or any subcontractor has all necessary licenses and approvals to enable it to transport the Wastes to the CECOS disposal facility.

Article IV

Duties of Philadelphia Coke

Section 4.1. Electricity and Water. Philadelphia Coke shall provide, at its expense, such reasonable quantities of electricity and water as may reasonably be required by Contractor to perform its duties under Article III of this Agreement.

with carriers acceptable to Philadelphia Coke, to the extent set forth below:

- (i) statutory employer's liability workmen's compensation insurance, as required by any and all applicable statutes and regulations, with a minimum limit of no less than \$100,000;
- (ii) comprehensive automotive and property damage insurance with a combined single limit of no less than \$1,000,000;
- (iii) comprehensive general liability insurance as may be required by statute or regulation, or any substitute therefor approved under such statute or regulation; and
- (iv) comprehensive general liability insurance with combined single limit of no less than \$1,000,000 covering any claim or potential claim in connection with Contractor's performance (or failure of performance) under this Agreement, including, but not limited to, premises operations, products liability, completed operations, acts or omissions of independent contractors and contractual liability; and
- (e) comply with all requirements of the insurance carrier of Philadelphia Coke, and all statutes, rules and regulations now in force, or in effect at any time during the life of this Agreement, which are appli-

discharge, spill or release. Contractor shall immediately notify Philadelphia Coke of any discharge, spill or release and of the action taken by Contractor to prevent any threatened damage, injury or loss.

Section 3.12.- Additional Responsibilities of Contractor. In addition to the duties specified in this Article III, Contractor shall, at its sole expense:

(a) provide a mobile office trailer, a decontamination/storage trailer and portable toilet facilities for its employees;

(b) provide all heavy equipment necessary to perform the duties specified in this Article III, including, but not limited to, such of the following as may be required: front end loaders, bulk transport trucks, tractor trailer trucks, rail cars, pumps, drums, personal protective equipment for employees, in-line breathing air respirator system for closed vessel entry, explosimeter, tools and other specialized equipment;

(c) prepare all required manifests in a manner satisfactory to Philadelphia Coke, keep detailed records (including a daily log) and provide copies of such manifests and records to Philadelphia Coke;

(d) provide to Philadelphia Coke evidence satisfactory to Philadelphia Coke of Contractor's insurance coverage applicable to its duties under this Agreement,

under within the time period specified in (a) above, Philadelphia Coke shall have the right to hire another contractor to complete such performance, all additional costs and expenses of such hiring to be born by the Contractor hereunder.

Section 3.10. Evidence of Completion and Compliance.

Contractor shall deliver evidence satisfactory to Philadelphia Coke of the final disposal of the Wastes at a permitted landfill by proper landfill methods approved by the Environmental Protection Agency, the Pennsylvania Department of Environmental Resources, and the Maryland Department of Health and Mental Hygiene, and shall deliver evidence satisfactory to Philadelphia Coke of the completion of all manifests and other reports and documents required to ensure compliance with all state, federal and local statutes, rules and regulations governing the removal, transportation, storage, and disposal of the Wastes.

Section 3.11. Spill or Discharge. In the event of any discharge, spill or release of any of the Wastes, Contractor shall be responsible for notifying any governmental agencies and other persons that require such notification and shall immediately take all appropriate action to protect the health and safety of the public and the environment, and shall bear all costs and expenses incurred for remedial action, including all costs and expenses incurred by or charged to Philadelphia Coke, in connection with any such

Section 3.7. Transportation. Contractor shall transport the Wastes, either in drums or in bulk, to the Browning Ferris, Inc. facility located at 7890 Solley Road in Glen Burnie, Maryland, in accordance with all applicable federal, state and local statutes, rules and regulations, including, but not limited to, the rules and regulations of the Federal, Pennsylvania and Maryland Departments of Transportation, the Environmental Protection Agency, the Pennsylvania Department of Environmental Resources and the Maryland Department of Health and Mental Hygiene, within the time period specified below. Contractor shall not transport or store any material other than these Wastes in any vehicle or container then being used to transport or store these Wastes.

Section 3.8. Performance. Contractor covenants to perform all work in a careful and diligent manner.

Section 3.9. Time Period. (a) Contractor shall complete its duties under this Article III within 50 weather working days (as hereinafter defined) after the date of this Agreement. For purposes of this Agreement, a "weather working day" shall be any day other than a Saturday, Sunday or legal holiday on which the weather is determined by Philadelphia Coke to be suitable for removal of the Wastes.

(b) Contractor recognizes that time is of the essence for purposes of this Agreement. If for any reason Contractor does not complete its performance here-

Section 3.4. Labelling. Contractor shall label the Wastes and any containers and vehicles used to transport, store or transfer such Wastes, in compliance with all applicable federal, state and local statutes, rules and regulations, including, but not limited to, the rules and regulations of the Federal, Pennsylvania and Maryland Departments of Transportation, the Environmental Protection Agency, the Pennsylvania Department of Environmental Resources and the Maryland Department of Health and Mental Hygiene.

Section 3.5. Packaging. Contractor shall package the Wastes in compliance with all applicable federal, state and local statutes, rules and regulations, including, but not limited to, the rules and regulations of the Federal, Pennsylvania and Maryland Departments of Transportation, the Environmental Protection Agency, the Pennsylvania Department of Environmental Resources and the Maryland Department of Health and Mental Hygiene.

Section 3.6. Weighing. Contractor shall weigh each load of the Wastes before it is removed from Philadelphia Coke's Richmond Street plant at the scales provided by Philadelphia Coke and shall enter such weight on the manifest. The weight as determined at Philadelphia Coke shall determine conclusively the payments provided for under Article VI hereof.

Philadelphia Coke's Richmond Street plant within the time period specified below. The spent iron oxide shall be mixed by Contractor in suitable proportions into the tar decanter waste prior to removal in order to produce a material that is acceptable to the disposer, Browning Ferris, Inc.

Section 3.2. Removal of Tar Decanter Waste.

Contractor shall remove all tar decanter waste from the decanter sumps and adjacent storage pit at Philadelphia Coke's Richmond Street plant and shall clean and remove all surface contamination from the interior surface of the storage pit, in a manner satisfactory to Philadelphia Coke, all within the time period specified below.

Section 3.3. Compliance With Law. Contractor shall be solely responsible that the work site, the performance of the Contractor's duties hereunder and any conditions relating thereto, comply in all respects with all provisions of any and all applicable federal, state and local statutes, rules and regulations, including, but not limited to, the Federal Occupational Safety and Health Act, the Federal Toxic Substances Control Act, the Resource Conservation and Recovery Act, the Pennsylvania Solid Waste Management Act, and the Maryland Controlled Hazardous Substances Law, as amended from time to time, and all rules and regulations promulgated thereunder. It shall be Contractor's sole responsibility to determine the applicability of any such law or regulation.

directors and contractors, and specifically includes any and all subcontractors and their employees, agents, servants, officers and directors.

Section 1.2. Transporter. Contractor shall use Tajon Inc., a Delaware corporation, to transport the Wastes as provided in Section 3.7. hereof.

Section 1.3. Disposer. Contractor shall dispose of the Wastes, except as provided in Section 3.13 hereof, at the facility located at 7890 Solley Road in Glen Burnie, Maryland, a facility owned and operated by Browning Ferris, Inc., a Maryland corporation.

Article II

Engagement and Acceptance

Section 2.1. Engagement. Philadelphia Coke hereby engages Contractor to remove and dispose of the Wastes on the terms and conditions set forth herein.

Section 2.2. Acceptance. Contractor hereby accepts the engagement by Philadelphia Coke to remove and dispose of the Wastes on the terms and conditions set forth herein.

Article III

Duties of Contractor

Section 3.1. Removal of Spent Iron Oxide. Contractor shall remove all spent iron oxide from two large rectangular boxes and adjacent open-air storage area at

AGREEMENT

Agreement made this 26th day of August, 1982, by and between Philadelphia Coke Co., Inc., a Delaware corporation ("Philadelphia Coke"), and Clean Venture, Inc., a New Jersey corporation (the "Contractor").

Background

Philadelphia Coke generates and stores certain waste materials that are or may be defined as "hazardous" under regulations of certain state and federal regulatory agencies. Specifically, these waste materials are known as "spent iron oxide" and "tar decanter waste" (hereinafter, collectively referred to as the "Wastes"). Pursuant to a solicitation of bids from contractors by Philadelphia Coke for the removal of the Wastes, Contractor submitted a bid. Philadelphia Coke desires to accept Contractor's bid on the terms and conditions set forth below.

NOW, THEREFORE, in consideration of the mutual covenants set forth below, and intending to be legally bound, the parties hereby agree as follows:

Article I

Identification of Parties

Section 1.1. Contractor. The word "Contractor," wherever that word appears herein, shall mean Clean Venture, Inc. and all of its employees, agents, servants, officers,



Philadelphia Coke Co., Inc.
4501 Richmond Street
Philadelphia, Pennsylvania 19137
(215) 743-3100

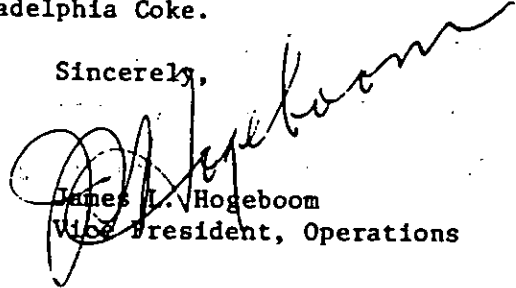
August 26, 1982

Mr. Darrell E. Taylor
Administrative Assistant
Regional Sales Manager
BFI Waste Systems
Browning-Ferris Industries
P. O. Box 8733
BWI Airport, MD 21240

Dear Mr. Taylor:

Attached is a copy of the contract between Clean Venture and Philadelphia Coke which clearly authorizes Clean Venture to act as our agent in signing the necessary forms, documents, manifests, etc., in connection with waste disposal activities at Philadelphia Coke.

Sincerely,



James L. Hogeboom
Vice President, Operations

JLH:vp

Enc.

APPENDIX B-3

Kipin Industries, Inc. Service Documents

APPENDIX TABLE B-2

DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECATERS AND IRON OXIDE BOXES (continued)

<u>Manifest Document No.</u>	<u>Shipment Date</u>	<u>Hauler and I.D.</u>	<u>Facility I.D.</u>	<u>Waste Description</u>	<u>Quantity, Tons</u>
B15472	11/9/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.85
B15473	11/10/82	BFI Transport MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.37
B15474	11/10/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.65
B15475	11/10/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	23.81
B15476	11/10/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.17
B15477	11/10/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.22
B15478	11/10/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.09
B15479	11/10/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.17
B15480	11/10/82	BFI Transport MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.26
B15481	11/17/82	BFI Transport MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.61
B15482	11/17/82	BFI Transport MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.52
B15483	11/17/82	BFI Transport MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.64
B15484	11/17/82	BFI Transport MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.09
B15485	11/17/82	BFI Transport MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.21
B15486	12/1/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.07
B15487	12/1/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.09
B15488	12/1/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.13
B15489	12/1/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.32

APPENDIX TABLE B-2
DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECATERS AND IRON OXIDE BOXES (continued)

<u>Manifest Document No.</u>	<u>Shipment Date</u>	<u>Hauler and I.D.</u>	<u>Facility I.D.</u>	<u>Waste Description</u>	<u>Quantity, Tons</u>
B15463	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.18
B15490	12/11/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.55
B15491	12/12/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.09
B15492	12/12/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.70
B15493	12/12/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	18.59
B15494	12/3/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.47
B15495	12/3/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.19
B15496	12/3/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.03
B15497	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.66
B15465	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.85
B15466	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.77
B15467	11/9/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	23.37
B15468	11/9/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.45
B15469	11/9/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.80
B15470	11/9/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.61
B15471	11/9/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.16

APPENDIX TABLE B-2

DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECANTERS AND IRON OXIDE BOXES (continued)

<u>Manifest Document No.</u>	<u>Shipment Date</u>	<u>Hauler and I.D.</u>	<u>Facility I.D.</u>	<u>Waste Description</u>	<u>Quantity, Tons</u>
B15448	11/5/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.59
B15449	11/5/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.21
B15450	11/5/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.50
B15451	11/5/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.04
B15452	11/5/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.96
B15453	11/5/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.14
B15454	11/5/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.22
B15455	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.38
B15456	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.06
B15457	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.50
B15458	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	23.49
B15459	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.76
B15460	11/8/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.85
B15461	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.92
B15462	11/8/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.66

APPENDIX TABLE B-2

DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECANTERS AND IRON OXIDE BOXES (continued)

<u>Manifest Document No.</u>	<u>Shipment Date</u>	<u>Hauler and I.D.</u>	<u>Facility I.D.</u>	<u>Waste Description</u>	<u>Quantity, Tons</u>
B15432	10/12/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.93
B15433	10/13/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.34
B15434	10/13/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.19
B15435	10/13/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.80
B15436	10/13/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.74
B15437	10/13/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.59
B15438	10/13/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.49
B15439	11/4/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.03
B15440	11/4/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.14
B15442	11/4/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.3
B15443	11/4/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.83
B15444	11/4/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.80
B15445	11/5/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.23
B15446	11/5/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	23.35
B15447	11/5/82	Environmental Cleaning Specialists PAD 980714737	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.38

APPENDIX TABLE B-2

DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECANTERS AND IRON OXIDE BOXES (continued)

Manifest Document No.	Shipment Date	Hauler and I.D.	Facility I.D.	Waste Description	Quantity, Tons
B15411	10/11/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.76
B15412	10/11/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.37
B15413	10/11/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.15
B15414	10/11/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.50
B15415	10/11/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.91
B15416	10/11/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	18.71
B15417	10/11/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.33
B15418	10/11/82	BFI Chem. Services MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.05
B15419	10/11/82	BFI Chem. Services MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.53
B15420	10/11/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.56
B15421	10/12/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.35
B15422	10/12/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.18
B15423	10/12/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.27
B15424	10/12/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.58
B15425	10/12/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.33
B15426	10/12/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.55
B15427	10/12/82	BFI Chem. Services MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	15.04
B15428	10/12/82	BFI Chem. Services MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.14
B15429	10/12/82	BFI Chem. Services MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.26
B15430	10/12/82	Merola NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.05
B15431	10/12/82	Merola NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.95

APPENDIX TABLE B-2

DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECANTERS AND IRON OXIDE BOXES (continued)

<u>Manifest Document No.</u>	<u>Shipment Date</u>	<u>Hauler and I.D.</u>	<u>Facility I.D.</u>	<u>Waste Description</u>	<u>Quantity, Tons</u>
B15390	10/7/82	Merola ENT NJT 350011185	DFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	18.70
B15391	10/7/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.26
B15392	10/7/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.27
B15393	10/7/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.03
B15394	10/7/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	18.97
B15395	10/7/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.38
B15396	10/7/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.38
B15397	10/7/82	BFI MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.43
B15398	10/8/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.21
B15399	10/8/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.97
B15400	10/8/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.65
B15401	10/8/82	BFI Transportation MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.45
B15402	10/8/82	BFI MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.07
B15403	10/8/82	BFI MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.88
B15404	10/8/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.33
B15405	10/8/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.23
B15406	10/8/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.46
B15407	10/8/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.52
B15408	10/8/82	BFI MDD 000797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.64
B15409	10/11/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.8
B15410	10/11/82	Merola ENT NJT 350011185	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.87

APPENDIX TABLE B-2

DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECANTERS AND IRON OXIDE BOXES (continued)

<u>Manifest Document No.</u>	<u>Shipment Date</u>	<u>Hauler and I.D.</u>	<u>Facility I.D.</u>	<u>Waste Description</u>	<u>Quantity, Tons</u>
B15371	10/5/82	BFI	BFI Solley Rd	MCS (Hazardous NOS	18.90
		MDD 00797373	MDD 00797365	Waste Solid)	
B15372	10/5/82	BFI	BFI Solley Rd	MCS (Hazardous NOS	19.92
		MDD 00797373	MDD 00797365	Waste Solid)	
B15373	10/5/82	Merola ENT	BFI Solley Rd	MCS (Hazardous NOS	20.11
		NJT 350011185	MDD 00797365	Waste Solid)	
B15374	10/5/82	Merola ENT	BFI Solley Rd	MCS (Hazardous NOS	18.83
		NJT 350011185	MDD 00797365	Waste Solid)	
B15375	10/5/82	Merola ENT	BFI Solley Rd	MCS (Hazardous NOS	19.18
		NJT 350011185	MDD 00797365	Waste Solid)	
B15376	10/5/82	Merola ENT	BFI Solley Rd	MCS (Hazardous NOS	20.30
		NJT 350011185	MDD 00797365	Waste Solid)	
B15377	10/5/82	BFI	BFI Solley Rd	MCS (Hazardous NOS	19.44
		MDD 00797373	MDD 00797365	Waste Solid)	
B15378	10/6/82	Merola ENT	BFI Solley Rd	MCS (Hazardous NOS	19.94
		NJT 350011185	MDD 00797365	Waste Solid)	
B15379	10/6/82	BFI	BFI Solley Rd	MCS (Hazardous NOS	21.26
		MDD 00797373	MDD 00797365	Waste Solid)	
B15380	10/6/82	BFI	BFI Solley Rd	MCS (Hazardous NOS	20.53
		NJT 350011185	MDD 00797365	Waste Solid)	
B15381	10/6/82	Merola ENT	BFI Solley Rd	MCS (Hazardous NOS	19.42
		NJT 350011185	MDD 00797365	Waste Solid)	
B15382	10/6/82	BFI	BFI Solley Rd	MCS (Hazardous NOS	21.28
		MDD 00797373	MDD 00797365	Waste Solid)	
B15383	10/6/82	BFI	BFI Solley Rd	MCS (Hazardous NOS	19.42
		NJT 350011185	MDD 00797365	Waste Solid)	
B15384	10/6/82	Merola ENT	BFI Solley Rd	MCS (Hazardous NOS	20.38
		NJT 350011185	MDD 00797365	Waste Solid)	
B15385	10/7/82	BFI	BFI Solley Rd	MCS (Hazardous NOS	20.87
		MDD 00797373	MDD 00797365	Waste Solid)	
B15386	10/6/82	Merola ENT	BFI Solley Rd	MCS (Hazardous NOS	19.54
		NJT 350011185	MDD 00797365	Waste Solid)	
B15387	10/7/82	Merola ENT	BFI Solley Rd	MCS (Hazardous NOS	21.52
		NJT 350011185	MDD 00797365	Waste Solid)	
B15388	10/7/82	Merola ENT	BFI Solley Rd	MCS (Hazardous NOS	20.64
		NJT 350011185	MDD 00797365	Waste Solid)	
B15389	10/7/82	BFI	BFI Solley Rd	MCS (Hazardous NOS	19.81
		MDD 00797373	MDD 00797365	Waste Solid)	

APPENDIX TABLE B-2

DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECANTERS AND IRON OXIDE BOXES (continued)

<u>Manifest Document No.</u>	<u>Shipment Date</u>	<u>Hauler and I.D.</u>	<u>Facility I.D.</u>	<u>Waste Description</u>	<u>Quantity, Tons</u>
D15336	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.50
D15337	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.44
D15338	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.35
D15339	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	25.24
D15340	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	25.39
D15341	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.77
D15342	9/30/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.25
D15343	9/30/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.66
D15344	9/30/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.87
D15345	9/30/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	30.81
D15346	9/30/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	25.12
D15347	9/30/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	24.37
D15348	9/30/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.85
D15349	9/30/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	26.79
D15350	9/30/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.98
D15351	9/30/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.76
D15366	10/4/82	BFI MDD00797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.18
D15367	10/4/82	BFI MDD00797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.82
D15368	10/4/82	BFI MDD00797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.18
D15369	10/4/82	BFI MDD 00797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	18.68
D15370	10/4/82	BFI MDD 00797373	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	18.96

APPENDIX TABLE B-2

DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECANTERS AND IRON OXIDE BOXES (continued)

<u>Manifest Document No.</u>	<u>Shipment Date</u>	<u>Hauler and I.D.</u>	<u>Facility I.D.</u>	<u>Waste Description</u>	<u>Quantity, Tons</u>
D15315	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.97
D15316	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.28
D15317	9/27/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.80
D15318	9/27/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	24.91
D15319	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	27.63
B15320	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.45
B15321	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.22
B15322	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.05
B15323	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.43
D15324	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	24.45
D15325	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.49
B15326	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.18
D15327	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.52
B15328	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.61
D15329	9/28/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	25.20
D15330	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	24.12
B15331	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.85
D15332	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.26
B15333	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.51
D15334	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	29.49
D15335	9/29/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	26.24

APPENDIX TABLE B-2

DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECANTERS AND IRON OXIDE BOXES (continued)

<u>Manifest Document No.</u>	<u>Shipment Date</u>	<u>Hauler and I.D.</u>	<u>Facility I.D.</u>	<u>Waste Description</u>	<u>Quantity, Tons</u>
B15594	9/23/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	23.01
B15595	9/23/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.58
B15596	9/23/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.85
B15597	9/23/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.02
B15598	9/23/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.81
B15599	9/23/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	26.34
B15600	9/23/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	24.64
B15301	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.36
B15302	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.74
B15303	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.99
B15304	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.85
B15305	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.92
B15306	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	19.93
B15307	9/27/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	23.70
B15308	9/27/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.05
B15309	9/27/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	24.33
B15310	9/27/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	24.40
B15311	9/27/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.75
B15312	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.53
B15313	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.17
B15314	9/24/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.94

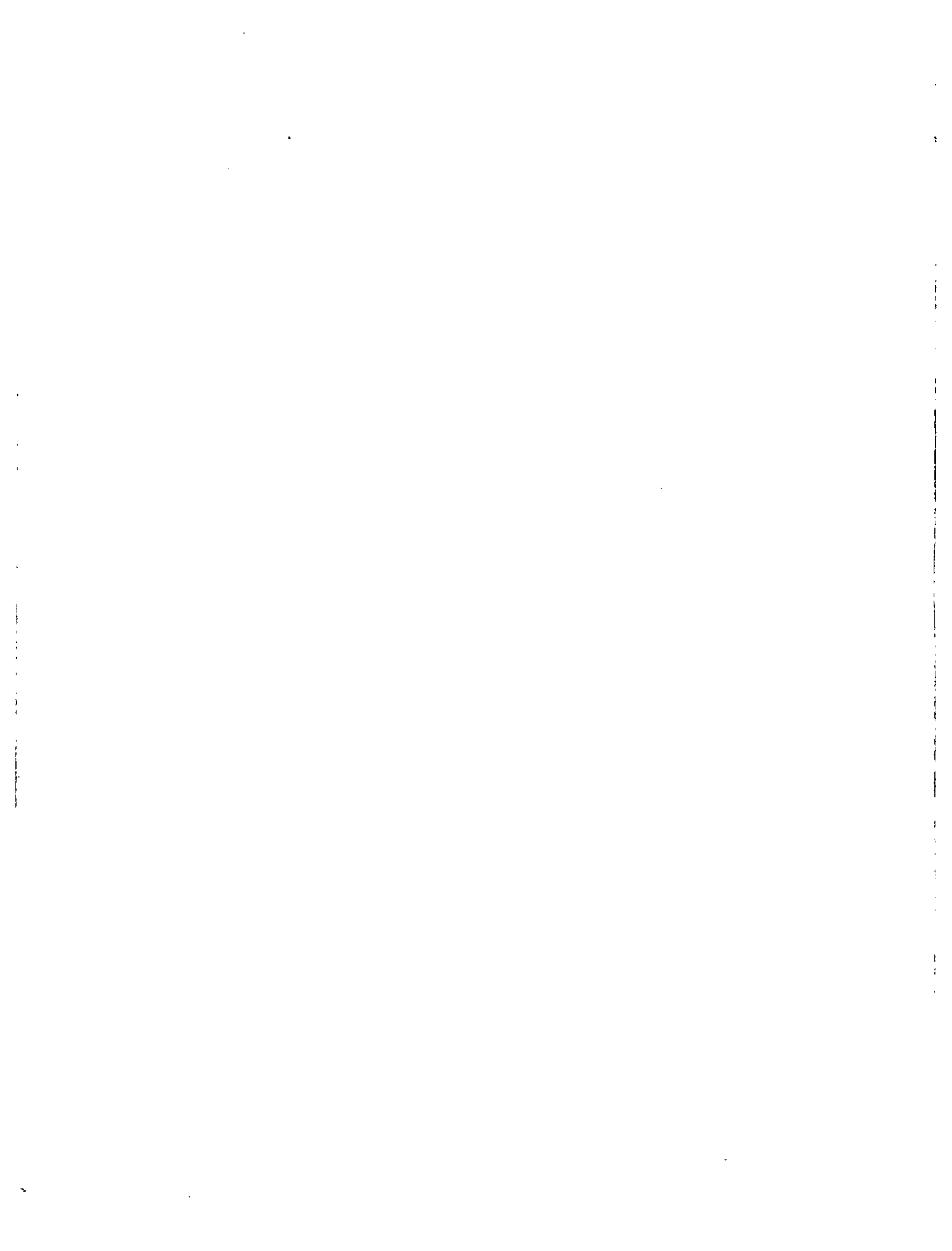
APPENDIX TABLE B-2

DOCUMENTATION FOR DISPOSAL OF WASTE FROM TAR DECANTERS AND IRON OXIDE BOXES

<u>Manifest Document No.</u>	<u>Shipment Date</u>	<u>Hauler and I.D.</u>	<u>Facility I.D.</u>	<u>Waste Description</u>	<u>Quantity, Tons</u>
B15573	9/20/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.71
B15574	9/20/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	25.31
B15575	9/21/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.42
B15576	9/21/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.16
B15577	9/21/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.46
B15578	9/21/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	24.40
B15579	9/21/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.76
B15580	9/21/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.99
B15581	9/21/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	25.88
B15582	9/21/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	25.88
B15583	9/22/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.63
B15584	9/22/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	27.94
B15585	9/22/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.38
B15586	9/22/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	21.37
B15587	9/22/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.90
B15588	9/22/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.60
B15589	9/22/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	25.45
B15590	9/22/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	25.99
B15591	9/23/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	22.11
B15592	9/23/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	23.59
B15593	9/23/82	Tajon, Inc. PAD 047207766	BFI Solley Rd MDD 000797365	MCS (Hazardous NOS Waste Solid)	20.15

APPENDIX C
1988 CLOSURE ACTIVITY DOCUMENTS





PHILADELPHIA COKE COMPANY
 WEEK ENDING DECEMBER 3, 1983

BILLING #19

	FUEL PROCESSING	KELLY RUN	ON SITE
MONDAY	21.26	-	15.56, 14.29, 15.12.49
TUESDAY	-	-	17.97, 14., 19.0.
WEDNESDAY		27.65, 25.30, 24.65 34.10, 31. 35.75 23.90, 26.95,	16.92, 18.74, 15.8
THURSDAY	-	24.575, 26.35	20.77, 16.18, 18.8
FRIDAY	-	24.125, 20.35, 34.35, 24.40	16.06, 10.17, 14.2
	21.26	383.45	256.305

21.26 X \$24.50 = \$520.87

383.45 X \$105 = \$40,262.25

256.305 X \$40 = 10,252.20

FUEL PROCESSING	\$	520.87
KELLY RUN		40,262.25
ON SITE		<u>10,252.20</u>
	\$	51,035.32
Less 10% retention		<u>5,103.53</u>
	\$	45,931.79

PHILADELPHIA COKE COMPANY
 WEEK ENDING November 19, 1983

Billing #17

	BOYERTOWN	FUEL PROCESSING	KELLY RUN
MONDAY	16.86, 16.54, 10.02, 10.08		25.575, 27.80, 23.82, 26.34, 22.9 29.78, 23.545
TUESDAY			25.96, 26.17, 23.67 24.70, 28.88
WEDNESDAY			22.625, 24.80, 29.0 29.00, 26.30, 27.63 23.40, 25.65
THURSDAY		21.71	22.45, 27.70, 24.09 35.65, 34.54,
FRIDAY		21.71	22.60, 24.60, 22.95
	<hr/> 53.50	<hr/> 43.42	<hr/> 732.18
	53.50 X \$98 = \$5,243.00	43.42 X \$24.50 = \$1,063.79	732.18 X \$105 = \$76,878.90
KELLY RUN	\$76,878.90		
BOYERTOWN	5,243.00		
FUEL PROCESSING	<u>1,063.79</u>		
	\$83,185.69		
LESS 10% Retention	<u>8,318.57</u>		
	\$74,867.12		

Fuel Processing

PHILADELPHIA COKE CO
WEEK ENDING November 12, 1983

BILLING #16

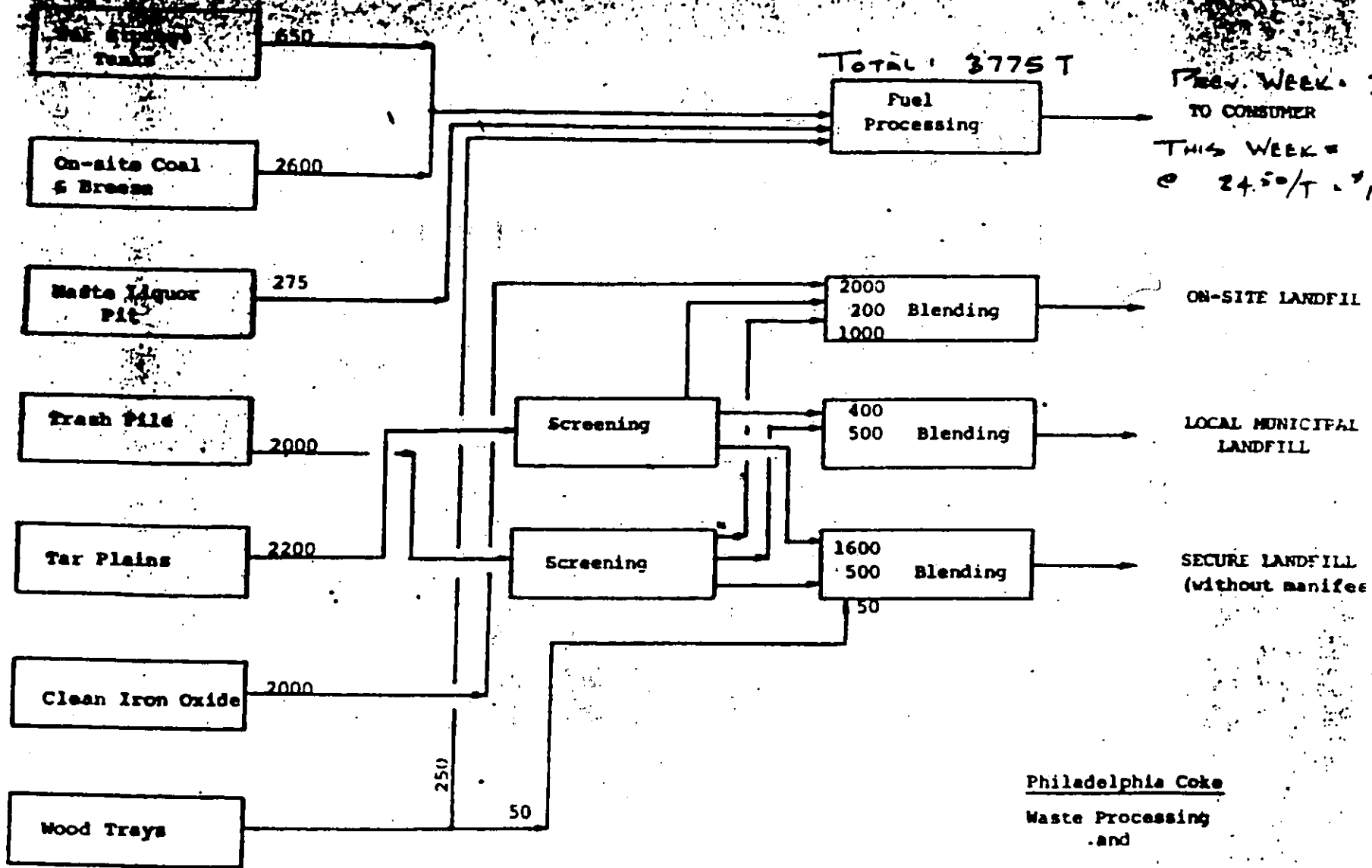
	BOYERTOWN	FUEL PROCESSING	KELLY RUN
MONDAY	19.33		21.79
TUESDAY			27.38, 26.71, 24.90 24.95
WEDNESDAY			28.265, 26.53, 22.54 27.175, 22.78, 20.445 22.92, 25.325
THURSDAY		21.33	24.115, 23.74, 27.245, 27.36, 26.17
FRIDAY		23.02, 19.91	28.525, 26.365, 28.83, 22.825, 23.155, 27.915
	<u>19.33</u>	<u>64.26</u>	<u>607.955</u>

19.33 x \$98. = 1894.34

64.26 x \$24.50 = 1574.37

607.955 x \$105 = 63,835.28

BOYERTOWN	1,894.34
FUEL PROCESSING	1,574.37
KELLY RUN	<u>63,835.28</u>
	67,303.99
Less 10% retention	<u>6,730.40</u>
	60,573.59



TOTAL: 3775 T

Prev. WEEK: 3000
TO CONSUMER
THIS WEEK = 775 T
@ 24.5¢/T = \$18,987.50

Philadelphia Coke
Waste Processing
and

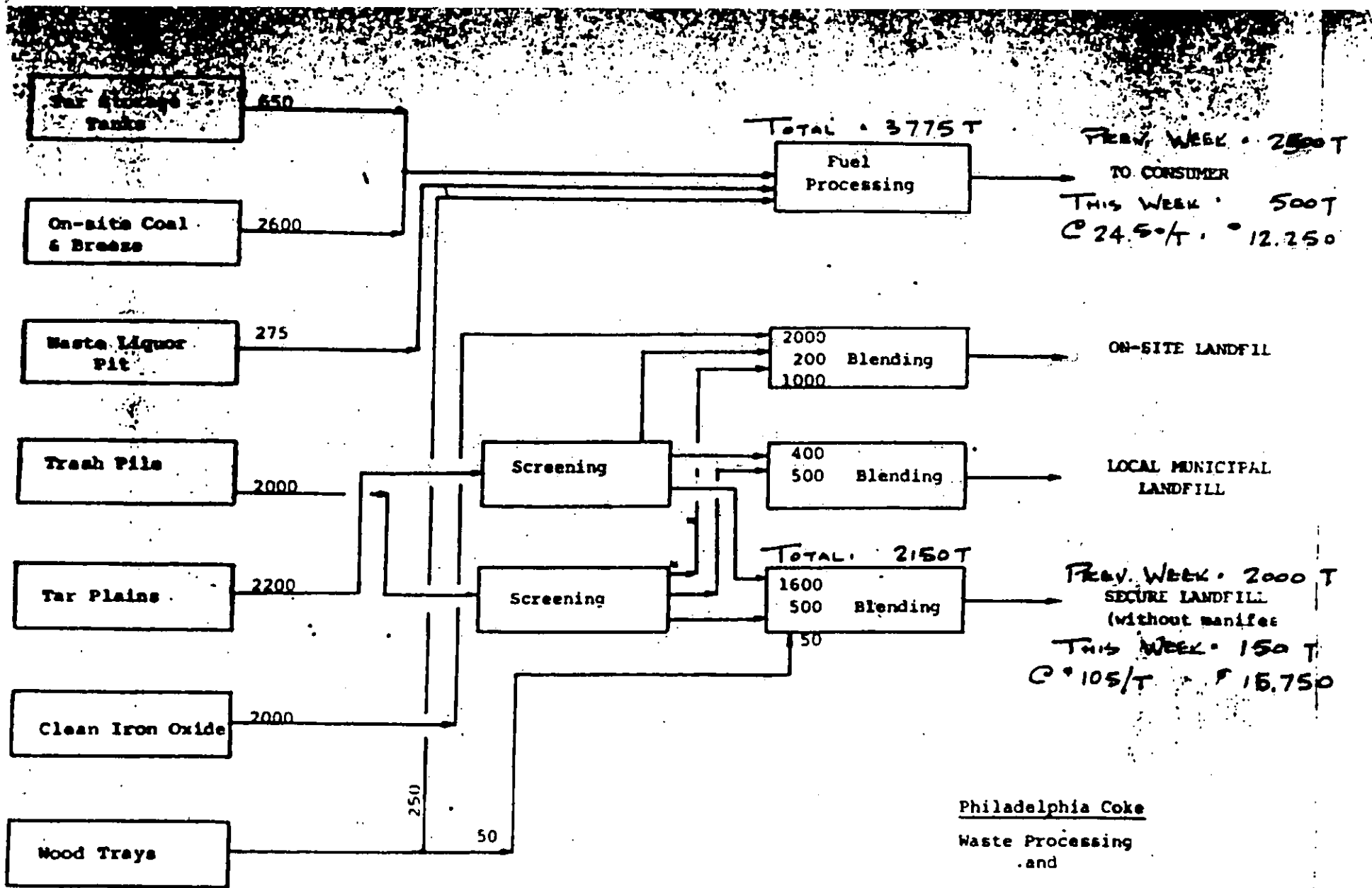
Disposal
4/15/83

CASH FLOW
Revised 5/21/83

ENDING
5-17-83

18,987.50

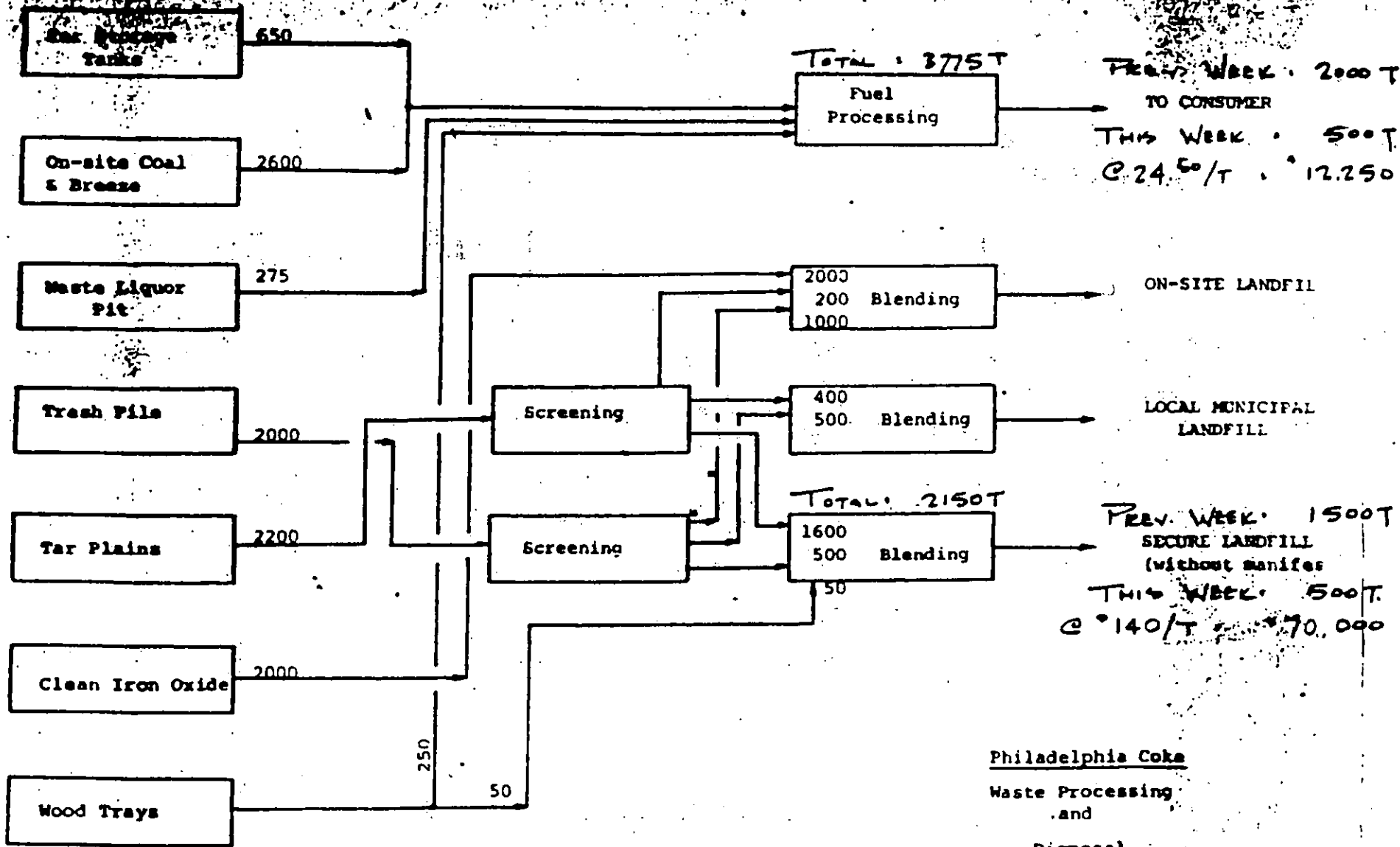
PHILADELPHIA COKE



KIPIN INDUSTRIES

Philadelphia Coke
Waste Processing
and

Disposal
4/15/83
CASH FLOW / ENDING
Revised 5/1/83
9-10-83
18,000



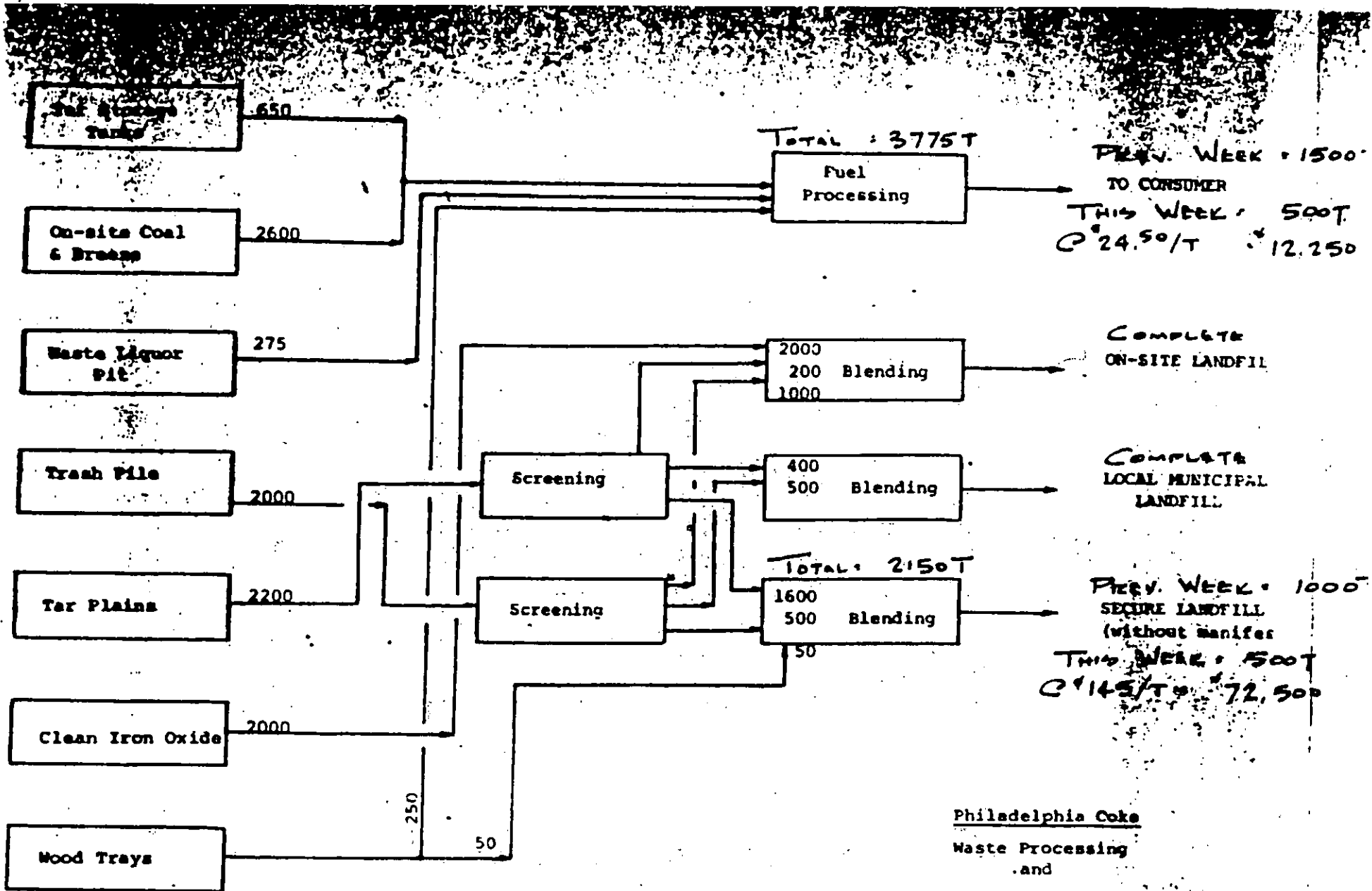
Prev. Week: 2000 T
 TO CONSUMER
 THIS WEEK: 500 T
 @ 24.50/T = 12,250

Prev. Week: 1500 T
 SECURE LANDFILL
 (without manifest)
 THIS WEEK: 500 T
 @ 140/T = 70,000

Philadelphia Coke
 Waste Processing
 and

Disposal
 4/15/83

CASH FLOW / ENDING
 Revised 5/3/83
 Revised 7/1/83



Philadelphia Coke

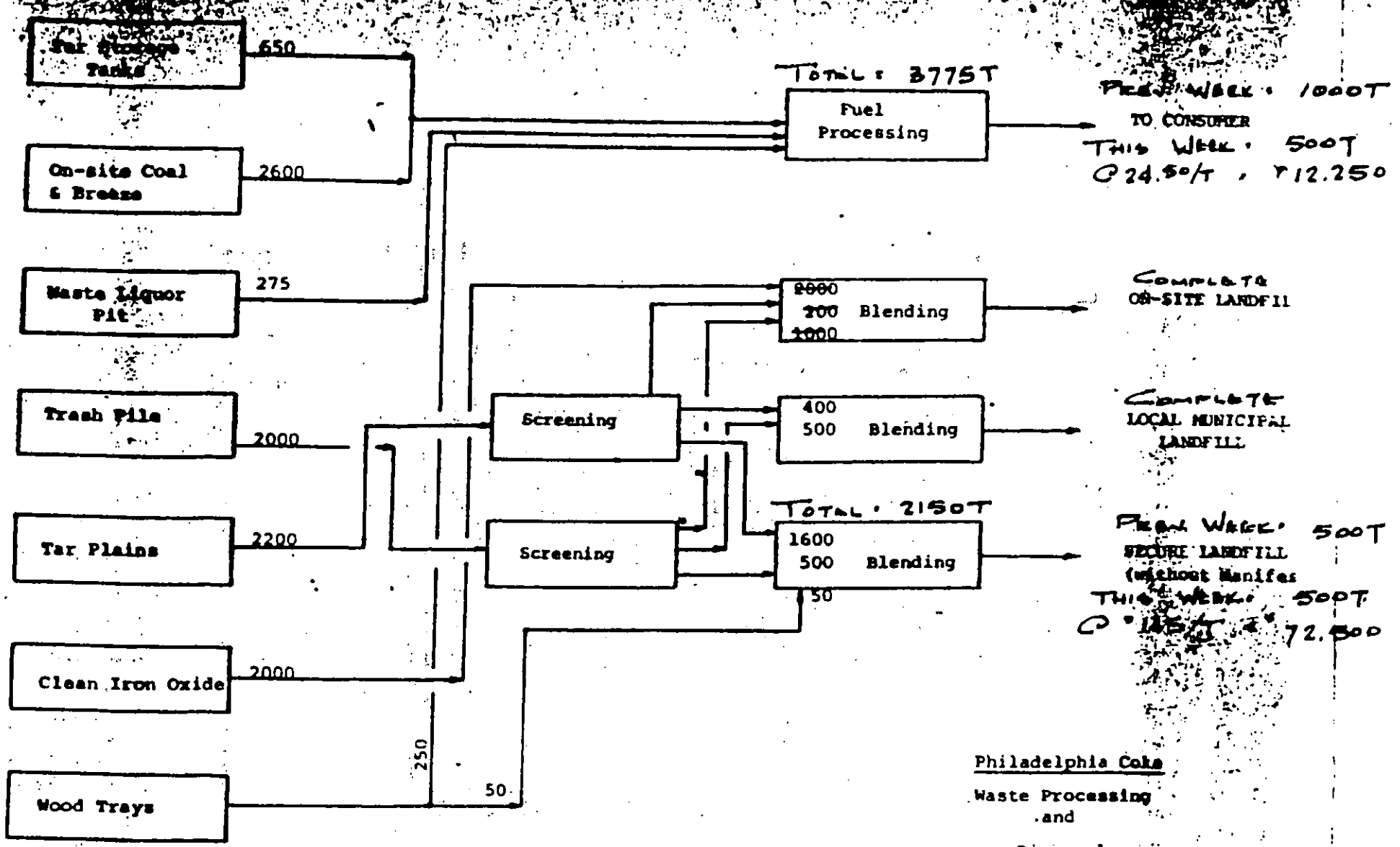
Waste Processing
and

Disposal
4/15/83

CASH FLOW / FINDING
Revised 5/21/83 8:37-83

KIPIN INDUSTRIES

50,000



TOTAL: 3775T

PREVIOUS WEEK: 1000T
 TO CONSUMER
 THIS WEEK: 500T
 @ 24.50/T, 712.250

TOTAL: 2150T

COMPLETE
ON-SITE LANDFILL

COMPLETE
LOCAL MUNICIPAL
LANDFILL

PREVIOUS WEEK: 500T
 SECURE LANDFILL
 (without Manifest)
 THIS WEEK: 500T
 @ 145.00/T, 72.500

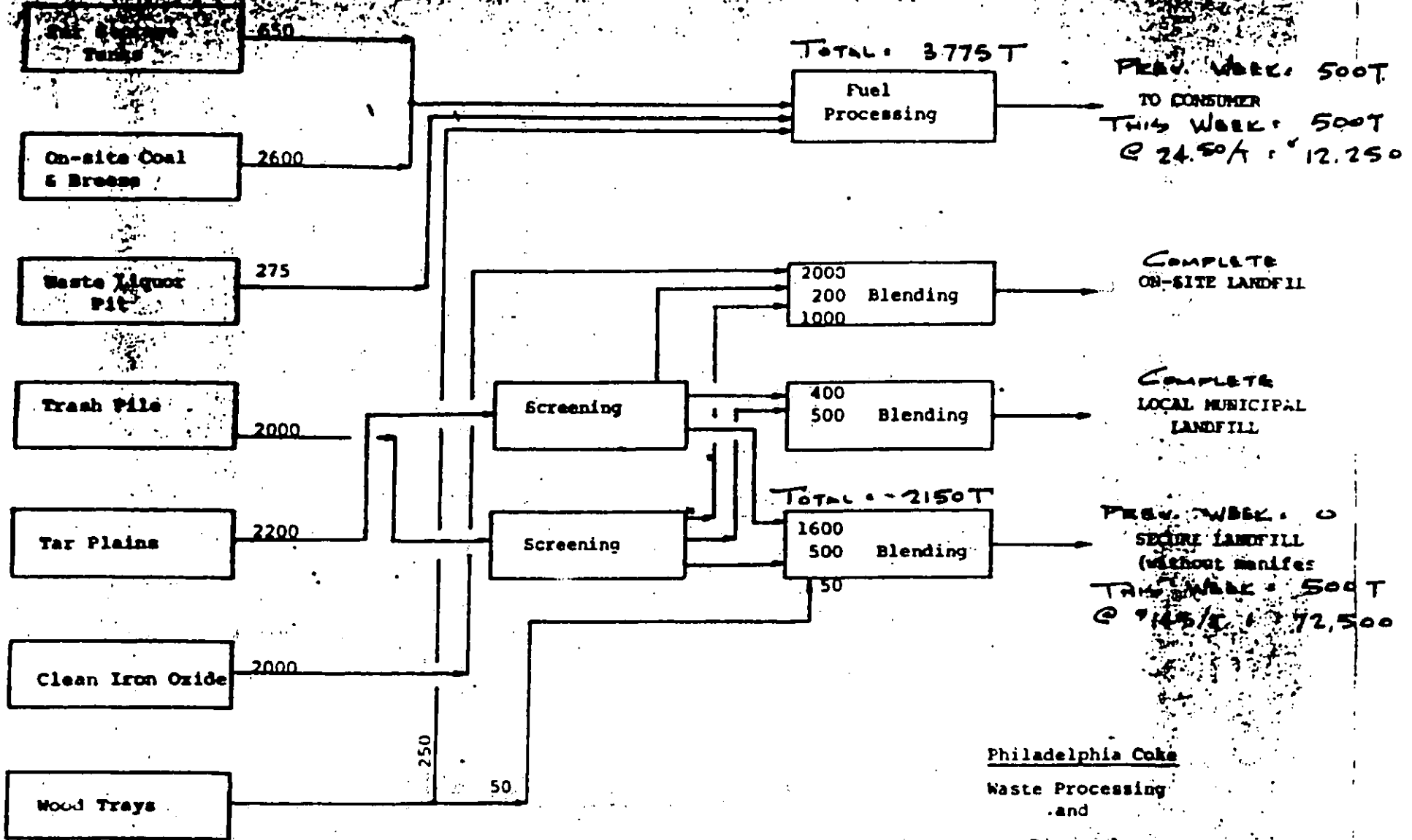
Philadelphia Coca
 Waste Processing
 and

Disposal
 4/15/83

CASH Flow / *ENDING*
 Revised 5/7/83

KIPR INDUSTRIES

750



Total: 3775T

Prev. Week: 500T
 TO CONSUMER
 THIS WEEK: 500T
 @ 24.50/T = 12,250

COMPLETE ON-SITE LANDFILL

COMPLETE LOCAL MUNICIPAL LANDFILL

Total: 2150T

Prev. Week: 0
 SECURE LANDFILL
 (without manifest)
 THIS WEEK: 500T
 @ 145/T = 72,500

Philadelphia Coke
 Waste Processing
 and

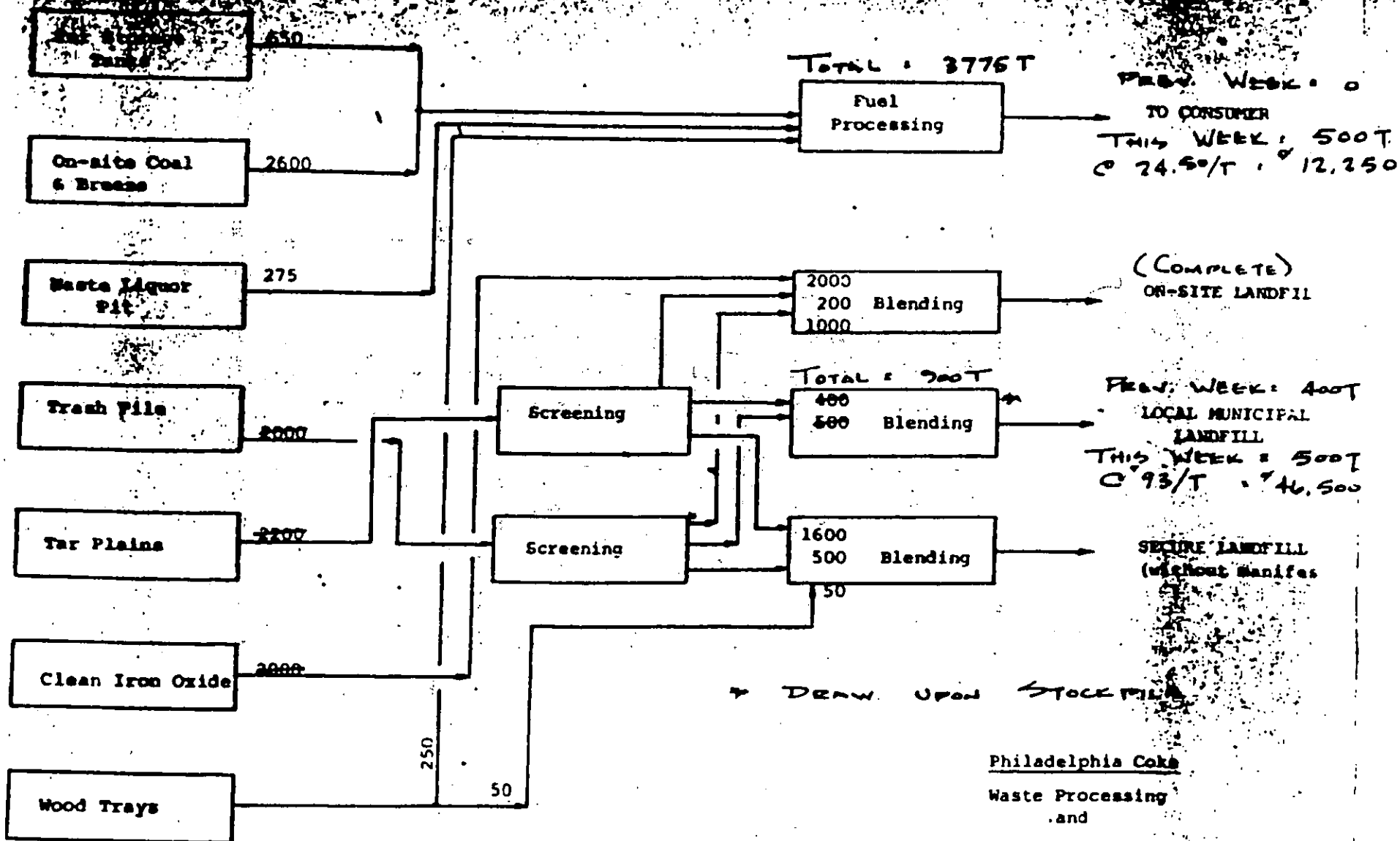
Disposal
 4/15/83

CASH FLOW / ENDING

Revised 5/1/83

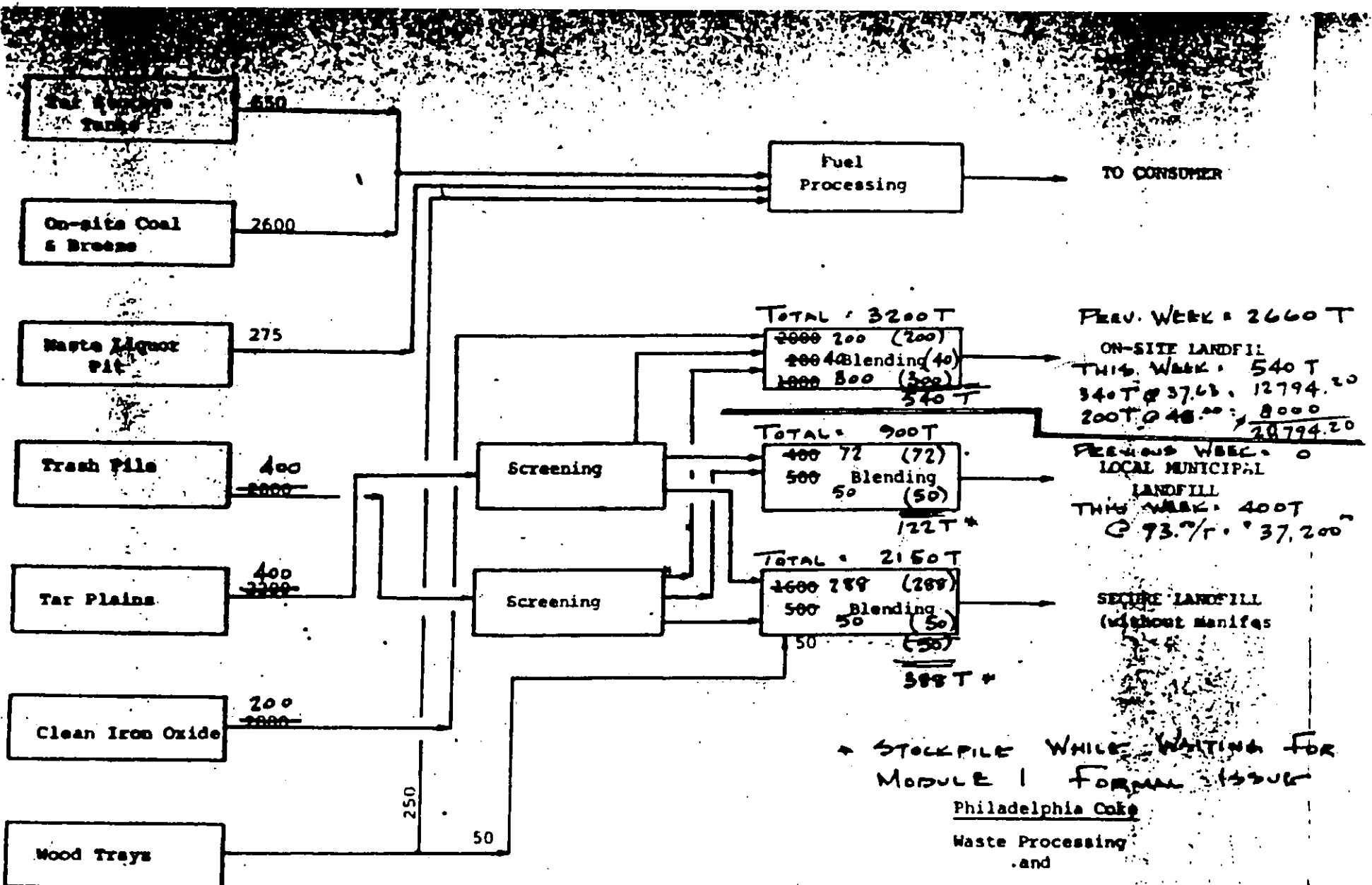
KIPIN INDUSTRIES

24/24/83 750



Philadelphia Coke
Waste Processing
and

Disposal
4/15/83
CASH FLOW / ...
Revised 5/1/83



PREV. WEEK = 2660 T
 ON-SITE LANDFILL
 THIS WEEK = 540 T
 340 T @ 37.63 = 12794.20
 200 T @ 40.00 = 8000
 20794.20

PREVIOUS WEEK'S
 LOCAL MUNICIPAL
 LANDFILL
 THIS WEEK = 400 T
 @ 93.7/r = 37,200

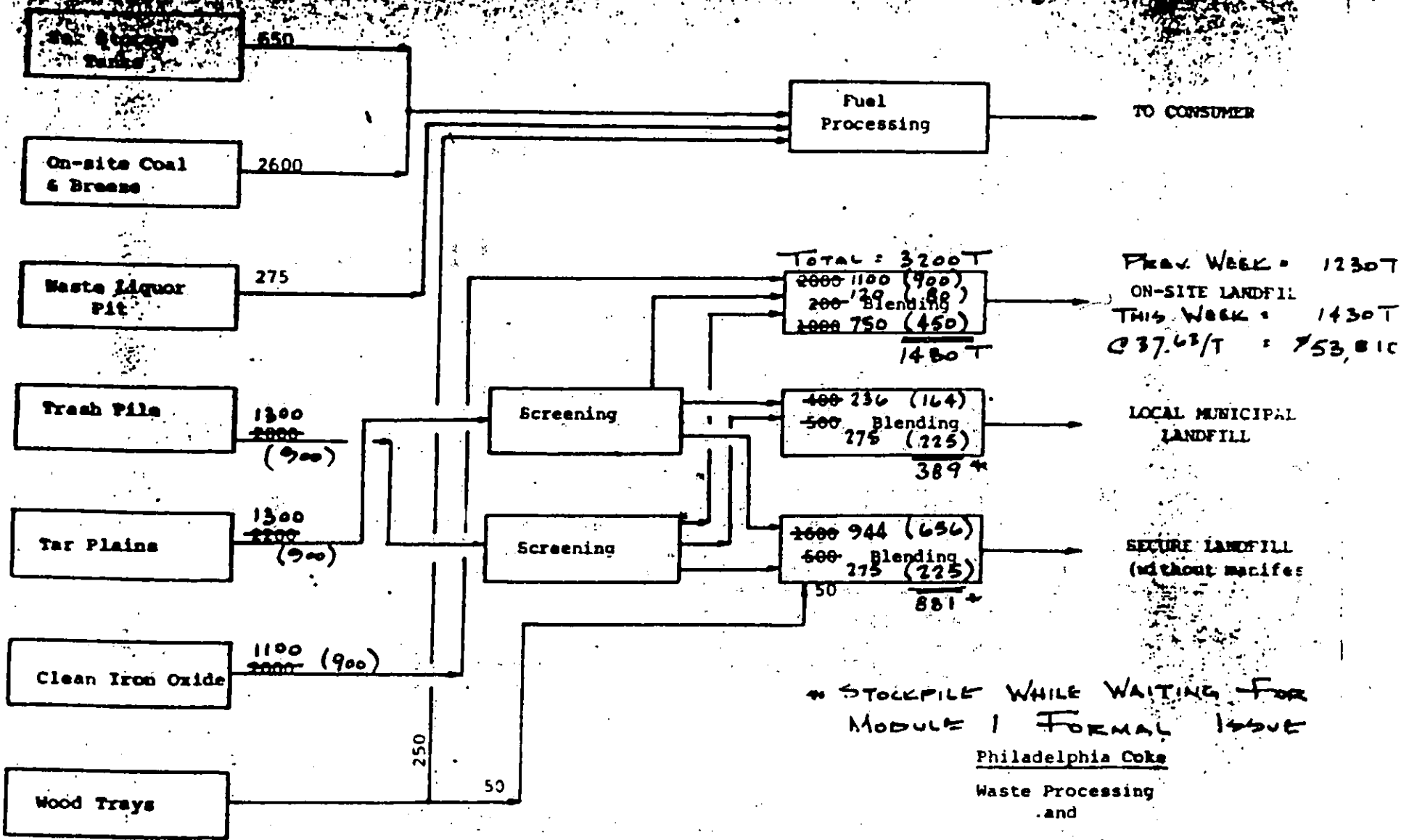
STOCKPILE WHILE WAITING FOR
 MODULE 1 FORMAL ISSUE
 Philadelphia Coke

Waste Processing
 and

Disposal
 4/15/83

CASH FLOW / ENDING

Revised 3/22/83
 27,994.20
 27,994.20



PREV. WEEK = 1230T
 ON-SITE LANDFILL
 THIS WEEK = 1430T
 @ 37.63/T = 753,81C

STOCKPILE WHILE WAITING FOR
 MODULE 1 FORMAL ISSUE

Philadelphia Coke

Waste Processing
 and

Disposal
 4/15/83

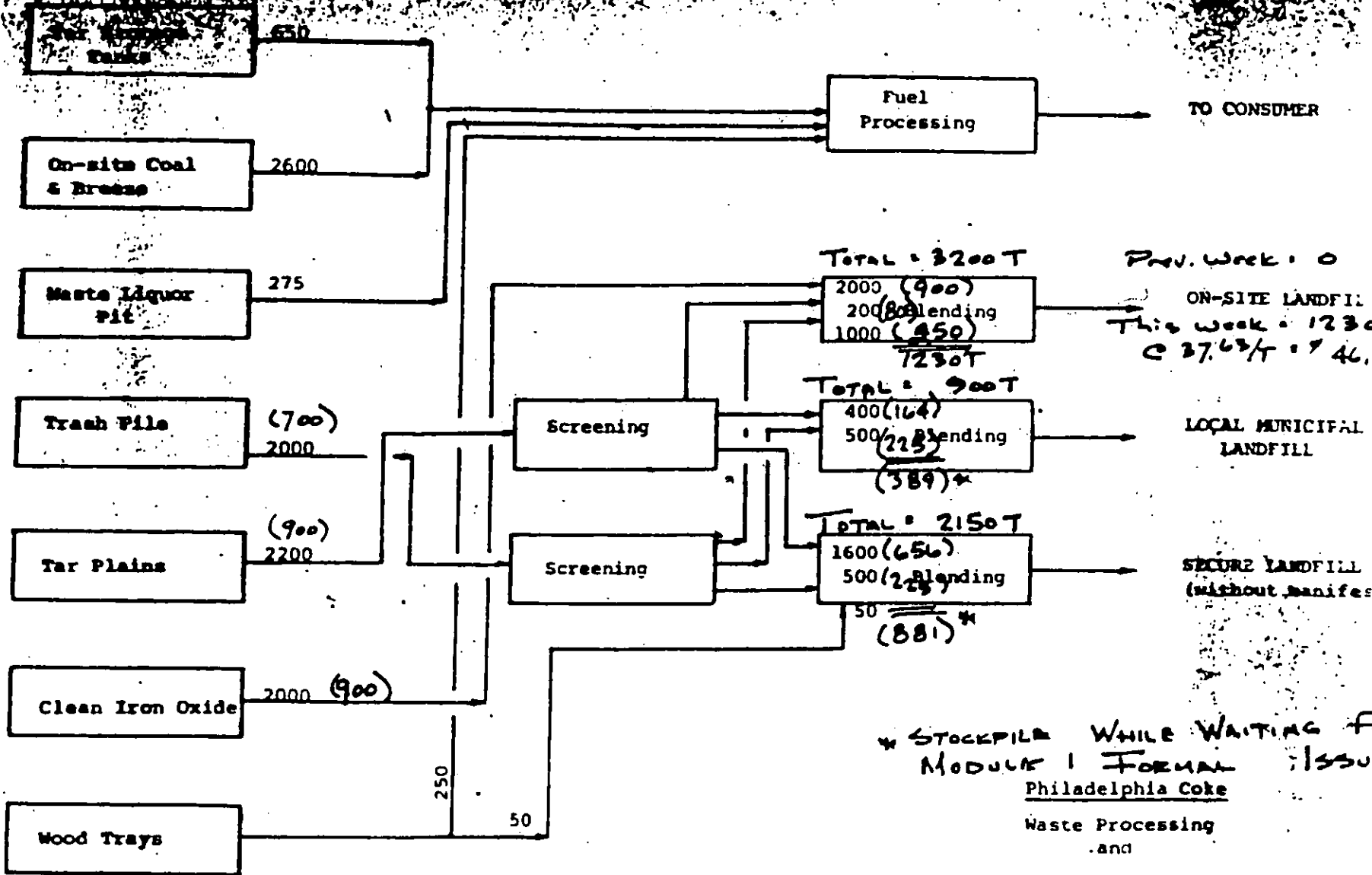
CASH FLOW / ENDING
 7/15/83

Revised 5/11/83

Revised 3/1/83

ELPH INDUSTRIES

1000



Total = 3200 T

Prev. Week: 0

2000 (900)
200 (80) Blending
1000 (450)
3200 T

ON-SITE LANDFILL
This week = 1230 T
@ 37.63/T = 46,284.90

Total = 900 T

400 (164)
500 (225) Blending
900 T
(389)*

LOCAL MUNICIPAL LANDFILL

Total = 2150 T

1600 (656)
500 (225) Blending
2150 T
50 (881)*

SECURE LANDFILL
(without banifes)

* STOCKPILE WHILE WAITING FOR
MODULE 1 FORMAL ISSUE
Philadelphia Coke

Waste Processing
and

Disposal
4/15/83

CASH FLOW / 7.16.83

Revised 5/1/83

ENDING

284.90

Agreement on the day and year first above written.

[Corporate Seal]

Attest: (S)

Title: _____

PHILADELPHIA COKE CO., INC.

By: James L. Hagelstrom

Title: VP - Operations

[Corporate Seal]

Attest: E. A. Caserta

Title: CONTROLLER

KIPIN INDUSTRIES, INC.

By: [Signature]

Title: [Signature]

constitute a waiver of such rights or of any other rights hereunder.

(b) All notices, consents and other communications provided for herein shall be validly given if in writing and delivered personally or sent by certified or registered first class mail, return receipt requested, postage prepaid, addressed as set forth below. Notices, consents and other communications hereunder shall be deemed given when received.

(i) If to Philadelphia Coke:

Mr. James L. Hogeboom, Vice President
Philadelphia Coke Co., Inc.
4501 Richmond Street
Philadelphia, Pennsylvania 19137

(ii) If to Contractor:

Mr. Peter Kipin, President
Kipin Industries, Inc.
3000 Casteel Drive
Coraopolis, Pennsylvania 15108

Section 7.7. Entire Agreement. This document represents the entire agreement and understanding of the parties with respect to the subject matter hereof, and supersedes all prior agreements and understandings of the parties, including any bids or solicitations for bids. This Agreement shall not be altered or amended except by an agreement in writing executed by the party to be bound.

IN WITNESS WHEREOF, the parties have executed this

successors and assigns as a result of, or in connection with the performance or non-performance of this Agreement and the work contemplated hereby.

Section 7.2. Assignment, Binding Effect. This Agreement may not be assigned by the Contractor without the prior written consent of Philadelphia Coke. This Agreement shall be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns.

Section 7.3. Survival of Covenants. Expiration or termination of this Agreement shall not terminate Section 7.1 hereof or any rights or obligations thereunder, and such rights and obligations shall survive indefinitely.

Section 7.4. Governing Law. This Agreement shall be governed by and interpreted in accordance with the laws of the Commonwealth of Pennsylvania, except to the extent it specifically incorporates or refers to other law.

Section 7.5. Headings. The headings of Sections of this Agreement are for convenience only, they form no part hereof and shall not affect the interpretation of this Agreement.

Section 7.6. Waivers and Notices. (a) Any term or condition of this Agreement may be waived at any time by a written instrument by the party entitled to the benefits thereof or an authorized officer of such party. No delay or failure on the part of either party in exercising any rights hereunder and no partial or single exercise thereof, will

\$45.00 per cubic yard for amounts in excess of 3,500 cubic yards.

Section 6.4. Payment of Invoices. Invoices shall be submitted weekly for work performed during the preceding week, accompanied by related bills of lading, manifests and any other supporting documents evidencing disposal of Wastes in accordance with this Agreement. Subject to a retainage of 10% until performance hereunder is satisfactorily completed, invoices shall be payable ¹⁵ ~~30~~ days after their submission with the documents described above.

Handwritten initials and date: JJK 7/6/8

Article VII

Miscellaneous Terms

Section 7.1. Indemnification. Contractor covenants and agrees to protect, indemnify and save harmless Philadelphia Coke, its parent, employees, agents, servants, officers, directors, successors and assigns from and against any and all liability, loss and expense, including, without limitation, civil and/or criminal penalties, fines, judgments, settlements, legal fees and expenses, arising out of or incurred in connection with the performance of this Agreement or as a result of non-performance of this Agreement in accordance with each of its terms, including but not limited to, liability, loss and expense resulting from, or incurred in connection with, any act or omission by subcontractors hired by Contractor or any and all claims, demands, and suits that may be brought against Philadelphia Coke, its parent employees, agents, servants, officers, directors

(b) Local Landfill Disposal (refer to Waste Flow Diagram) - The materials to be hauled to the Local Landfill shall conform to the Module I approved by the Local Landfill and the Pennsylvania Department of Environmental Resources. For all such materials transported to the Local Landfill, Contractor shall be paid at the rate of \$93 per cubic yard for the first 900 cubic yards, and \$98 per cubic yard above that amount.

(c) Secure Landfill Disposal (refer to Waste Flow Diagram) - The materials to be hauled to a Secure Landfill shall conform to the Module I approved by such Secure Landfill and the Pennsylvania Department of Environmental Resources. For all such materials transported to a Secure Landfill, Contractor shall be paid at the rate of

\$145 per cubic yard for the first 1,500 cubic yards;

\$140 per cubic yards for the next 500 cubic yards; and

\$105 per cubic yard for amounts in excess of 2,000 cubic yards.

(d) On-Site Disposal (refer to Waste Flow Diagram) - The materials to be disposed on-site shall be clean debris free of hazardous materials and as described in the Closure Plan. For all such materials disposed of on-site, Contractor shall be paid at the rate of

\$37.63 per cubic yard for the first 3,000 cubic yards;

\$40.00 per cubic yard for the next 500 cubic yards; and

Article VI

Payment

Section 6.1. Basis of Payments. Each movement of Waste, whether on-site or off-site, shall be accompanied by a bill of lading showing the type of material (sufficiently described to relate to the Waste Flow Diagram) and amount thereof. Such bills of lading shall be the basis for payments to Contractor under this Agreement. In calculating amounts of material, a cubic yard of Waste shall be deemed equal to one ton, and all weights shall be certified scale weights.

Section 6.2. Start-up Advance. Philadelphia Coke shall pay Contractor an initial advance of \$25,000, which shall be credited against amounts due on the invoices to be rendered as hereinafter provided.

Section 6.3. Payments by Manner of Disposition. The amounts of payments to Contractor shall be determined as follows:

(a) Fuel Processing (refer to Waste Flow Diagram) - The fuel blend shall consist of 68-72% coal fines and coke breeze supplied by Philadelphia Coke and 28-32% tar decanter waste, wood trays or other similar material from the Trash Pile and/or Tar Plains. For all material shipped off-site as a fuel blend; Contractor shall be paid at the rate of \$24.22 per cubic yard for the first 3,775 cubic yards, and \$26 per cubic yard above that amount.

Article V

Representations and Warranties

Section 5.1. Rules and Regulations. Contractor represents and warrants that it is familiar with the provisions of the Federal Occupational Safety and Health Act, the Federal Toxic Substances Control Act, the Federal Resource Conservation and Recovery Act, and the Pennsylvania Solid Waste Management Act, as amended from time to time, and all rules and regulations promulgated thereunder. Such statutes, rules and regulations, to the extent they impose duties, responsibilities or obligations on the Contractor in the performance of this Agreement, by their own terms or by the operation of this Agreement, are hereby specifically incorporated herein by reference and made a part of this Agreement.

Section 5.2. Licenses and Approvals. Contractor represents and warrants that it has, and that any subcontractor hired by it shall have when so hired, all identification numbers, licenses, permits, governmental and other approvals as may be necessary or appropriate to carry out its duties under this Agreement, and Contractor shall provide copies of documents evidencing such approvals to Philadelphia Coke upon request.

during the life of this Agreement, which are applicable to any portion of the duties to be performed by Contractor under this Agreement.

Section 3.12. Alternative Disposal Site. In the event that a facility herein designated for disposal of the Wastes cannot or does not accept the Wastes, or any portion thereof, for disposal, Contractor agrees to transport and deliver the Wastes to a suitable landfill licensed to receive these wastes only upon prior notification to Philadelphia Coke, delivery to Philadelphia Coke of evidence satisfactory to Philadelphia Coke that the proposed landfill has all necessary permits and approvals to enable it to accept the Wastes for disposal, and delivery to Philadelphia Coke of evidence satisfactory to Philadelphia Coke that the Contractor or any subcontractor has all necessary licenses and approvals to enable it to transport the Wastes to the disposal facility.

Article IV

Duties of Philadelphia Coke

Section 4.1. Electricity and Water. Philadelphia Coke shall provide, at its expense, such reasonable quantities of electricity and water as may reasonably be required by Contractor to perform its duties under Article III of this Agreement.

Section 4.2. Guard Service. Philadelphia Coke shall provide, at its expense, such guard service with respect to the Wastes as it deems appropriate.

notification, and shall immediately take all appropriate action to protect the health and safety of the public and the environment, and shall bear all costs and expenses incurred for remedial action, including all costs and expenses incurred by or charged to Philadelphia Coke, in connection with any such discharge, spill or release. Contractor shall immediately notify Philadelphia Coke of any discharge, spill or release and of the action taken by Contractor to prevent any threatened damage, injury or loss.

Section 3.11. Additional Responsibilities of Contractor. In addition to the duties specified in this Article III, Contractor shall, at its sole expense:

(a) provide a mobile office trailer and a decontamination/storage trailer.

(b) provide all heavy equipment other than lifting necessary to perform the duties specified in this Article III, including, but not limited to, such of the following as may be required: front end loaders, bulk transport trucks, tractor trailer trucks, rail cars, pumps, drums, personal protective equipment for employees, in-line breathing air respirator system for closed vessel entry, explosimeter, tools and other specialized equipment;

(c) prepare all required manifests in a manner satisfactory to Philadelphia Coke, keep detailed records (including a daily log) and provide copies of such manifests and records to Philadelphia Coke;

working day" shall be any day other than a Saturday, Sunday or legal holiday on which the weather is determined by Philadelphia Coke to be suitable for removal of the Wastes.

(b) Contractor recognizes that time is of the essence for purposes of this Agreement. If for any reason Contractor does not complete its performance hereunder within the time period specified in (a) above, Philadelphia Coke shall have the right to hire another contractor to complete such performance, all additional costs and expenses of such hiring to be born by the Contractor hereunder.

Section 3.9. Evidence of Completion and Compliance. Contractor shall deliver evidence satisfactory to Philadelphia Coke of the final disposal of the Wastes in accordance with this Agreement. Where disposal is at a landfill, such evidence shall include proof of disposal at a permitted landfill, by proper landfill methods approved by the Environmental Protection Agency and the Pennsylvania Department of Environmental Resources. Contractor shall deliver to Philadelphia Coke adequate evidence of the completion and proper disposition of all manifests and other reports and documents required by state, federal or local statutes, rules or regulations governing the removal, transportation, storage, and disposal of the Wastes.

Section 3.10. Spill or Discharge. In the event of any discharge, spill or release of any of the Wastes, Contractor shall be responsible for notifying any governmental agencies and other persons that require such

Environmental Protection Agency and the Pennsylvania Department of Environmental Resources.

Section 3.5. Weighing. Contractor shall weigh each load of the Wastes after it is removed from Philadelphia Coke's Richmond Street plant at a mutually acceptable certified scale and shall enter such weight on the bill of lading or manifest. The certified weight shall determine conclusively the payments provided for under Article VI hereof.

Section 3.6. Transportation. In transporting the Wastes, either in drums or in bulk, to the facilities referred to on the Waste Flow Diagram, Contractor shall comply with all applicable federal, state and local statutes, rules and regulations, including, but not limited to, the rules and regulations of the Federal and Pennsylvania Departments of Transportation, the Environmental Protection Agency and the Pennsylvania Department of Environmental Resources within the time period specified below. Contractor shall not transport or store any material other than these Wastes in any vehicle or container then being used to transport or store these Wastes.

Section 3.7. Performance. Contractor covenants to perform all work in a careful and diligent manner.

Section 3.8. Time Period. (a) Contractor shall complete its duties under this Article III within 80 weather working days (as hereinafter defined) after the date of this Agreement. For purposes of this Agreement, a "weather

Section 3.2. Compliance With Law. Contractor shall ensure that conditions on the work site and the performance hereunder of the duties of the Contractor and any subcontractor shall comply in all respects with applicable federal, state and local statutes, rules and regulations, including, but not limited to, the Federal Occupational Safety and Health Act, the Federal Toxic Substances Control Act, the Resource Conservation and Recovery Act and the Pennsylvania Solid Waste Management Act, as amended from time to time, and all rules and regulations promulgated thereunder; and Contractor indemnifies Philadelphia Coke and shall hold it harmless from the consequences of any failure to so comply.

Section 3.3. Labelling. Contractor shall label the Wastes and any containers and vehicles used to transport, store or transfer such Wastes, in compliance with all applicable federal, state and local statutes, rules and regulations, including, but not limited to, the rules and regulations of the Federal and Pennsylvania Departments of Transportation, the Environmental Protection Agency and the Pennsylvania Department of Environmental Resources.

Section 3.4. Packaging. Contractor shall package the Wastes in compliance with all applicable federal, state and local statutes, rules and regulations, including, but not limited to, the rules and regulations of the Federal and Pennsylvania Departments of Transportation, the

"Secure Landfill" - Either
Kelly Run Sanitation, Inc.
Route 51
Elizabeth, PA 15037

(PAD 004 810 222) (HWT License PA - AH 0054)

or

Municipal & Industrial Disposal Co.
William Fiore, Proprietor
135 North State Street
Clairton, PA 15025

(PAD 000 436 014) (HWT License PA - AH 0186)

Article II

Engagement and Acceptance

Section 2.1. Engagement. Philadelphia Coke hereby engages Contractor to remove and dispose of the Wastes on the terms and conditions set forth herein.

Section 2.2. Acceptance. Contractor hereby accepts the engagement of Philadelphia Coke to remove and dispose of the Wastes on the terms and conditions set forth herein.

Article III

Duties of Contractor

Section 3.1. Contractor shall dispose of all the Wastes located at Philadelphia Coke's Richmond Street plant within the time period specified below. The Wastes shall be segregated and disposed of in accordance with the Closure Plan, Table 3-1 (Items 1-6) and the Waste Flow Diagram.

Article I

Identification of Parties

Section 1.1. Contractor. The word "Contractor," wherever that word appears herein, shall mean Kipin Industries, Inc. and unless otherwise clearly indicated by the context, includes all of its employees, agents, servants, officers, directors and contractors, and with respect to performance of services hereunder specifically includes any and all subcontractors and their employees, agents, servants, officers and directors.

Section 1.2. Transporter. Contractor shall use a licensed hazardous waste transporter to transport any hazardous materials included in the Wastes as provided herein.

Section 1.3. Disposers. Contractor shall dispose of the Wastes in accordance with the terms of the Closure Plan and the Waste Flow Diagram identified therein as "Figure 3-1 Waste Processing Material Balance" (hereinafter "Waste Flow Diagram"). Unless Philadelphia Coke agrees in writing otherwise, the landfills referred to on the Waste Flow Diagram shall be:

"Local Landfill" -
Boyertown Sanitary Disposal Co.
300 Merkel Road
Gilbertsville, PA 19525

(PAD 048 603 005) (HWT License PA - AH 0113)

AGREEMENT

Agreement made this 6th day of July, 1983,
by and between Philadelphia Coke Co., Inc., a Delaware cor-
poration ("Philadelphia Coke"), and Kipin Industries, Inc.,
a Pennsylvania corporation (the "Contractor").

Background

Philadelphia Coke has on its property at
4501 Richmond Street, Philadelphia, Pennsylvania, certain
waste materials, including certain tar residues that may be
defined as "hazardous" under regulations of certain state
and federal regulatory agencies. The waste materials, here-
inafter collectively referred to as the "Wastes," are de-
scribed in Table 3-1 (Items 1-6) of the Closure Plan of
Philadelphia Coke, prepared by Roy F. Weston, Inc., and dat-
ed May 1983 (the "Closure Plan"), a copy of which is annexed
hereto as Exhibit A. Pursuant to a solicitation of bids
from contractors by Philadelphia Coke for the removal of the
Wastes, Contractor submitted a proposal. Philadelphia Coke
desires to accept Contractor's bid on the terms and con-
ditions set forth below:

NOW, THEREFORE, in consideration of the mutual
covenants set forth below, and intending to be legally
bound, the parties hereby agree as follows:



KIPIN INDUSTRIES, INC.

3000 CASTEEL DRIVE, CORAOPOLIS, PENNSYLVANIA 15108

412/787-1411

May 10, 1983

Philadelphia Coke Company, Inc.
4501 Richmond Street
Philadelphia, Pennsylvania 19137

Attention: Mr. James L. Hogeboom,
Vice President, Operations

Subject: Waste Cleaning and Disposal
Our Proposal #K0333, Supplement #2

Dear Mr. Hogeboom:

Pursuant to our site visit on May 3, 1983, we are supplementing our proposal of May 10, 1983 in the applicable paragraphs as follows:

Paragraph 2.2 -- TAR PLAINS (Estimated 2200 cu.yd)

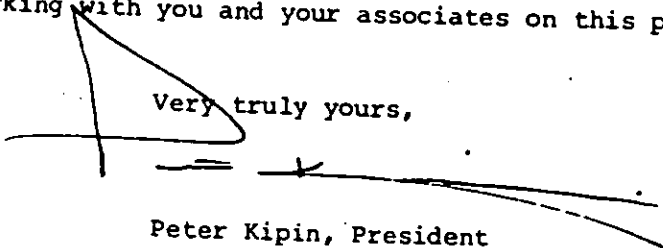
2.6 Spent Oxide - All material is gone

2.7 Clean Oxide - (Estimated 2000 cu.yd.)

The attached scope/cost sheets reflect these changes.

We look forward to working with you and your associates on this project.

Very truly yours,



Peter Kipin, President

PK/dd

Enclosure

2.11 Hazardous Refuse

No hazardous refuse is expected to be found; however, any questionable material would be processed with the tar plains material for hauling to a certified landfill.

2.12 Miscellaneous Materials

During the course of the clean-up, there may be materials discovered which have not been previously expected or known of. A joint on-site decision will be made to determine the appropriate removal method and disposal means.

2.13 Coal/Coke

Gather all coal/coke under conveyors, bins, piles, etc. for processing with waste.

3.0 SCOPE OF WORK - PHILADELPHIA COKE COMPANY

- LIABILITY FOR
CONTRACTS
EQUIPMENT*
- 3.1 Furnish power as required
 - 3.2 Furnish coal fines and/or coke breeze for processing with tar wastes.
 - 3.3 Furnish shower & sanitary facilities.
 - 3.4 Furnish any cutting, burning, lifting or demolition services.
 - 3.5 Furnish any required guard service.

4.0 COST

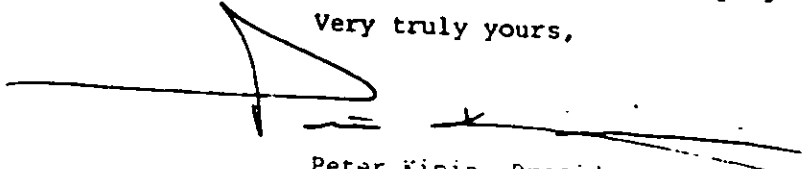
- 4.1 Cost for work performed will be as shown in the attached scope/cost sheet.
- 4.2 Where required and directed by Philadelphia Coke for work not specified, work will be on a time and material basis as per the attached rate sheets.
- 4.3 For any delays caused by Philadelphia Coke which prevent progress of our work, a stand-by rate of \$100/hour maximum, 8 hours per day, will be levied.

5.0 TERMS

Mobilization cost of \$25,000 payable with purchase order and deductible at 15% from each billing. Billing will be bi-weekly, based on work progress, net due upon receipt of invoices.

We look forward to working with you and your associates on this important project.

Very truly yours,


Peter Kipin, President

PK/dd

Enclosures

2200
2.4 Tar Plains (Estimated ~~30~~ cu.yd)

This area consists of a variety of debris and tars. We will screen the debris to remove those materials which can be placed in an area or on-site landfilled. The balance will be removed and blended together to form a consistent homogenous mixture which would be placed in a secure landfill.

2.5 Napthalene - Final Cooler Sumps/Cooling Fan Sumps (Est. 40 cu.yd)

Remove the napthalene from the sumps and process with on site coal/coke breeze. The finished product is to be hauled to a fuel consumer for use as fuel.

ALL MATERIAL IS GOSE
2.6 Spent Oxide (Estimated ~~30,000~~ bushels or 1380 cu.yd)

Remove and process spent oxide to the maximum permissible with coal. Balance is to be blended with hazardous refuse defined below for off-site disposal.

2.7 Clean Oxide (Estimated ~~1000~~ cu.yd)

Remove and blend with clean refuse for on-site disposal.

2.8 Oil Contaminated Dirt (Not determined)

This will still require a site review to determine the amount if any. If found, it can be blended with the hazardous or non-hazardous refuse for disposal.

2.9 Wood Trays

Approximately 300 cu.yds of wood trays to be ground into sawdust and processed with coal or other debris.

2.10 Non-Hazardous Refuse (2000 cu.yd)

There are a couple thousand yards of refuse consisting of rock, brick, concrete pieces, wood, dirt and miscellaneous demolition materials which can fall into two (2) categories of disposal:

- a) On-site Disposal -- This is clean material, primarily concrete, brick, stone, pipe and wood which can be placed into the emptied existing coal pond.
- b) Off-site Municipal Landfill -- This is non-hazardous material of dirt, stone, cans, hoses, etc. which is clear of sludge, oils or hazardous contaminants. This would be hauled to an area landfill.

The material of either category would be screened and segregated into two piles: Those going to the on-site pond will be loaded onto dump trucks then hauled and dumped. At this point there would be no reason or desire to compact this material. Leveling to maintain the existing grade would be done. The material going to the selected area landfill will be hauled in coal triaxles or trailers



KIPIN INDUSTRIES, INC.

5000 CASTEEL DRIVE, CORAOPOLIS, PENNSYLVANIA 15108

412/787-1411

April 16, 1983

Philadelphia Coke Company Inc.
4501 Richmond Street
Philadelphia, Pennsylvania 19137

Attention: Mr. James L. Hogeboom,
Vice President - Operations

Subject: Waste Cleaning and Disposal
Our Proposal #K0333, Supplement #1

Dear Mr. Hogeboom:

Pursuant to our site visit on April 16, 1983, we are supplementing our original proposal of July 19, 1982 as follows:

1.0 GENERAL

- 1.1 Philadelphia Coke has sufficient quantities of coal and coke breeze on-site for processing of the waste. These are in various locations on-site; all material is available other than two piles - 1) Approximately 5000 tons of 1" x 3" coke, 2) Approximately 3000 tons of coal sold to a paper company.
- 1.2 Included in this proposal will be segregation of waste piles and debris to permit on site disposal, or local landfilling.

2.0 SCOPE OF WORK -

- 2.1 Furnish all labor, equipment, tools, chemicals and supervision to perform the following work.

- 2.2 Tar Tanks (Estimate 650 cu.yd)

Remove the tar and process it with on site coal/coke breeze. The finished product is to be hauled to a fuel consumer for use as a fuel. *VP-207-9750?*

- 2.3 Tar Tank Pipe Pits (Estimate 20 cu.yd)

Remove the tar from the pipe pits in front of the tank, process and haul to consumers

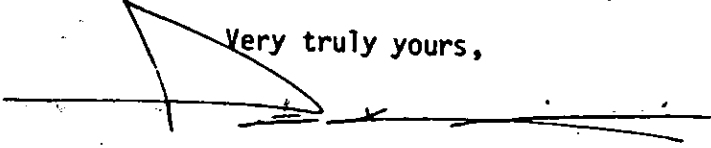
6.0 QUALIFICATIONS

World Pipe Service Company and it's parent company, Kipin Industries, Inc., have been cleaning tar tanks, tar decanters, liquor lines, coke gas lines and tar barges for many years in virtually every steel mill.

Our Waste-to-Fuel process is approved by both state and federal agencies, relieving the generator of all liabilities.

We thank you for the opportunity to present this proposal.

Very truly yours,



Peter Kipin, President

PK/dd

Enclosure

3.0 SCOPE OF WORK - PENNSYLVANIA COKE COMPANY, INC.

- 3.1 Furnish power as required
- 3.2 Furnish coal fines or coke breeze - $\frac{1}{4}$ x 0 in proportion of 3 parts of coal or fines to 1 part of waste. Alternately WPSC will furnish this.
- 3.3 Furnish shower and sanitary facilities
- 3.4 Furnish any cutting, burning, lifting or demolition services except as directed to WPSC
- 3.5 Furnish guard service.

4.0 COST

4.1 Pennsylvania Coke will:

Furnish coal or coal screened to the WPSC unit
Open tanks, etc. and provide waste to the WPSC unit \$67.00/cu yd

World Pipe Service will provide all necessary chemicals,
labor and transportation to mix and dispose of the product.

4.2 Pennsylvania Coke will:

Furnish coal or coke

World Pipe Service Co. will gather/screen the coke
and will process the waste \$78.00/cu yd

4.3 World Pipe Service Company will furnish all necessary
coal, gather and process the waste \$96.00/cu yd

4.4 Spent oxide processing into the product \$55.00/cu yd

4.5 Where required and as directed by Philadelphia Coke,
furnish labor and equipment for demolition, cutting
and burning Time & Material
per the attached
rate sheets

5.0 TERMS

Net payable upon receipt of invoices. Semi monthly billing based on work progress. Mobilization cost of \$30,000 payable with the purchase order. Deduct 10% from each billing until dollars are returned.

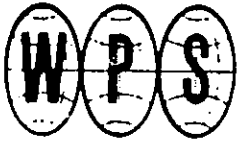
One (1) 500,000 gallon tank

One (1) 250,000 gallon tank

Total volume of bottoms is approximately 130,000 gallons (645 cu yd)

- 2.3 Remove tar and process from the tar decanter pits and under the decanters.
Estimated volume is 1,800 cu yds
- 2.4 Remove tar and process from the tar decanters which consist of two (2) decanters. Each decanter having two (2) compartments. Each compartment is approximately one half full.
Estimated volume is unknown.
- 2.5 Remove tar from the pipe pits in front of the tar tank, and process.
Estimated volume is unknown.
- 2.6 Remove tar from the gas holder and process.
Estimated volume is unknown.
- 2.7 Remove tar from the lagoon (Tar Plains) and process.
Estimated volume is 1,060 cu yds
- 2.8 Remove naphthalene from the final cooler sumps and cooling fan sumps, and process.
Estimated volume is 40 cu yds.
- 2.9 Process spent oxide to the maximum permissible in the process. Balance may require off site disposal if excessive.
Estimated volume is 60,000 bushels.
- 2.10 The following will require further investigation and review to determine cost and disposition
 - Lime pit -- Mixture of tar and other materials - Est. volume is 1800 cu yds
 - Refuse - Non hazardous - Miscellaneous material -- Est volume is 2000 cu yds
 - Oil Contaminated dirt -- Due to underground leak in the oil tank - vol. unknown
 - Miscellaneous Pipe & Equipment -- There is a variety of scrubbers, tanks, vessels & pipe which contain an assortment of wastes
 - Waste Liquor Sump -- Mixture of a variety of wastes - Est volume is 300 cu yd

July 19, 1982



**WORLD
PIPE
SERVICE
COMPANY**

Parkway West - Montour Run Exit
Casteel Drive
Coraopolis, Pennsylvania 15108
(412) 787-7527

Philadelphia Coke Co., Inc.
4501 Richmond Street
Philadelphia, PA 19137

Attention: Mr. James L Hogeboom,
Vice President of Operations

Subject: Waste cleaning and disposal.
Our Proposal # K0333

Dear Mr. Hogeboom:

Pursuant to our site visitation and discussions we propose to provide cleaning and waste disposal services as follows:

1.0 GENERAL

- 1.1 The list of wastes being considered are as shown on the attached list presented to us in your letter of July 2, 1982. The prime concern at present is for items 1,4, and 9. The balance will be processed second or as conditions dictate. It may be necessary to review and have further analysis on such items as oil contaminated dirt. It may also require further reviews with the Pa. D.E.R. on such items. As discussed at our last meeting, the Pa. D.E.R. may require such items as the coke gas lines and liquor lines to be included in the hazardous waste category.
- 1.2 It is desirable to utilize present Philadelphia Coke Co. personnel to prepare whatever work may be necessary to reduce costs. This is acceptable to World Pipe Service and it's personnel.
- 1.3 The Kipin Process of waste to fuel will be utilized on this project. Since there is quantities of coal and/or coke breeze available on site this will be utilized to it's fullest extent to reduce the volume to be brought on site.

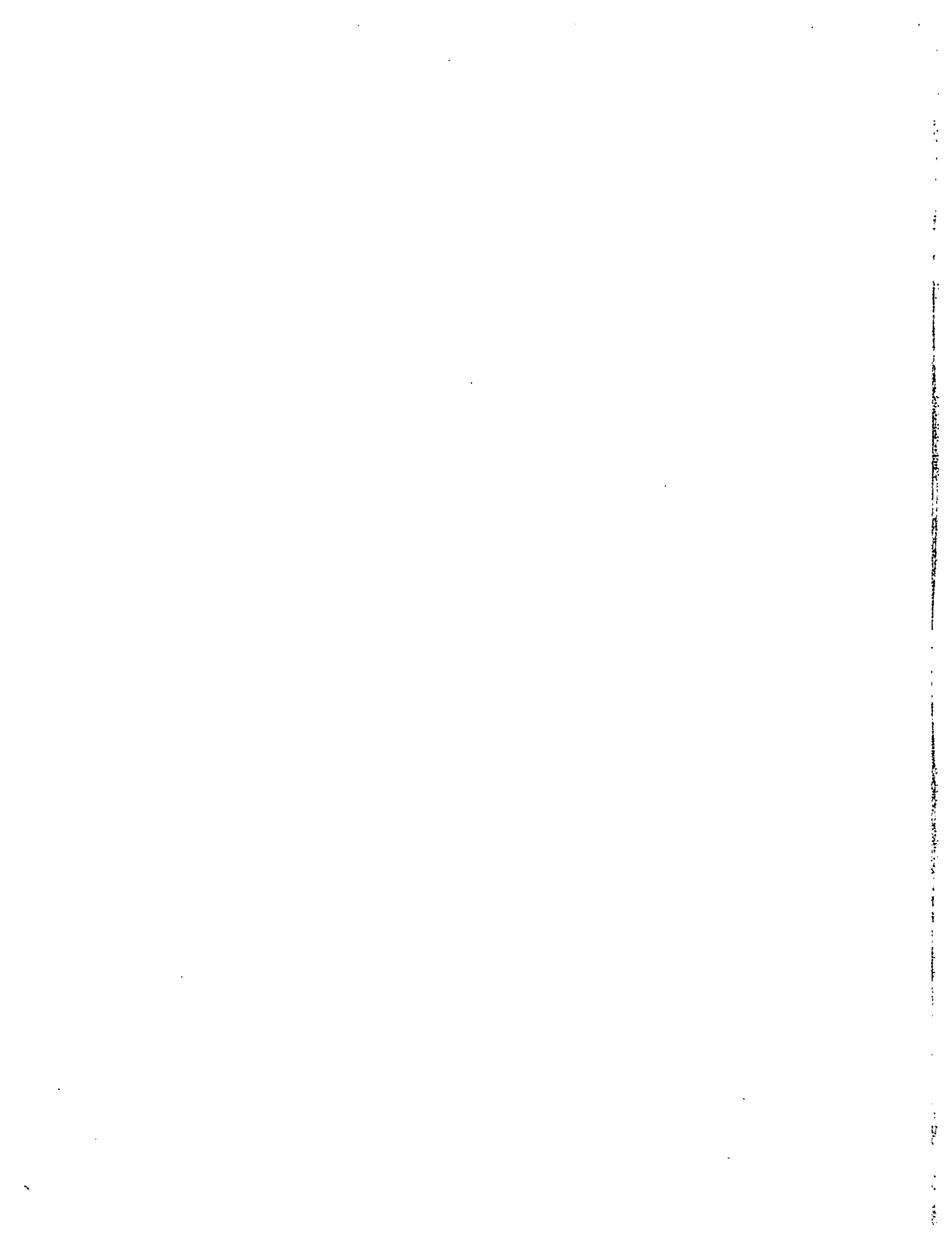
2.0 SCOPE OF WORK - WORLD PIPE SERVICE COMPANY

- 2.1 Furnish all labor, equipment, tools, chemicals and supervision except as defined as by owner.
- 2.2 Remove tar and process from the three (3) tar storage tanks as follows:

One - (1) 1,000,000 gallon tank

APPENDIX C-1

Summary of K087 Waste Disposal at ESOI



GENERATOR QUARTERLY HAZARDOUS WASTE REPORT

I. Your EPA I.D. No.

P A D 0 0 0 4 2 7 1 9 0 6

II. TSD Facility's EPA I.D. No.

O H D 0 4 5 2 4 3 7 0 6

TSD Facility's Name Envirosafe Services of Ohio, Inc.

Address 876 Otter Creek Road, Oregon, Ohio 43616

III. WASTE SHIPPED OFF-SITE

LINE NO	A. US DOT Proper Shipping Name of Waste and State Manifest Document Number (include State Abbreviation)	B. Hazardous Waste Number	C. Weight of Shipment and Unit of Measure (P-pounds, T-ton, K-kilograms, M-metric ton) DO NOT ENTER GALLONS	D. PA. Hazardous Waste Transport License	
				K	P
1	US DOT Description- RQ; Hazardous Waste Solid N.O.S. *; ORM-E; NA 9189 State Manifest Document Number - See Table 1	K 0 8 7	1,883 T (See Table 1)	A	H | 0 | 1
2	US DOT Description- RQ; Hazardous Waste Solid N.O.S. *; ORM-E; NA 9189 State Manifest Document Number - See Table 1	K 0 8 7	337 T (See Table 1)	A	H | 0 | 0
3	US DOT Description- RQ; Hazardous Waste Solid N.O.S.*; ORM-E; NA 9189 State Manifest Document Number - See Table 1	K 0 8 7	925 T (See Table 1)	A	H | 0 | 2
4	US DOT Description- RQ; Hazardous Waste Solid N.O.S.*; ORM-E; NA 9189 State Manifest Document Number - See Table 1	K 0 8 7	19.7 T (See Table 1)	A	H | |
5	US DOT Description- State Manifest Document Number -			A	H | |
6	US DOT Description- State Manifest Document Number -			A	H | |
7	US DOT Description- State Manifest Document Number -			A	H | |
8	US DOT Description- State Manifest Document Number -			A	H | |
9	US DOT Description- State Manifest Document Number -			A	H | |
10	US DOT Description- State Manifest Document Number -			A	H | |

E. Comments: *Soil contaminated with tar decanter sludge from coking operations.

55

QUARTERLY HAZARDOUS WASTE REPORT - GENERAL INFORMATION

I. This report is for the quarter ending (check one):

- March 31
 - June 30
 - September 30
 - December 31
- 19 88
Yr.

II. Your EPA I.D. Number

P	A	D	0	00	4	27	9	0	6
---	---	---	---	----	---	----	---	---	---

III. Check this block, if there is nothing to report this quarter.

IV. Name of Installation Philadelphia Coke Company

V. Mailing Address 4501 Richmond Street

Philadelphia, PA 19137

VI. Location Address 2900 Orthodox Street

Philadelphia, PA

If within PA, Philadelphia

(Name of Municipality)

- City
- Borough
- Township

(Check one)

Philadelphia

COUNTY

VII. Contact Person James V. Husted

Phone No. 215 - 825 - 3000

(Area Code)

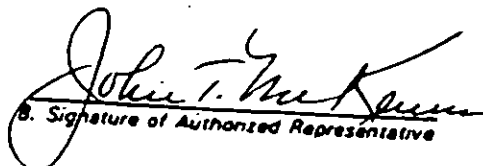
VIII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

John T. McKenna

A. Print or Type Name



B. Signature of Authorized Representative

11/9/88

C. Date Signed

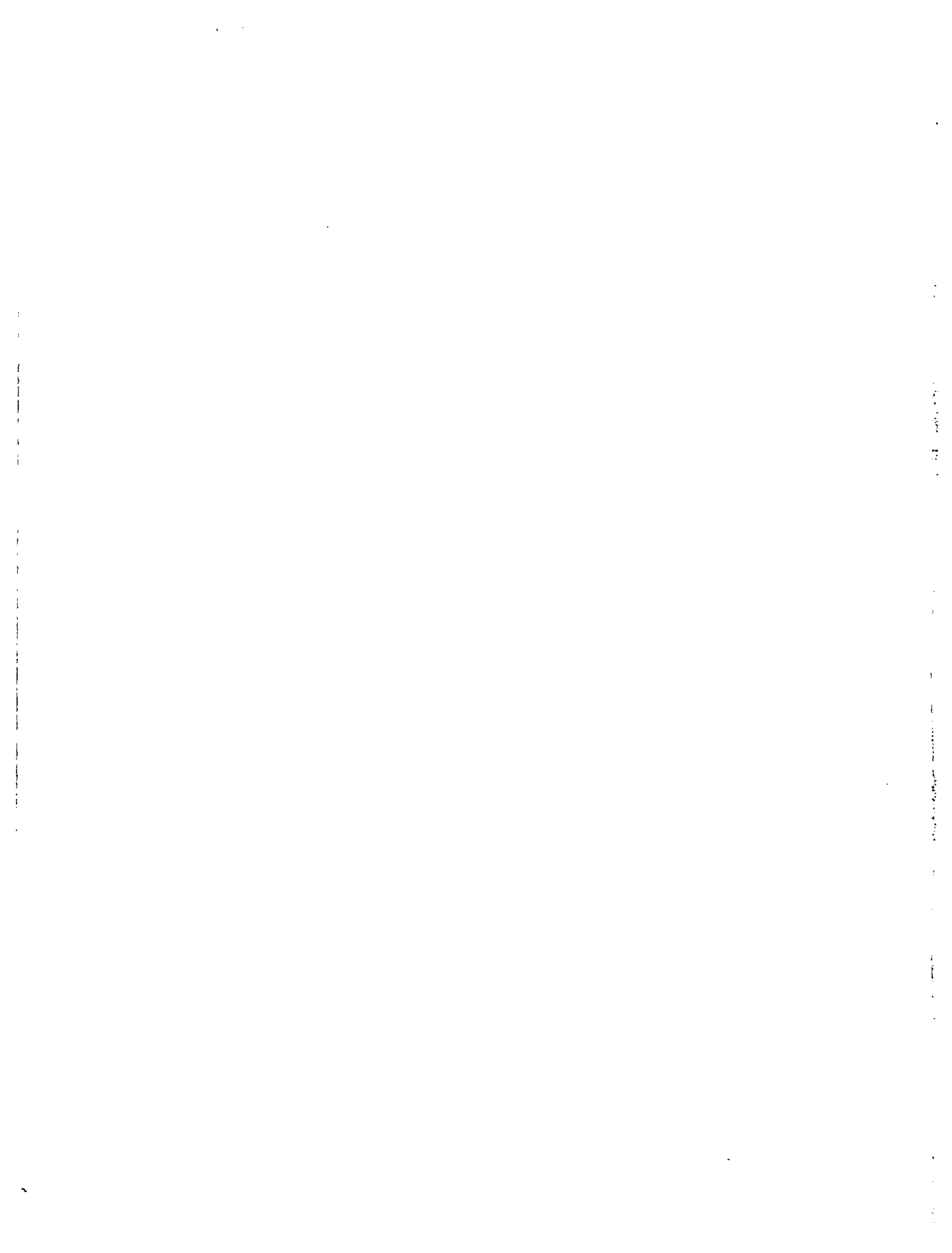


TABLE 1

PHILADELPHIA COKE COMPANY
SOIL MANIFEST SUMMARY - THIRD QUARTER 1988

Manifest Document No.		Date	Weight (tons)	Transporter	
I.D. No.	State*			Name	I.D. No.
1	5770634	7/19/88	30.55	Vanguard	0107
2	5770645	7/19/88	29.42	Vanguard	0107
3	5770682	7/20/88	26.21	Vanguard	0107
4	5770671	7/20/88	32.05	Vanguard	0107
5	5770660	7/20/88	27.71	Vanguard	0107
6	5770656	7/20/88	25.41	Vanguard	0107
7	5770763	7/20/88	28.84	Pfrommer	0042
8	5770752	7/20/88	26.21	Pfrommer	0042
9	5770796	7/20/88	29.39	Pfrommer	0042
10	5770785	7/20/88	25.34	Pfrommer	0042
11	5770774	7/20/88	24.16	Pfrommer	0042
11A	5723233	7/25/88	25.00	Vanguard	0107
12	5770811	7/25/88	26.52	Vanguard	0107
13	5770833	7/25/88	26.66	Vanguard	0107
14	5770822	7/25/88	26.01	Vanguard	0107
15	5770693	7/25/88	30.08	Vanguard	0107
16	5770800	7/25/88	23.49	Vanguard	0107
17	5770704	7/25/88	31.27	Vanguard	0107
18	5723244	7/25/88	26.07	Vanguard	0107
19**	5723233	7/25/88	24.49	Vanguard	0107
19	5723071	7/27/88	27.38	Vanguard	0107
20	5723104	7/27/88	27.34	Vanguard	0107
21	5723093	7/27/88	27.85	Vanguard	0107
22	5723115	7/27/88	28.45	Vanguard	0107
23	5723126	7/27/88	24.23	Vanguard	0107
24	5723163	7/27/88	25.17	Vanguard	0107
25	5723056	7/28/88	19.69	Envirosafe	B251
26	5724504	7/28/88	28.80	Pfrommer	0042
27	5724493	7/28/88	26.86	Pfrommer	0042
28	5723211	7/28/88	24.05	Vanguard	0107
29	5770973	7/29/88	28.69	Vanguard	0107
30	5724482	7/29/88	27.97	Pfrommer	0042
31	5724471	7/29/88	27.34	Pfrommer	0042
32	5723351	7/29/88	29.93	Dart	0219
33	5723023	7/29/88	28.69	Dart	0219
34	5723222	7/29/88	25.88	Dart	0219
35	5723174	7/29/88	24.79	Vanguard	0107
36	5723185	7/29/88	22.85	Vanguard	0107
37	5771010	7/29/88	22.09	Dart	0219
38	5723373	7/29/88	29.90	Vanguard	0107
39	5723325	7/29/88	27.61	Vanguard	0107
40	5723314	7/29/88	23.64	Vanguard	0107

TABLE 1
(Continued)

Manifest Document No.		Date	Weight (tons)	Transporter	
I.D. No.	State*			Name	L.D. No.
41	5723303	7/29/88	24.27	Vanguard	0107
42	5723292	7/29/88	25.93	Vanguard	0107
43	5723336	7/29/88	25.48	Vanguard	0107
44	5723362	7/29/88	25.94	Vanguard	0107
45	5723181	7/29/88	28.48	Vanguard	0107
46	5770542	7/30/88	24.11	Vanguard	0107
47	5771006	8/01/88	26.05	Dart	0219
48	5770531	8/01/88	22.66	Dart	0219
49	5724456	8/01/88	24.62	Dart	0219
50	5724423	8/01/88	24.44	Dart	0219
51	5724445	8/01/88	24.24	Dart	0219
52	5724434	8/01/88	26.44	Vanguard	0107
53	5724014	8/01/88	23.40	Vanguard	0107
54	5724003	8/01/88	21.82	Vanguard	0107
55	5723992	8/01/88	24.64	Vanguard	0107
56	5724412	8/01/88	22.70	Dart	0219
57	5724353	8/02/88	22.34	Dart	0219
58	5723981	8/02/88	28.37	Vanguard	0107
59	5724342	8/02/88	29.37	Dart	0219
60	5724375	8/02/88	21.08	Dart	0219
61	5724386	8/02/88	24.86	Dart	0219
62	5723955	8/02/88	27.98	Vanguard	0107
63	5770553	8/02/88	25.21	Vanguard	0107
64	5723966	8/02/88	28.01	Vanguard	0107
65	5724331	8/02/88	25.80	Dart	0219
66	5723852	8/02/88	27.55	Vanguard	0107
67	5723863	8/02/88	24.57	Vanguard	0107
68	5723874	8/02/88	27.98	Vanguard	0107
69	5723885	8/02/88	26.78	Vanguard	0107
70	5723896	8/02/88	29.87	Vanguard	0107
71	5723970	8/02/88	32.68	Vanguard	0107
72	5723944	8/02/88	31.34	Vanguard	0107
73	5723793	8/02/88	32.93	Vanguard	0107
74	5770612	8/02/88	34.56	Vanguard	0107
75	5724305	8/03/88	27.60	Dart	0219
76	5724316	8/03/88	23.28	Dart	0219
77	5724320	8/03/88	24.13	Dart	0219
78	5724390	8/03/88	27.22	Dart	0219
79	5724401	8/03/88	23.03	Dart	0219
80	5724283	8/03/88	25.14	Dart	0219
81	5724294	8/03/88	26.54	Dart	0219
82	5770601	8/03/88	26.07	Vanguard	0107
83	5770590	8/03/88	24.20	Vanguard	0107
84	5770564	8/03/88	24.20	Vanguard	0107

TABLE 1
(Continued)

Manifest Document No.		Date	Weight (tons)	Transporter	
L.D. No.	State*			Name	L.D. No.
85	5770575	8/03/88	24.09	Vanguard	0107
86	5723804	8/03/88	27.17	Vanguard	0107
87	5724213	8/04/88	25.60	Dart	0219
88	5724224	8/04/88	22.18	Dart	0219
89	5724235	8/04/88	21.84	Dart	0219
90	5724246	8/04/88	24.59	Dart	0219
91	5724143	8/04/88	21.20	Dart	0219
92	5724250	8/04/88	23.45	Dart	0219
93	5724261	8/04/88	26.18	Dart	0219
94	5724272	8/04/88	24.27	Dart	0219
95	5724202	8/04/88	23.09	Dart	0219
96	5724191	8/04/88	25.03	Pfrommer	0042
97	5724106	8/04/88	25.04	Dart	0219
98	5723830	8/04/88	25.36	Vanguard	0107
99	5723826	8/04/88	25.57	Vanguard	0107
100	5724095	8/04/88	25.07	Dart	0219
101	5724073	8/04/88	24.42	Pfrommer	0042
102	5724062	8/04/88	21.14	Pfrommer	0042
103	5724132	8/04/88	29.25	Dart	0219
104	5724154	8/04/88	29.51	Dart	0219
105	5723911	8/04/88	25.74	Vanguard	0107
106	5723841	8/04/88	30.53	Vanguard	0107
107	5723900	8/04/88	28.14	Vanguard	0107
108	5723922	8/04/88	26.94	Vanguard	0107
109	5723933	8/04/88	30.25	Vanguard	0107
109**	5723491	8/04/88	23.07	Vanguard	0107
110	5724176	8/04/88	23.93	Dart	0219
111	5723502	8/04/88	33.30	Vanguard	0107
112	5724180	8/04/88	28.16	Dart	0219
113	5723476	8/04/88	32.95	Vanguard	0107
114	5724025	8/04/88	31.91	Vanguard	0107
115	5723513	8/04/88	30.01	Vanguard	0107
116	5724051	8/04/88	32.57	Vanguard	0107

*All prefaced by "PAB"

** Duplicate sequential I.D. No.



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAD000427906		Manifest Document No. 100116	2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.						
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137					A. State Manifest Document Number PAB 5724051								
4. Generator's Phone (215) 535-7222					B. State Gen. ID								
5. Transporter 1 Company Name JOHN PEROMNER			6. US EPA ID Number PAD000791072		C. State Trans. ID PA-AH								
7. Transporter 2 Company Name CONTINENTAL VAN-LUARD			8. US EPA ID Number NJ-D067387514		D. Transporter's Phone ()								
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616					E. State Trans. ID PA-AH 101071								
					F. Transporter's Phone (609) 931-0950								
					G. State Facility's ID Not Required								
					H. Facility's Phone 419-726-1521								
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type 1 DT		00015		Y		K087	
b.													
c.													
d.								3257		T			
e.													
f.								65140 P					
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State LHT US			c. Haz. Code Physical State LHT US			b. SCLE 2.091			d.				
b. LHT US			d. LHT US										
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good-faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name T. K. ROGER MEIER					Signature <i>T. K. Roger Meier</i>					Month Day Year 08 04 88			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name					Signature					Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name <i>Donald J. ...</i>					Signature <i>Donald J. ...</i>					Month Day Year 08 04 88			
19. Facility Name and Address													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name H. H. HARRISON					Signature <i>H. H. Harrison</i>					Month Day Year 08 15 88			



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 00115		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723513		B. State Gen. ID					
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name JOHN PEROMER		6. US EPA ID Number PA0005731077		C. State Trans. ID PA-AH							
7. Transporter 2 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number NJ 066838514		D. Transporter's Phone ()		E. State Trans. ID PA-AH 101071							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OHDO45243706		F. Transporter's Phone 66919310750					
						G. State Facility's ID Not Required		H. Facility's Phone 619-726-1521					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RM HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 K087						1. DT		000151				K087	
b.													
c.								30015					
d.								10030P					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. LIT US			c. U U			1. SELF 8091							
b. U U			d. U U			2.							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 18504x													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. KURT ANGELEMEIER						Signature <i>J. Kurt Angelemer</i>			Month Day Year 10/8/88				
17. Transporter 1 Acknowledgment of Receipt of Materials													
Printed/Typed Name						Signature			Month Day Year				
18. Transporter 2 Acknowledgment of Receipt of Materials													
Printed/Typed Name Robert Miller # 72						Signature <i>Robert Miller # 72</i>			Month Day Year 10/8/88				
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name J. H. HARRISON						Signature <i>J. H. H.</i>			Month Day Year 10/5/88				



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100114		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				A. State Manifest Document Number PAB 5724025		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				C. State Trans. ID PA-AH		D. Transporter's Phone ()	
5. Transporter 1 Company Name JOHN PEROMMER		6. US EPA ID Number PA0000781072		E. State Trans. ID PA-AH		F. Transporter's Phone (601) 931-0950	
7. Transporter 2 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number IN-50067387514		G. State Facility's ID Not Required		H. Facility's Phone (419) 726-1521	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616				10. US EPA ID Number OH0045243706			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers	
a. RQ HAZARDOUS WASTE SOLID (N.O.S.) ORM-E NA 9189 (LCE7)						13. Total Quantity 000.15	
b.						14. Unit WuVol Y	
c.						15. Waste No. K087	
d.							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State LHT US		c. Haz. Code Physical State LHT US		d. Handling Codes SCLEAD91			
b. Haz. Code Physical State LHT US		d. Haz. Code Physical State LHT US					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>[Signature]</i>		Month Day Year SEP 4 88	
17. Transporter 1 Acknowledgment of Receipt of Materials				18. Transporter 2 Acknowledgment of Receipt of Materials			
Printed/Typed Name				Signature			
Printed/Typed Name				Signature			
19. Discrepancy Indication Space				20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.			
Printed/Typed Name L. H. HARDY				Signature <i>[Signature]</i>		Month Day Year 9 5 88	



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 001-13		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137		6. US EPA ID Number PA0003781072		A. State Manifest Document Number PAB 5723476		B. State Gen. ID	
4. Generator's Phone 215, 535-7222		5. Transporter 1 Company Name JOHN PRONNER		7. Transporter 2 Company Name CONTINENTAL VANGUARD		C. State Trans. ID PA-AH		D. Transporter's Phone ()	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616		8. US EPA ID Number IN-5-D067-38-75-14		10. US EPA ID Number OHDO45243706		E. State Trans. ID PA-AH 10-1-07		F. Transporter's Phone 609-9310950	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E WA 9189 (1687)		No. Type 1 DT		600.15		Y		K087	
b.				3295		T			
c.				65900 P					
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Code for Wastes Listed Above					
a. Haz. Code Physical State LHT US		c. Haz. Code Physical State LHT US		b.					
b. Haz. Code Physical State LHT US		d. Haz. Code Physical State LHT US		d.					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. KURT ANGERMEIER				Signature 				Month Day Year K 8 4 88	
17. Transporter 1 Acknowledgment of Receipt of Materials				18. Transporter 2 Acknowledgment of Receipt of Materials					
Printed/Typed Name TIM E VOORH				Signature 				Month Day Year E 11 88	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Jeely Patrick				Signature 				Month Day Year K 5 88	



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100-112		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.						
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724180								
4. Generator's Phone (215) 535-7222						B. State Gen. ID								
5. Transporter 1 Company Name JOHN PPRONBER			6. US EPA ID Number PA0000791072			C. State Trans. ID PA-AH								
7. Transporter 2 Company Name DART TRUCKING			8. US EPA ID Number 1040009865825			D. Transporter's Phone ()								
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH 102-191								
10. US EPA ID Number OH0045243706						F. Transporter's Phone 800 15418206								
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.		
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type 1 DT		0.0015		Y		K087		
b.						..		2816		T		..		
c.						..		56300		P		..		
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above								
a. Haz. Code Physical State III III S		c. Haz. Code Physical State III III		b. Self: DSI		d.								
b. Haz. Code Physical State III III		d. Haz. Code Physical State III III		b.		d.								
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCM 1850 M														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.														
Printed/Typed Name J. K. R. ANGERMEIER						Signature <i>J. K. R. Angermeier</i>			Month Day Year 10/04/86					
17. Transporter 1 Acknowledgment of Receipt of Materials						Printed/Typed Name			Signature			Month Day Year		
18. Transporter 2 Acknowledgment of Receipt of Materials						Printed/Typed Name Rick Wigniss			Signature <i>R. Wigniss</i>			Month Day Year 10/18/86		
19. Discrepancy Indication Space														
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.														
Printed/Typed Name JERRY PICKER						Signature <i>Jerry Picker</i>			Month Day Year 11/15/88					



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAD000427906		Manifest Document No. 60111	2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.				
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137					A. State Manifest Document Number PAB 5723502						
4. Generator's Phone (215) 535-7222					B. State Gen. ID						
5. Transporter 1 Company Name JOHN PFRONNER			6. US EPA ID Number PAD900781072		C. State Trans. ID PA-AH						
7. Transporter 2 Company Name CONTINENTAL VAN LEAD			8. US EPA ID Number N5D067387514		D. Transporter's Phone ()						
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616					E. State Trans. ID PA-AH 101071						
					F. Transporter's Phone 6091910950						
					G. State Facility's ID Not Required						
					H. Facility's Phone 419-726-1521						
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol	15. Waste No.
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type 1 DT		0.0015			K087
b.											
c.								333			
d.											
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. Haz. Code L07		Physical State L19		c. Haz. Code L07		Physical State L19		a. SCLETS D91			
b. Haz. Code L07		Physical State L19		d. Haz. Code L07		Physical State L19		b.			
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 NX											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>[Signature]</i>				Month Day Year 6/20/88			
17. Transporter 1 Acknowledgment of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
18. Transporter 2 Acknowledgment of Receipt of Materials											
Printed/Typed Name Doug Bell				Signature <i>[Signature]</i>				Month Day Year 8/14/88			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name J. H. HARDING				Signature <i>[Signature]</i>				Month Day Year 8/12/88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-003
Expires 9-30-88

ER-SWM-51:REV. 6/87

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In case of an emergency or spill, immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100-1-10		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.													
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724176		B. State Gen. ID													
4. Generator's Phone (215) 535-7222						6. US EPA ID Number PA0008781072		C. State Trans. ID PA-AH													
5. Transporter 1 Company Name JOHN PEROMMER						7. Transporter 2 Company Name DART TRUCKING		D. Transporter's Phone ()													
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616						8. US EPA ID Number OH0009865825		E. State Trans. ID PA-AH 0219													
10. US EPA ID Number OH0045243706						F. Transporter's Phone (800) 541-8206		G. State Facility's ID Not Required													
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity													
a. RO HAZARDOUS WASTE SOLID H.O.S. ORM-3 NA 9189						No.		14. Unit Wt/Vol													
						b. ...						Type		15. Waste No.							
												c. ...						DT		Y K087	
																		d. ...						00015		...
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						...		23.93		...											
						K. Handling Codes for Wastes Listed Above						...		4.760		P					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX TRANSPORTER 1 no slou																
						16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name J. KURT ANGERMEIER		Signature <i>J. Kurt Angermeier</i>		Month Day Year 08 04 88																	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year											
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name STEVE YOUNG		Signature <i>Steve Young</i>		Month Day Year 08 04 88											
19. Discrepancy Indication Space																					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name ERRY R... ..		Signature <i>ERRY R...</i>		Month Day Year 8 5 88											



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0039
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA9000427906		Manifest Document No. 100109		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723491							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name JOHN BEROMER			6. US EPA ID Number PA9000701072			C. State Trans. ID PA-AH							
7. Transporter 2 Company Name CONTINENTAL VANGUARD			8. US EPA ID Number NJ-D067387514			D. Transporter's Phone ()							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH 101071							
10. US EPA ID Number OHDO45243706						F. Transporter's Phone 6099310950							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit (Wt/Vol)		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID V.O.S. ORM-E NA 9189						1. 1		DT		00015		Y K087	
b.										2307 T			
c.										4640 P			
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code LIT		Physical State LUS		c. Haz. Code LIT		Physical State LUS		a. Handling Code Self-D		b.		d.	
b. Haz. Code LIT		Physical State LUS		d. Haz. Code LIT		Physical State LUS							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850AY													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. K. RT ANGERMEIER						Signature <i>J. K. R. Angermeier</i>				Month Day Year 08 04 88			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name HENRY TRAKI						Signature <i>Henry Traki</i>				Month Day Year 18 14 88			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name JERRY PIZLIK						Signature <i>Jerry Pizlik</i>				Month Day Year 08 05 88			



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000427906		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				A. State Manifest Document Number PAB 5723933		B. State Gen. ID	
4. Generator's Phone 215 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJDO67387514		C. State Trans. ID PA-AH 01071	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609 931 0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616				10. US EPA ID Number OHDO45243706		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)				No. Type 1 DT		14. Unit Wt/Vol Y	
b.						K087	
c.						0.0.0.15	
d.						3025 T	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		c. Haz. Code Physical State		e.		d.	
b.		d.		e.		d.	
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>J. Kurt Angermeyer</i>		Month Day Year 10 8 1988	
17. Transporter 1 Acknowledgment of Receipt of Materials				Printed/Typed Name MICHAEL L. NUMBERS		Signature <i>Michael L. Numbers</i>	
18. Transporter 2 Acknowledgment of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space				Printed/Typed Name JERRY RIZZO		Signature <i>Jerry Rizzo</i>	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.				Printed/Typed Name		Signature	
				Printed/Typed Name		Signature	

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
PAD000427906

Manifest Document No.
100-1-08

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137

A. State Manifest Document Number
PAB 5723922

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJDO67387514

C. State Trans. ID
PA-AH 101-071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
609 931-0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616

10. US EPA ID Number
OHDO45243706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID
Not Required

H. Facility's Phone
619-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol
15. Waste No.

a. RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)

1 15Y K087

b.

c.

26.94 Y

d.

533.08

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)
Haz. Code Physical State
a. LTT LUS
b. LTT LUS

K. Handling Codes for Wastes Listed Above
a. SELF D. 31

15. Special Handling Instructions and Additional Information
SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
JOHN ANGELMEIER

Signature
Month Day Year
08/04/88

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name
Bruce Smith

Signature
Month Day Year
08/04/88

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
JOHN HARRISON

Signature
Month Day Year
08/05/88

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAD000427906		Manifest Document No. 00107	2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.		
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137			A. State Manifest Document Number PAB 5723900		B. State Gen. ID		
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number NJDO67387514	C. State Trans. ID PA-AH 10-10-71		D. Transporter's Phone 609 931 0950		
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone			
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43615		10. US EPA ID Number OHDO45243706		G. State Facility's ID Not Required		H. Facility's Phone (419) 726-1521			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)				No. Type 1 DT		0.0.0.15	Y	K087	
b.									
c.									
d.						29.14			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above		516290 P			
a. Haz. Code Physical State L01 L19		c. Haz. Code Physical State L01 L19		b.		SCLFZ DB1			
b. Haz. Code Physical State L01 L19		d. Haz. Code Physical State L01 L19		d.					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>J. Kurt Angermeyer</i>			Month Day Year 08 24 88		
17. Transporter 1 Acknowledgment of Receipt of Materials									
Printed/Typed Name Brian Baultzly				Signature <i>Brian Baultzly</i>			Month Day Year 12 17 88		
18. Transporter 2 Acknowledgment of Receipt of Materials									
Printed/Typed Name				Signature			Month Day Year		
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name J. H. HARVING				Signature <i>J. H. Harving</i>			Month Day Year 12 17 88		



ER-SWM-51-REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 10-0106		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number FAB 5723841							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number NJDO67387514		C. State Trans. ID PA-AH 10-1071							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 609 931 0950							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH							
						10. US EPA ID Number OHDO45243706				F. Transporter's Phone ()			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ HAZARDOUS WASTE SOLID N.O.S. ORH-E NA 9189 (K087)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
						No. Type		Quantity		Unit Wt/Vol		Waste No.	
						1		0.0.15		Y		K087	
								61000		P			
								3053		T			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State LIT US		c. Haz. Code Physical State LIT US		e. Haz. Code Physical State LIT US		b. Handling Codes D01							
b. Haz. Code Physical State LIT US		d. Haz. Code Physical State LIT US		f. Haz. Code Physical State LIT US									
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850Ax													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J.K. ANGERMEIER				Signature <i>J.K. Angermeier</i>				Month Day Year 12 04 88					
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Dave Smith				Signature <i>Dave Smith</i>				Month Day Year 12 04 88					
18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name EPP/ Pckk				Signature <i>EPP/ Pckk</i>				Month Day Year 12 04 88					



ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427996		Manifest Document No. 100-105		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723911		B. State Gen. ID					
4. Generator's Phone (215,) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJDD673875L4		C. State Trans. ID PA-AH 0-1-071		D. Transporter's Phone 609 931 0950		E. State Trans. ID PA-AH					
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OHPO45243706		F. Transporter's Phone ()		G. State Facility's ID Not Required					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.							
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)		No. 1 Type DT		0.0.015		Y		K087							
b.				2174 T											
c.				51480 P											
d.															
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above									
a. Haz. Code Physical State U1 U3		c. Haz. Code Physical State U1 U1		e. Handling Codes Self DST		b. Haz. Code Physical State U1 U1		d. Haz. Code Physical State U1 U1		f. Handling Codes					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX															
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Printed/Typed Name J-KET ANSERMEIER				Signature <i>J. K. Ansermeier</i>				Month Day Year 08 04 88							
17. Transporter 1 Acknowledgment of Receipt of Materials				Printed/Typed Name GARY C MILLER				Signature <i>Gary C Miller</i>				Month Day Year 08 04 88			
18. Transporter 2 Acknowledgment of Receipt of Materials				Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.															
Printed/Typed Name JERRY Beck				Signature <i>Jerry Beck</i>				Month Day Year 10 15 88							



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-002
Expires 9-30-88

EP-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000427906		Manifest Document No. 00104		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724154							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name JOHN PEROMYER			6. US EPA ID Number PA0008791972			C. State Trans. ID PA-AH							
7. Transporter 2 Company Name DART TRUCKING			8. US EPA ID Number 16140004865825			D. Transporter's Phone ()							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH 102191							
10. US EPA ID Number GH045243706						F. Transporter's Phone 8005418206							
						G. State Facility's ID Not Required							
						H. Facility's Phone 619726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RO HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9199						No. 1		Type DT		0.0015		Y K087	
b.													
c.													
d.								2751					
								59030					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code LH		Physical State LH		c. Haz. Code LH		Physical State LH		b. SCLETD91					
b. Haz. Code LH		Physical State LH		d. Haz. Code LH		Physical State LH		d.					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name JAMES V. HUSTED						Signature <i>James V. Husted</i>				Month Day Year 08/04/88			
Printed/Typed Name MIKE RIBBS						Signature <i>Mike Ripp</i>				Month Day Year 10/8/88			
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name J. H. HUSTED						Signature <i>J. H. Husted</i>				Month Day Year 10/5/88			



ER-SWM-51:REV. 6/87

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in case of an emergency or spill, immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 00103		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724132		B. State Gen. ID					
4. Generator's Phone (215) 535-7222 OHD009867825						6. US EPA ID Number PA0000781072		C. State Trans. ID PA-AH 02191					
5. Transporter 1 Company Name JOHN BERGMAN DART						8. US EPA ID Number		D. Transporter's Phone 800-541-8226					
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Trans. ID PA-AH					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OHD045249706		F. Transporter's Phone					
								G. State Facility's ID Not Required					
								H. Facility's Phone 419-726-1521					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						1. 1		DT		000.15		Y K087	
b.										27.25		T	
c.										58.50		P	
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State U1 U3						b. Haz. Code Physical State U1 U3							
c. U1 U3						d. U1 U3							
b. U1 U3						c. U1 U3							
d. U1 U3						b. U1 U3							
d. U1 U3						c. U1 U3							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION PCN 1850X													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. Kurt Angermeyer						Signature <i>J. Kurt Angermeyer</i>				Month Day Year 08 04 88			
Printed/Typed Name CHARLES L GROFF						Signature <i>Charles L Groff</i>				Month Day Year 10 01 88			
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name Jerry P. ...						Signature <i>Jerry P. ...</i>				Month Day Year 10 05 88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0035
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100102		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number FAB 5724062							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name JOHN PFROMMER				6. US EPA ID Number PA0008781072		C. State Trans. ID PA-AH 100421							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone (215) 385-3091							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 375 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH							
10. US EPA ID Number OHD045243706						F. Transporter's Phone ()							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 K087						No. Type 1 DT		Quantity 00015		Unit Wt/Vol Y		Waste No. K087	
b.								21.14		T			
c.								42280		P			
d.													
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State L11 L13		c. Haz. Code Physical State L11 L11		b. Handling Code D01		d.							
b. Haz. Code Physical State L11 L11		d. Haz. Code Physical State L11 L11											
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. Kunt Angermeier				Signature J. Kunt Angermeier / JVH				Month Day Year 08/19/88					
17. Transporter 1 Acknowledgment of Receipt of Materials						Printed/Typed Name ROA Peltman		Signature ROA Peltman		Month Day Year 08/24/88			
18. Transporter 2 Acknowledgment of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name Jerry Pickle				Signature Jerry Pickle				Month Day Year 10/15/88					

EPA Form 8700-22 (Rev. 9-86) Previous editions are obsolete



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0039
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAD000427906		Manifest Document No. 100101		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724073							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name JOHN PEROMMER			6. US EPA ID Number PAD003781072			C. State Trans. ID PA-AH 100424							
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone (251) 385-3051							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 875 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH							
10. US EPA ID Number ORD045243706						F. Transporter's Phone ()							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. 20 HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 K087						1		DT		000.15 Y		K087	
b.								2442 T					
c.								48840 P					
d.													
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State LIT LS		c. Haz. Code Physical State LIT LS		b. Handling Codes S, D, 081		d.							
b. Haz. Code Physical State LIT LS		d. Haz. Code Physical State LIT LS											
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850X													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. Kurt Angerman						Signature J. Kurt Angerman			Month Day Year 10/04/88				
17. Transporter 1 Acknowledgment of Receipt of Materials													
Printed/Typed Name Jack Donlop						Signature Jack Donlop			Month Day Year 10/04/88				
18. Transporter 2 Acknowledgment of Receipt of Materials													
Printed/Typed Name						Signature			Month Day Year				
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name Jere Pille						Signature Jere Pille			Month Day Year 10/05/88				



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0035
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
PA3000427906

Manifest Document No.
K-0100

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137

A. State Manifest Document Number
PAB 5724095

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
~~PAEN PROMPT~~ DART

C. State Trans. ID
PA-AH P-2191

6. US EPA ID Number
OH0009865825

7. Transporter 2 Company Name

D. Transporter's Phone
800541-8266

8. US EPA ID Number

E. State Trans. ID
PA-AH

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD OREGON OHIO 43616

F. Transporter's Phone

10. US EPA ID Number
OH0045243706

G. State Facility's ID
Not Required

H. Facility's Phone
419-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

a. RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E HA 9189 (K087)

No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
1	DT	00015	Y	K087
		50 Lb. P		
		2507 T		

b.
c.
d.

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
a. Haz. Code Physical State
LIT US
b. Haz. Code Physical State
c. Haz. Code Physical State
d. Haz. Code Physical State

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850X

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: J. Kurt Angermeier
Signature: J. Kurt Angermeier
Month Day Year: 10/24/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Donald R. Dunn Sr.
Signature: Donald R. Dunn Sr.
Month Day Year: 10/24/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: _____
Signature: _____
Month Day Year: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Jerry Pickle
Signature: Jerry Pickle
Month Day Year: 10/25/88



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-0039
Expires 9-30-88

ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. D-0099		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137 215, 535-7222						A. State Manifest Document Number PAB 5723826							
4. Generator's Phone						B. State Gen. ID							
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number NJ0067387514		C. State Trans. ID PA-AH 101071							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 609-931-0950							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OHDO45243706							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
										Y		K087	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						1		DT		00015			
b.										5146 P			
c.										2557 T			
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State U1 U3			c. Haz. Code Physical State U1 U3			a. Self-DSI							
b. U1 U3			d. U1 U3			b.							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 Ax													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. Kurt Angermeyer				Signature J. Kurt Angermeyer				Month Day Year 07/10/88					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MARK KEARNEY				Signature Mark Kearney				Month Day Year 18/10/88					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year 08/04/88					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest as noted in item 19.													
Printed/Typed Name JERRY RICHEL				Signature Jerry Ricchel				Month Day Year 05/88					



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In case of an emergency or spill immediately call the National Response Center (800) 424-9802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 10-0098		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723830		B. State Gen. ID	
4. Generator's Phone 215, 535-7222						6. US EPA ID Number NJRO67387514		C. State Trans. ID PA-AH 101071	
5. Transporter 1 Company Name CONTINENTAL VANGUARD						7. Transporter 2 Company Name		D. Transporter's Phone 609 931 0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 275 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OHLD045243706		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. RO HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						No. 1 Type DT		14. Unit Wt/Vol Y	
b.						15. 00.015		16. K087	
c.						17. 30700 P		18.	
d.						19. 0536 T		20.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State U1 U3		c. Haz. Code Physical State U1 U3		b. 1		2		3	
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850Ax						16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.			
Printed/Typed Name J. Kurt Ansermeier				Signature J. Kurt Ansermeier		Month Day Year 10 28 88			
17. Transporter 1 Acknowledgement of Receipt of Materials						18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name MARK J IVES				Signature Mark J Ives		Month Day Year 10 14 88			
Printed/Typed Name MARK J IVES				Signature		Month Day Year 10 14 88			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19									
Printed/Typed Name W. J. Miller				Signature W. J. Miller		Month Day Year 10 15 88			



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In case of an emergency you should immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100097		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA CORE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number FAB 5724106		B. State Gen. ID					
4. Generator's Phone 215, 535-7222						OH009865825							
5. Transporter 1 Company Name JOHN PEDONER DART						6. US EPA ID Number PA000731372		C. State Trans. ID PA-AH 102191					
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 800-541-8228					
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO, INC. 976 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH0045243706		E. State Trans. ID PA-AH					
						F. Transporter's Phone		G. State Facility's ID Not Required					
						H. Facility's Phone 419-726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID H.O.S. ORM-R NA 9189 (1087)						1. No. Type 1 DT		20.015		Y		K087	
b.													
c.													
d.								2504 T					
								5000 P					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State U1 U1						c. Haz. Code Physical State U1 U1							
b. Haz. Code Physical State U1 U1						d. Haz. Code Physical State U1 U1							
e. SCLF E 101						b. d.							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANER TAR SLUDGE FROM COKING OPERATION PCN 1850X 1050AX 06/88 KSP													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>J. Kurt Angermeier</i>				Month Day Year 08/04/88					
17. Transporter 1 Acknowledgment of Receipt of Materials													
Printed/Typed Name DON DIGIOUANNI				Signature <i>Don Digioanni</i>				Month Day Year # 9567 08/04/88					
18. Transporter 2 Acknowledgment of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name L.H. HARRISON				Signature <i>L.H. Harrison</i>				Month Day Year 03/09/88					



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000427906		Manifest Document No. 100096		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB-5724191		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name JOHN PEROMMER		6. US EPA ID Number PA008791672		C. State Trans. ID PA-AH 20424		D. Transporter's Phone (215) 385-3007		E. State Trans. ID PA-AH	
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIRONSERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43516		10. US EPA ID Number OH0045243706		F. Transporter's Phone		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.			
a. 20 HAZARDOUS WASTE SOLID N.O.S. FORM-E NA 9189 (1087)		1. DT		100.15		K		K087			
b.				2503		P					
c.				500.60		P					
d.											
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. LHT LIS		c. [] []		a. Self-Prop. P81		b.		d.			
b. [] []		d. [] []									
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name KURT ANGERMEIER				Signature <i>Kurt Angermeier</i>				Month Day Year 08 24 88			
17. Transporter 1 Acknowledgment of Receipt of Materials											
Printed/Typed Name JOHN E LAVENDER				Signature <i>John E Lavender</i>				Month Day Year 08 24 88			
18. Transporter 2 Acknowledgment of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name JERRY REKI				Signature <i>Jerry Reki</i>				Month Day Year 08 24 88			



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 00095		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.								
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number EAB 5724202		B. State Gen. ID								
4. Generator's Phone (215) 535-7222						C. State Trans. ID PA-AH 02191		D. Transporter's Phone 800 541-8206								
5. Transporter 1 Company Name JOHN BROWN DART				6. US EPA ID Number PA0000711072		E. State Trans. ID PA-AH		F. Transporter's Phone								
7. Transporter 2 Company Name				8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521								
9. Designated Facility Name and Site Address ENVIRSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH0045243796										
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers:		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.				
						No.		Type								
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORI-E NA 9189 (K087)						1		DT		00015		Y R087				
b.								2309		T						
c.								16186		P						
d.																
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above										
a. Haz. Code		Physical State		c. Haz. Code		Physical State		a.		b.		d.				
LH		LS		LH		LS		S		D		S				
LH		LS		LH		LS										
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COXING OPERATION PCN 1850X																
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																
Printed/Typed Name J. KURT ANGERMEIER						Signature <i>[Signature]</i>			Month Day Year 08 09 88							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name PAUL SWIGART			Signature <i>[Signature]</i>			Month Day Year 08 09 88				
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name			Signature			Month Day Year				
19. Discrepancy Indication Space																
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																
Printed/Typed Name JERRY PICKLE						Signature <i>[Signature]</i>			Month Day Year 08 09 88							



ER-SWM-51 REV. 8/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA0000427906** Manifest Document No. **100094**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5724272

4. Generator's Phone (215) **535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
[REDACTED]

C. State Trans. ID
PA-AH

7. Transporter 2 Company Name
DART

D. Transporter's Phone ()

9. Designated Facility Name and Site Address
**ENVIRONSERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616**

E. State Trans. ID
PA-AH 102191

F. Transporter's Phone **800-547-8206**

G. State Facility's ID **Not Required**

H. Facility's Phone **619-726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

a.	b.	c.	d.	No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
				1	DT	000.15	Y	K087
						2487	T	
						48510	P	

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 Ax**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **J. Kurt Angermeyer** Signature: *[Signature]* Month Day Year: **10 8 1988**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **FRED TRIPLE 442** Signature: *[Signature]* Month Day Year: **10 10 1988**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: **J. H. HARRISON** Signature: *[Signature]* Month Day Year: **10 9 1988**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

FACILITY



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 10009.3	2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.		
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				A. State Manifest Document Number PAB 5724261		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name ...		6. US EPA ID Number ...		C. State Trans. ID PA-AH		D. Transporter's Phone ()	
7. Transporter 2 Company Name DART		8. US EPA ID Number 1040009865825		E. State Trans. ID PA-AH 102191		F. Transporter's Phone 8005418206		G. State Facility's ID Not Required	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 676 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OH0045243706		H. Facility's Phone 6197726-1521					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)				1. DT		0.0015		Y K087	
b.				..		2618		T	
c.				..		52300		P	
d.				..		..		..
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above					
a. Haz. Code Physical State LIT LIS		c. Haz. Code Physical State LIT LIS		a. Self-D081					
b. LIT LIS		d. LIT LIS		b. d.					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION PCN 1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>J. Kurt Angermeier</i>		Month Day Year 10 09 88			
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature		Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name Nick Gallo 897-9542				Signature <i>Nick Gallo</i>		Month Day Year 10 09 88			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted by item 19.									
Printed/Typed Name Jerry P. ...				Signature <i>Jerry P. ...</i>		Month Day Year 10 15 88			



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA9000427005		Manifest Document No. 00092		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.									
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724250		B. State Gen. ID									
4. Generator's Phone (215) 535-7222		040009865825		5. Transporter 1 Company Name PHILADELPHIA COKE CO. DART		6. US EPA ID Number PA9000427005		C. State Trans. ID PA-AH 102191									
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIRONSERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OH045243706		D. Transporter's Phone 800541-8206									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
						a. NO HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 K087		1		DT		15		Y		K087	
						b.						3.45		T			
						c.						416900		P			
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above											
a. Haz. Code Physical State III III		c. Haz. Code Physical State III III		e. Handling Code Self-Prop. 081		b.		d.									
b. Haz. Code Physical State III III		d. Haz. Code Physical State III III		f.													
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>J. Kurt Angermeier</i>				Month Day Year 080488									
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ROBERT A. DOBRICH				Signature <i>Robert A. Dobrich</i>				Month Day Year 080488									
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year									
19. Discrepancy Indication Space PCN 1850 AX 2 - (Liq. Sludge)																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name JERRY PECK				Signature <i>Jerry Peck</i>				Month Day Year 080588									



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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Form approved.
OMB No. 2050-0031
Expires 9-30-88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427006		Manifest Document No. 00091		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number FAB 5724143		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name		6. US EPA ID Number		C. State Trans. ID PA-AH		D. Transporter's Phone		E. State Trans. ID PA-AH 10-2-91	
7. Transporter 2 Company Name DART		8. US EPA ID Number 10-H-0009865-825		9. Designated Facility Name and Site Address ENVIRONSAP SERVICES OF OHIO, INC. 375 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OH0945243706		F. Transporter's Phone 800 5418406		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. RO HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)		No. Type 1 DT		0.0015		Y		K087			
b.				21.2 T							
c.				480% F							
d.											
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. Haz. Code Physical State LH1 L19		c. Haz. Code Physical State L1 L1		b. Self		d.					
b. L1 L1		d. L1 L1									
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAT SLUDGE FROM COOKING OPERATION PCN 1850 AX TRANSPORTER 2 - NO SLUG											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>[Signature]</i>				Month Day Year 10-9-88			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name JOSEPH E. KURTZ 661				Signature <i>[Signature]</i> (9016-457)				Month Day Year 10-9-88			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 15											
Printed/Typed Name Jesse Puck				Signature <i>[Signature]</i>				Month Day Year 10-5-88			



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000427906		Manifest Document No. 100090		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA CORE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724246		B. State Gen. ID	
4. Generator's Phone 215 535-7222						C. State Trans. ID PA-AH		D. Transporter's Phone ()	
5. Transporter 1 Company Name XXXXXXXXXX						6. US EPA ID Number XXXXXXXXXX		E. State Trans. ID PA-AH	
7. Transporter 2 Company Name DART						8. US EPA ID Number 040009865825		F. Transporter's Phone 800 541 8206	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO, INC. 875 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH0045243706		G. State Facility's ID 0219	
						H. Facility's Phone 419 726 1511			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						No. 1 Type DT		Y K087	
b.								2157 T	
c.								4750 P	
d.									
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State U1 U9		c. Haz. Code Physical State U1 U9		b. Self P81		d.			
b. U1 U9		d. U1 U9							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850Ax									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. K. T. Dugan					Signature <i>J. K. T. Dugan</i>			Month Day Year 080488	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name JAMES R. DURHAM					Signature <i>James R. Durham</i>			Month Day Year 121488	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name M. E. Durham					Signature <i>M. E. Durham</i>			Month Day Year 07 Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Jerry Pickle					Signature <i>Jerry Pickle</i>			Month Day Year 0588	



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
PA0000427906

Manifest Document No.
00089

2. Page 1 of 1

Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137

A. State Manifest Document Number
PAB 5724235

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
~~XXXXXXXXXX~~

6. US EPA ID Number
~~XXXXXXXXXX~~

C. State Trans. ID
PA-AH

7. Transporter 2 Company Name
DART

8. US EPA ID Number
10.H.D009845825

D. Transporter's Phone ()

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616

10. US EPA ID Number
OH0045243706

E. State Trans. ID
PA-AH 10-2-1-91

F. Transporter's Phone 800 541 8206

G. State Facility's ID Not Required

H. Facility's Phone 619-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a.	1	DT	K087
b.	2184	T	
c.	4.368	P	
d.			

RO HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
a. III	US	c. III	III
b. III	III	d. III	III

K. Handling Codes for Wastes Listed Above

Self-Dest

15. Special Handling Instructions and Additional Information

SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
J. Kurt Ansermeier

Signature
J. Kurt Ansermeier

Month Day Year
10 04 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Jerome Klein

Signature
Jerome Klein

Month Day Year
10 04 88

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
Jerry P. Zull

Signature
Jerry P. Zull

Month Day Year
10 15 88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US/EPA ID No. PA0000427005		Manifest Document No. 100088		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.											
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number FAB 5724224		B. State Gen. ID											
4. Generator's Phone (215) 535-7222						C. State Trans. ID PA-AH		D. Transporter's Phone ()											
5. Transporter 1 Company Name XXXXXXXXXX			6. US EPA ID Number XXXXXXXXXX			E. State Trans. ID PA-AH		F. Transporter's Phone 800 541 8206											
7. Transporter 2 Company Name DART			8. US EPA ID Number 10-HD-00-9-865-825			G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521											
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH0045243706													
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.							
						a. EQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						1		DT		000.15		Y K087	
						b.	
						c.	
						d.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above													
a. <u>U1</u> <u>U3</u>			c. <u>U1</u> <u>U1</u>			a. SOIL F081			b.			d.							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION PCN 1850AX																			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																			
Printed/Typed Name J. KURT ANGERMEIER			Signature <i>J. Kurt Angermeier</i>			Month Day Year 10 09 88													
17. Transporter 1 Acknowledgement of Receipt of Materials																			
Printed/Typed Name			Signature			Month Day Year													
18. Transporter 2 Acknowledgement of Receipt of Materials																			
Printed/Typed Name John Brooks			Signature <i>John Brooks</i>			Month Day Year 08 14 88													
19. Discrepancy Indication Space																			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																			
Printed/Typed Name John H. H. H.			Signature <i>John H. H. H.</i>			Month Day Year 10 19 88													



Office of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0039
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PADO00427906		Manifest Document No. 00087		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724213							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name XXXXXXXXXX			6. US EPA ID Number XXXXXXXXXX			C. State Trans. ID PA-AH							
7. Transporter 2 Company Name DART			8. US EPA ID Number 10HD009865825			D. Transporter's Phone ()							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH 10-2-191							
10. US EPA ID Number OH0045243795						F. Transporter's Phone 800 541 8206							
						G. State Facility's ID Not Required							
						H. Facility's Phone 419-726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RO HAZARDOUS WASTE SOLID N.O.S. DRM-E VA 9189 (K087)						1. DT		0.0015		Y		K087	
b.								25.6		T			
c.								51.000		P			
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State LHT U3			c. Haz. Code Physical State U U			a. <i>Self-DSL</i>							
b. U U			d. U U			b.							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COXING OPERATION PCN 1850AX TRANSPORTER # 1 - No Show													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. KURT ANGERMEIER						Signature <i>J. Kurt Angermeier</i>				Month Day Year 08 06 88			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name GEORGE MENEKEE						Signature <i>George Menekée</i>				Month Day Year 08 10 88			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name ERRY PELLE						Signature <i>erry pelle</i>				Month Day Year 10 15 88			



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD000427906**
Manifest Document No. **100086**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
FAB 5723804

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJD067387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **6099310950**

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
676 OTTER CREEK ROAD OREGON OHIO 43616**

10. US EPA ID Number
OH0045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone **619-726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No. Type			

a. **RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)**

1	DT	0.0015	Y	K087

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

a. **LMT LIS**

c. **UU UU**

K. Handling Codes for Wastes Listed Above

b. **UU UU**

d. **UU UU**

b. **SCLE 1191**

15. Special Handling Instructions and Additional Information

**SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION
PCN 1850AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

J. KURT ANSERMEIER

Signature

J. Kurt Ansermeier

Month Day Year

08 03 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

DENNIS DEIST

Signature

Dennis Deist

Month Day Year

10 03 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10 03 88

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

J. H. HARRIS

Signature

J. H. Harris

Month Day Year

03 04 88

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the Nat'l Hazardous Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No: PA0000427906		Manifest Document No: 100085		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5770575		B. State Gen. ID					
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number HJDO67387514		C. State Trans. ID PA-AH 10-1-071		D. Transporter's Phone 609 931-0950		E. State Trans. ID PA-AH					
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OHDO45243706		F. Transporter's Phone		G. State Facility's ID Not Required					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.							
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)		No. 1 Type DT		0.0.0.15		Y		K087							
b.															
c.															
d.															
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above									
a. LJ US		c. U U		e. SOLEY, D31											
b. U U		d. U U		f.											
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX 24.09 T 481301															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name J. Kurt Angermeyer				Signature <i>J. Kurt Angermeyer</i>				Month Day Year 10/03/88							
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name BLAIR WHIPKEY				Signature <i>Blair Whipkey</i>				Month Day Year 10/03/88			
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name LETT HARDING				Signature <i>LETT HARDING</i>				Month Day Year 10/14/89							



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
PA0000427906

Manifest Document No.
D-0084

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137

A. State Manifest Document Number
FAB 5770564

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJ0067387514

C. State Trans. ID
PA-AH 10-1-0-71

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone 609 931-0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
976 OTTER CREEK ROAD OREGON OHIO 43616
OHDO45243706

10. US EPA ID Number

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID Not Required

H. Facility's Phone 619-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)

1

DT

000.15

Y

K087

24.2

48400

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code Physical State

Haz. Code Physical State

K. Handling Codes for Wastes Listed Above

a. U1 U3

c. U1 U1

a. SCFFID91

b. U1 U1

d. U1 U1

b. d.

15. Special Handling Instructions and Additional Information

SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850Ax

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day Year

John A. ...

[Signature]

08/03/88

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Donald W. ...

[Signature]

08/03/88

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Month Day Year

John A. ...

[Signature]

08/03/88

Response Center (800) 424-8902 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the Nat'l Hazardous Response Center (800) 424-8902



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD000427906** Manifest Document No. **100083**

2. Page 1 of 1 information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5770590

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJD067987514

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **609-931-0950**

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD OREGON OHIO 43616**

10. US EPA ID Number
OHDO45243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone **619-726-1521**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

a. **RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)**

1 DT 000.15 T K087

24.2 T

49400 P

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

Haz. Code Physical State
a. **U1 U3**
b. **U1 U1**
c. **U1 U1**
d. **U1 U1**

SUET D91

15. Special Handling Instructions and Additional Information

**SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me, which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
J. KURT ANGERMEIER

Signature
[Signature]

Month Day Year
10 8 1988

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
E. W. Vogel, Jr.

Signature
[Signature]

Month Day Year
10 8 1988

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
JEFF HARDING

Signature
[Signature]

Month Day Year
9 7 88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **RAD000427905**
Manifest Document No. **10-0082**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
FAB 5770601

4. Generator's Phone (215) **535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJDO67387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
609 9310950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616**

10. US EPA ID Number
OHDO45243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone **619-726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
					12. Containers
a.	RQ HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA 9189 (K087)	1	DT	00.015 Y	K087
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
a. U1	US	c. U1	US
b. U1	US	d. U1	US

K. Handling Codes for Wastes Listed Above

a. **SLEF + D91**

15. Special Handling Instructions and Additional Information
**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850Ax**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
JOHN T. ANGERMEIER

Signature
[Signature] Month Day Year
080388

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name
John Benjamin

Signature
[Signature] Month Day Year
080388

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name

Signature
[Signature] Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
[Signature]

Signature
[Signature] Month Day Year
091188

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0035
Expires 9-30-88

ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000042296		Manifest Document No. 100081		2. Page 1 of 1		information in the shaded areas is not required by Federal law but is required by State law.			
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724294		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name JOHN PROMMER		6. US EPA ID Number PA0000781072		C. State Trans. ID PA-AH		D. Transporter's Phone ()		E. State Trans. ID PA-AH 102191	
7. Transporter 2 Company Name DART		8. US EPA ID Number OH.D.00.98.6.5.8.2.5		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OH0045243706		F. Transporter's Phone 800 541 8206		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-P NA 9189 (K087)		No. Type 1 DT		00015		Y		K087			
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. Haz. Code Physical State LTT LIS		c. Haz. Code Physical State LTT LIS		b. Handling Codes SCLF 2091		d. Handling Codes					
b. Haz. Code Physical State LTT LIS		d. Haz. Code Physical State LTT LIS		b. Handling Codes		d. Handling Codes					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850Ax 2654 T 930351 TRANSFER #1 - NO SHAW											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name J. Kuet Angermeier				Signature <i>J. Kuet Angermeier</i>				Month Day Year 10/8/88			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name John A Shaw				Signature <i>John A Shaw</i>				Month Day Year 10/9/88			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name John HADDON				Signature <i>John Haddon</i>				Month Day Year 10/9/88			



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 00080		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number EAB 5724283		B. State Gen. ID	
4. Generator's Phone 215, 535-7222		5. Transporter 1 Company Name JOHN ZEROMBER		6. US EPA ID Number PA0008701072		C. State Trans. ID PA-AH		D. Transporter's Phone		E. State Trans. ID PA-AH 102191	
7. Transporter 2 Company Name DART TRUCKING		8. US EPA ID Number OH0009865825		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 375 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OH0045243706		F. Transporter's Phone 800-541-8200		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. RQ HAZARDOUS WASTE SOLID H.O.S. ORM-E NA 9189 (K087)		1. 1 DT		00.015		Y		R087			
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. <u>U1</u> <u>U3</u>		c. <u>U1</u> <u>U1</u>		b. <u>SCLF</u> <u>1D31</u>		d.					
b. <u>U1</u> <u>U1</u>		d. <u>U1</u> <u>U1</u>									
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX TRANSPORTER #1 - NO STAY											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled; and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>J. Kurt Angermeier</i>				Month Day Year 10803188			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year 10803188			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name DARYL ESTES				Signature <i>Daryl Estes</i>				Month Day Year 10803188			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name J. H. HARRISON				Signature <i>J. H. Harrison</i>				Month Day Year 191100			



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P. O. Box 2063
Harrisburg, PA 17120

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100079		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND 2 ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number FAB 5724401							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name DART						C. State Trans. ID PA-AH 102191							
6. OHIO RCRA ID Number OH0009865825						D. Transporter's Phone (800) 541-8806							
7. Transporter 2 Company Name						E. State Trans. ID PA-AH							
9. Designated Facility Name and Site Address ENVIOSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						F. Transporter's Phone							
10. US EPA ID Number OH0045243706						G. State Facility's ID Not Required							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-B NA 9139 (K087)						No. Type 1 DT		00.015		Y		K087	
b.								0003		T			
c.								4666		P			
d.													
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State L01 US		c. Haz. Code Physical State L01 L01		b.		d.		S01 D01					
b. L01 L01		d. L01 L01											
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. Kurt Angermeyer						Signature <i>J. Kurt Angermeyer</i>				Month Day Year 10 80 3188			
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <i>Joe Redduk</i>				Month Day Year 10 80 3188			
Printed/Typed Name Joe Redduk						Signature <i>Joe Redduk</i>				Month Day Year 10 80 3188			
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature				Month Day Year			
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name Jerry Petic						Signature <i>Jerry Petic</i>				Month Day Year 11 11 88			



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P. O. Box 2063
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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA0000427906** Manifest Document No. **10-0-078**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5724390

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name **DART** US EPA ID Number **OH0009865825**

C. State Trans. ID
PA-AH 102191

7. Transporter 2 Company Name US EPA ID Number

D. Transporter's Phone **800-541-8208**

9. Designated Facility Name and Site Address
**ENVIOSAFE SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616**

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone **619-726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

a. **RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)**

1 DT 000.15 Y K087

b.

.

c.

.

d.

.

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

a. **III US**

a. **SCLF2D91**

b. **III III**

b.

15. Special Handling Instructions and Additional Information
**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **J. K. Ansermeier** Signature *[Signature]* Month Day Year **10 80 3188**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Garry Frederick** Signature *[Signature]* Month Day Year **10 80 3188**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name **J. H. Hardin** Signature *[Signature]* Month Day Year **10 80 3188**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAJ000427906		Manifest Document No. 10-0077		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.						
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724320		B. State Gen. ID						
4. Generator's Phone (215) 535-7222						6. US EPA ID Number OH009865825		C. State Trans. ID PA-AH 10707						
5. Transporter 1 Company Name XXXXXXXXXX DART						8. US EPA ID Number		D. Transporter's Phone 800 541-8200						
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Trans. ID PA-AH						
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH0045243706		F. Transporter's Phone ()						
								G. State Facility's ID Not Required						
								H. Facility's Phone 619-726-1521						
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.		
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						No. Type 1 DT		00015		Y		K087		
b.								48600 P						
c.								24.13 T						
d.														
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above								
a. Haz. Code Physical State LIT LIS			c. Haz. Code Physical State L L			b.			d.					
b. L L			d. L L											
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.														
Printed/Typed Name J. KURT ANGERMEIER						Signature 			Month Day Year 10 90 3188					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name RON ORRES			Signature Ron Orres			Month Day Year 10 90 388		
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name			Signature			Month Day Year		
19. Discrepancy Indication Space														
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.														
Printed/Typed Name JERRY PELLE						Signature 			Month Day Year 11 14 88					



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA9000427906		Manifest Document No. 100076		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724316		B. State Gen. ID					
4. Generator's Phone (215) 535-7222						OHD009865825							
5. Transporter 1 Company Name DART				6. US EPA ID Number		C. State Trans. ID PA-AH 8219		D. Transporter's Phone 800 541 8206					
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Trans. ID PA-AH					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OHD045243706		F. Transporter's Phone ()					
						G. State Facility's ID Not Required		H. Facility's Phone 619-726-1521					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
						No.		Type					
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9139 (K087)						1		DT		000.15		Y K087	
b.										2328			
c.										76560P			
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code		Physical State		c. Haz. Code		Physical State		a.		b.		d.	
LHM		LIS		LHM		LIS		Self-D					
LHM		LIS		LHM		LIS							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION PCN 1850 AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. Kurt Angermeier						Signature <i>J. Kurt Angermeier</i>				Month Day Year 10 8 1988			
17. Transporter 1 Acknowledgment of Receipt of Materials													
Printed/Typed Name Chair Coast						Signature <i>Chair Coast</i>				Month Day Year 10 8 1988			
18. Transporter 2 Acknowledgment of Receipt of Materials													
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name ERRY R. KLE						Signature <i>ERRY R. KLE</i>				Month Day Year 10 14 88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 0.00.75		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.							
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				A. State Manifest Document Number PAB 5724305		B. State Gen. ID							
4. Generator's Phone (215) 535-7222				6. US EPA ID Number		C. State Trans. ID PA-AH 8219							
5. Transporter 1 Company Name XXXXXXXXXX DART				8. US EPA ID Number		D. Transporter's Phone 800 541 8206							
7. Transporter 2 Company Name DART TRUCKING				10. US EPA ID Number OH0009865825		E. State Trans. ID PA-AH 102191							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616				10. US EPA ID Number OH0045243706		F. Transporter's Phone 800 541-8206							
				G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID W.O.S. ORM-E NA 9139 (K087)						1. 1		DT		00.015		Y K087	
b.													
c.													
d.								27.6		T			
										552001			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State L11 U9		c. Haz. Code Physical State L11 U9		b. Handling Codes SCLF1091		d.							
b. Haz. Code Physical State L11 U9		d. Haz. Code Physical State L11 U9											
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION PCN 1850 AX TRANSPORTER #1 - No Show													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>J. Kurt Angermeier</i>				Month Day Year 10.80.88					
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name ROBERT GRANT				Signature <i>Robert A Grant</i>				Month Day Year 0810388	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest, except as noted in Item 19.													
Printed/Typed Name JEFF HARDING				Signature <i>Jeff Harding</i>				Month Day Year 191113					



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAD000427906		Manifest Document No. 10-0074		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.				
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				A. State Manifest Document Number PAB 5770612		B. State Gen. ID				
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJDO67387514		C. State Trans. ID PA-AH 10-1-0-71		D. Transporter's Phone 609 931-0980				
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone ()		G. State Facility's ID Not Required				
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OHD045243706		H. Facility's Phone 619-726-1521		I. Waste No.						
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.			
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						No. 1	Type DT	00015	Y K087			
b.												
c.												
d.												
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above						
a. Haz. Code Physical State L11 L19		c. Haz. Code Physical State L11 L11		b. Handling Codes SCLFID91		d.						
b. Haz. Code Physical State L11 L11		d. Haz. Code Physical State L11 L11										
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX 34 Slc T 13120 P												
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.												
Printed/Typed Name J. Kurt Angermeyer				Signature <i>J. Kurt Angermeyer</i>			Month Day Year 10 02 88					
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name B.J. Mayfield			Signature <i>B.J. Mayfield</i>			Month Day Year 18 12 88		
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name			Signature			Month Day Year		
19. Discrepancy Indication Space												
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest, except as noted in Item 19.												
Printed/Typed Name Jeff H. H...				Signature <i>Jeff H. H...</i>			Month Day Year 12 4 88					



Bureau of Waste Management
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in case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 1000-73		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.		
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723793		B. State Gen. ID		
4. Generator's Phone 215, 535-7222				6. US EPA ID Number NJDO67387514		C. State Trans. ID PA-AH 101071		D. Transporter's Phone 609 931 0950		
5. Transporter 1 Company Name CONTINENTAL VANGUARD				8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone ()		
7. Transporter 2 Company Name				10. US EPA ID Number OHDO45243706		G. State Facility's ID Not Required		H. Facility's Phone 619-726-1521		
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616						12. Containers		13. Total Quantity		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						No.		Type		
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						1		DT		
b.								000.15		
c.								3293 T		
d.								65860 P		
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above				
a. LTT LIS		c. [] []		a. D81		c.				
b. [] []		d. [] []		b. see E d.		c.				
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850Ax										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					Printed/Typed Name T. K. R. ANGERMEIER		Signature		Month Day Year 6/22/88	
17. Transporter 1 Acknowledgment of Receipt of Materials					Printed/Typed Name JAMES LEES		Signature		Month Day Year 6/22/88	
18. Transporter 2 Acknowledgment of Receipt of Materials					Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.										
Printed/Typed Name Dale M. Paster					Signature		Month Day Year 1/8/07/88			



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD000427906**
Manifest Document No. **100072**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5723944
B. State Gen. ID

4. Generator's Phone **215, 535-7222**

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

C. State Trans. ID
PA-AH 101071

6. US EPA ID Number
NJ0067387514

7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616**

D. Transporter's Phone
609 931-0960

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID
Not Required

10. US EPA ID Number
OH0045243706

H. Facility's Phone
619-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a.	b.	c.	d.
RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E HA 9189 (K087)	1	DT	00.015
			31.34
			621.33 P

12. Containers

No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
1	DT	00.015	Y	K087
		31.34		
		621.33 P		

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
U7	US	U7	US

K. Handling Codes for Wastes Listed Above

S	U	F	D	S

15. Special Handling Instructions and Additional Information
**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
J. KURT ANGERMEIER

Signature
[Signature]
Month Day Year
10 20 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
JEFFREY

Signature
[Signature]
Month Day Year
10 21 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
A. DUGAN

Signature
[Signature]
Month Day Year
10 21 88

19. Discrepancy Indication Space
1 - 30% OF KILN WASTE APPLIED TO SOIL TO TREAT 32.34 T

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
[Name]

Signature
[Signature]
Month Day Year
10 21 88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD000427906**
Manifest Document No. **100071**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5723970

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJDO67387514

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **609 931-0950**

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
576 OTTER CREEK ROAD OREGON OHIO 43616**

10. US EPA ID Number
OHDO45243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone **419-726-1521**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
13. Total Quantity
14. Unit Wt/Vol
15. Waste No.

No.	Type	Total Quantity	Unit Wt/Vol	Waste No.
a. RQ HAZARDOUS WASTE SOLID ORM-E NA 9189 (K087)	1 DT	000.15	T	K087
b.		3268	T	
c.		65360	T	
d.				

12. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
a. LHT LIS			
b. [] []			
c. [] []			
d. [] []			

15. Special Handling Instructions and Additional Information
**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **J. Kurt Angerer**
Signature: *[Signature]*
Month Day Year: **880228**

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: **KEVIN MAYFIELD**
Signature: *[Signature]*
Month Day Year: **880228**

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name: _____
Signature: _____
Month Day Year: _____

19. Discrepancy Indication Space
1-TON OF KILNDUST ADDED TO STABILIZE LHM. 3368 T

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted by item 19.
Printed/Typed Name: **ERRY PAUL**
Signature: *[Signature]*
Month Day Year: **880228**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. PA0000427906	Manifest Document No. 100070	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.
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3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137

4. Generator's Phone (215) 535-7222

A. State Manifest Document Number
PAB 5723896

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJDO67387514

C. State Trans. ID
PA-AH 10-1-0-71

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
609 931 0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD OREGON OHIO 43616

10. US EPA ID Number
OHDO45243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID
Not Required

H. Facility's Phone: 619-726-1521

11. US DOT Description: (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)	1	DT	0.0.015	Y	K087
b.			5.8.7	T	
c.			59.740 P.		
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

a. Haz. Code: LT Physical State: LS	b. Haz. Code: LT Physical State: LS
c. Haz. Code: LT Physical State: LS	d. Haz. Code: LT Physical State: LS

K. Handling Codes for Wastes Listed Above
Self-Heating P81

15. Special Handling Instructions and Additional Information
SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **J. Kay Angermeier** Signature: [Signature] Month Day Year: **08 28 88**

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: **ED LYTTLE** Signature: [Signature] Month Day Year: **12 18 88**

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space
2 Ton of kilndust to stabilize load. 3187T

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: **JERRY PELLE** Signature: [Signature] Month Day Year: **12 18 88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA0000427906**
Manifest Document No. **00069**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5723885
B. State Gen. ID

4. Generator's Phone (**215**) **535-7222**

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NID067387514

C. State Trans. ID
PA-AH 10-1-0-71

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
609 931 0930

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616**

10. US EPA ID Number
OHDO45243706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID
719-726-1521

H. Facility's Phone
Not Required

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unh Wt/Vol	15. Waste No.
No.	Type		
a. 1	DT	00.015	K087
b. .	.	3678	T
c. .	.	53566	P.
d. .	.		

a. RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard codes)
a. Haz. Code **LT** Physical State **LS**
b. **LT** **LS**
c. **LT** **LS**
d. **LT** **LS**

K. Handling Codes for Wastes Listed Above
Self-081

15. Special Handling Instructions and Additional Information
**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
J. K. Angermeier

Signature
J. K. Angermeier
Month Day Year
08 28 88

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name
Edward Green

Signature
Edward Green
Month Day Year
10 20 88

19. Discrepancy Indication Space
1-Ton of kilndust = Stabilize Load .2778 T

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
Jeery Pille

Signature
Jeery Pille
Month Day Year
E. B. 88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
PA0000427906

Manifest Document No.
P00068

2. Page 1 of 1

Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137

A. State Manifest Document Number
PAB 5723874

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJDO67387514

C. State Trans. ID
PA-AH 10-1-0-71

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone 609 931-0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616

10. US EPA ID Number

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID Not Required

H. Facility's Phone 419-726-1321

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)

No.

Type

00.015

Y

K087

55960 P

2.798 T

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code Physical State

Haz. Code Physical State

K. Handling Codes for Wastes Listed Above

a. LHT LIS

b. LHT LIS

S, D, DS

15. Special Handling Instructions and Additional Information

SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

J. Kurt Angermeyer

Signature

[Signature]

Month Day Year
088-288

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

GLENN WETHEM

Signature

[Signature]

Month Day Year
088-288

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

3.5 TONS OF KILN DUST ADDED TO STREAMLINE LOAD 31.48 T

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JERRY P. ZUE

Signature

[Signature]

Month Day Year
088-288



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P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
PA000427906

Manifest Document No.
10.0.067

2. Page 1 of 1

Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137

A. State Manifest Document Number
EAB 5723863

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJDO67387514

C. State Trans. ID
PA-AH 10.1.0.71

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone 609 931 0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD OREGON OHIO 43616

10. US EPA ID Number
OHDO45243706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID Not Required

H. Facility's Phone 619 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)

No. Type

1 1 DT
0.0.0.1.5

Y

K087

b. . . .

47140 ?

c. . . .

24.57T

d. . . .

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code Physical State

Haz. Code Physical State

K. Handling Codes for Wastes Listed Above

a. LIT LIS

c. [] []

a. Self-Dest

b. [] []

d. [] []

b. [] []

15. Special Handling Instructions and Additional Information

SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

IKURT ANGERMEIER

Signature

[Signature]

Month Day Year

10 30 288

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

DAVID M. HURSEY

Signature

[Signature]

Month Day Year

10 2 88

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

1-TON OF KILN DUST ADDED TO STABILIZED LAM 25.57T

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JERRY PILL

Signature

[Signature]

Month Day Year

8.14 88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA0000427906**
Manifest Document No. **00066**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5723852

4. Generator's Phone **215, 535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
ND067387514

C. State Trans. ID
PA-AH 0:1-071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **6099310950**

9. Designated Facility Name and Site Address
**ENVIROSAPP SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43615**

10. US EPA ID Number
OHDO45243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **19-720-1521** **Not Required**
H. Facility's Phone ()

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

a. **RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)**

No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
1	DT	0.0015	Y	K087
		27.55	T	
		55.100	P	

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
III	LS	III	LS
III	LS	III	LS

K. Handling Codes for Wastes Listed Above
Self-Ident

15. Special Handling Instructions and Additional Information
**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
JOHN KURT ANGERMEIER

Signature
[Signature] Month Day Year
10 20 88

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name
Chris Baltzly

Signature
[Signature] Month Day Year
10 20 88

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Greg Pickle
Signature
[Signature] Month Day Year
10 20 88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD000427906**
Manifest Document No. **10-0085**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5724331

4. Generator's Phone **215 535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
DART

6. US EPA ID Number
OH0009865825

C. State Trans. ID
PA-AH 10.2.1.91

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
800 547-8206

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD OREGON OHIO 43616**

10. US EPA ID Number
OH045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone **419-726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
13. Total Quantity
14. Unit Wt/Vol
15. Waste No.

a. **RQ HAZARDOUS WASTE SOLID N.O.S. (K087)
ORM-E NA 9189**

b. **1**
c. **DT**
d. **000.15**
e. **Y**
f. **K087**

J. Additional Descriptions for Materials Listed Above (Include physical states and hazard codes)
Haz. Code Physical State
a. **III III**
b. **III III**
c. **III III**
d. **III III**

K. Handling Codes for Wastes Listed Above
a. **25.9T**
b. **5162811101**
c. **PCN 1850 AX**

15. Special Handling Instructions and Additional Information
SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **JAMES V. HUSTED** Signature *James V. Husted* Month Day Year **08 28 88**

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name **JAMES T. COX 932** Signature *James T. Cox 932* Month Day Year **08 28 88**

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name _____ Signature _____ Month Day Year _____



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD000427906** Manifest Document No. **100064**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
EAB 5723966

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
1J0067387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0952

9. Designated Facility Name and Site Address
**ENVIOSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD OREGON OHIO 43616**

10. US EPA ID Number
OHDO45243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (619) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

a.	No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)	1	DT	0.0015	Y	K087
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard codes)

K. Handling Codes for Wastes Listed Above

a. Haz. Code	b. Physical State	c. Haz. Code	d. Physical State	e.	f.
U1	U9	U1	U1	SELF	TD91
U1	U1	U1	U1		

15. Special Handling Instructions and Additional Information

**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX 2901T SW30P**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **JAMES V. HUSTED** Signature: *James V. Husted* Month Day Year: **10 8 88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **Doug Bell** Signature: *Doug Bell* Month Day Year: **10 8 88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space
4-Tons of kilndust to stabilize load 321 TONS.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Signature: Month Day Year: **10 8 88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
PAD000627906

Manifest Document No.
00063

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137

A. State Manifest Document Number
PAB 5770553

4. Generator's Phone | 215 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
MID067387514

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone 609 931-0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616

10. US EPA ID Number
OH00045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID Not Required

H. Facility's Phone 619-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		
1	D	000.15 Y	K087
		2521 T	
		5430 P	

a. RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Max. Code	Physical State	Max. Code	Physical State
a. LFT	LIS	c. UU	UU
b. UU	UU	d. UU	UU

K. Handling Codes for Wastes Listed Above

a. Self-DISI

15. Special Handling Instructions and Additional Information

SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
JAMES V. MUSTEO

Signature
James V. Musteo

Month Day Year
6 8 1988

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
BARRY BARRON

Signature
Barry Barron

Month Day Year
6 8 1988

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

2 Ton of kilndust - steelbridge local. 27.21T

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
JERRY PULLS

Signature
Jerry Pulls

Month Day Year
6 8 1988



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 00062		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723955		B. State Gen. ID					
4. Generator's Phone 215, 535-7222						C. State Trans. ID PA-AH 101071		D. Transporter's Phone 609 931-0950					
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number NJ0067387514			E. State Trans. ID PA-AH		F. Transporter's Phone ()					
7. Transporter 2 Company Name			8. US EPA ID Number			G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521					
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH0045243706							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID H.O.S. ORM-E NA 9189 (K087)						No. 1		Type DT		0.0015		Y K087	
b.						..		..		27.98		F	
c.						..		..		55760		P	
d.						..		..		..		..
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State		c. Haz. Code Physical State		b. Handling Code		d. Handling Code		Self-Gen. Dis.					
L00 L19		L00 L19		..		..		..
b. L00 L19		d. L00 L19		..		..		..
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name JAMES V. HUSTED						Signature <i>James V. Husted</i>				Month Day Year 08 | 02 | 88			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Randy Leeper						Signature <i>Randy Leeper</i>				Month Day Year 08 | 10 | 88			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space 1-Ton of Kieselst to stabilize load. 78.98 T													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name JERRY PICKLE						Signature <i>Jerry Pickle</i>				Month Day Year 08 13 88			



Bureau of Waste Management
P. O. Box 2063
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100061	2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.		
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA. 19137					A. State Manifest Document Number PAB 5724386				
4. Generator's Phone (215) 535-7222					B. State Gen. ID				
5. Transporter 1 Company Name XXXXXXXXXX DART					6. US EPA ID Number OH0009065825				
7. Transporter 2 Company Name					8. US EPA ID Number				
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 375 OTTER CREEK ROAD OREGON OHIO 43616					10. US EPA ID Number OH0045243706				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. 20 HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)					1		DT	00015	Y K087
b.					..		24.86	T	..
c.					..		4.72	P	..
d.					..				
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)					K. Handling Codes for Materials Listed Above				
a. <input type="checkbox"/> <input type="checkbox"/> US		c. <input type="checkbox"/> <input type="checkbox"/>		a. <i>SJF</i> D81					
b. <input type="checkbox"/> <input type="checkbox"/>		d. <input type="checkbox"/> <input type="checkbox"/>		b.					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name JAMES V. HUSTED					Signature <i>James V. Husted</i>			Month Day Year 10 02 88	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name RODNEY GUNTZUM					Signature <i>Rodney Guntrum</i>			Month Day Year 10 02 88	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name					Signature			Month Day Year	
19. Discrepancy Indication Spec									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name <i>EEB/Tickler</i>					Signature <i>[Signature]</i>			Month Day Year 10 02 88	

in case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

FACILITY

TRANSPORTER

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 00060		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.		
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724375				
4. Generator's Phone (215) 535-7222						B. State Gen. ID				
5. Transporter 1 Company Name XXXXXXXXXX DART						C. State Trans. ID PA-AH 10219				
6. US EPA ID Number XXXXXXXXXX						D. Transporter's Phone 800 541-8206				
7. Transporter 2 Company Name						E. State Trans. ID PA-AH				
8. US EPA ID Number						F. Transporter's Phone ()				
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						G. State Facility's ID Not Required				
10. US EPA ID Number GHDO45243706						H. Facility's Phone 619-726-1521				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						No. Type		00015	Y	K087
b.								21.08	T	
c.								42160	P	
d.										
J: Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above				
a. Haz. Code Physical State		c. Haz. Code Physical State		b.		d.		S.O.F. (D8)		
LIT LIS		UU UU								
UU UU		UU UU								
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name JAMES V. HUSTED						Signature <i>James V. Husted</i>		Month Day Year 08/02/88		
17. Transporter 1 Acknowledgment of Receipt of Materials						Printed/Typed Name DON DEGIOVANNI		Signature <i>Don DeGiovanni</i>		Month Day Year 08/02/88
18. Transporter 2 Acknowledgment of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space						TRUCK # 9567				
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name Jerr/Pick		Signature <i>Jerr Pick</i>		Month Day Year 08/03/88



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Harrisburg, PA 17120

Form approved.
OMB No. 2050-0039
Expires 9-30-88

ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA0000427906** Manifest Document No. **000059** 2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5724342
B. State Gen. ID

4. Generator's Phone (215) 535-7222
5. Transporter 1 Company Name **DART** 6. US EPA ID Number **OH0009865825**

C. State Trans. ID
PA-AH 102-191
D. Transporter's Phone (800) 541-8200

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Trans. ID
PA-AH
F. Transporter's Phone

9. Designated Facility Name and Site Address
**ENVIRONMENTAL SERVICES OF OHIO, INC.
375 OTTER CREEK ROAD OREGON OHIO 43616**

G. State Facility's ID
Not Required
H. Facility's Phone
619-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORN-E NA 9189 (K087)	1	DT	00015	Y	K087
b.			37.37 T		
c.			58.740 P		
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

a. LT LT	c. LT LT
b. LT LT	d. LT LT

K. Handling Codes for Wastes Listed Above
Self-Test

15. Special Handling Instructions and Additional Information
**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **JAMES V. HUSTED** Signature *James V. Husted* Month Day Year **10 21 88**

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name **CHARLES L. GROFF** Signature *Charles L. Groff* Month Day Year **10 21 88**

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space
4-Tons of solvent - not listed on manifest **33.37 T**

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest (except as noted in item 19).
Printed/Typed Name **Jerome Pickle** Signature *Jerome Pickle* Month Day Year **10 21 88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 00058	2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.		
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137					A. State Manifest Document Number PAB 5723981		B. State Gen. ID		
4. Generator's Phone (215) 535-7222					C. State Trans. ID PA-AH 01071		D. Transporter's Phone 609-931-0950		
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number NJ006738751A		E. State Trans. ID PA-AH		F. Transporter's Phone ()		
7. Transporter 2 Company Name			8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521		
9. Designated Facility Name and Site Address ENVIRONSAFE SERVICES OF OHIO, INC. 976 OTTER CREEK ROAD OREGON OHIO 43616					10. US EPA ID Number OH0045243706				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E VA 9189					No.	Type	15	Y	K087
b.							28.37	T	
c.							56.746	P	
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)					K. Handling Codes for Wastes Listed Above				
a. Haz. Code LIT		Physical State LIS		c. Haz. Code UU		Physical State UU		e. Handling Code S, D, B1	
b. Haz. Code UU		Physical State UU		d. Haz. Code UU		Physical State UU		f. Handling Code D	
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>			Month Day Year 08 02 88		
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name FRANCESCO				Signature <i>Francesco</i>			Month Day Year 08 05 88		
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature			Month Day Year		
19. Discrepancy Indication Space 2-Ton of kilndust to stabilize load. 30.37T									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name JERRY PIZKE				Signature <i>Jerry Pizke</i>			Month Day Year 08 05 88		



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906	Manifest Document No. 00037	2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				A. State Manifest Document Number PAB 5724353		B. State Gen. ID	
4. Generator's Phone 215, 535-7222				C. State Trans. ID PA-AH 102191		D. Transporter's Phone 800 541-8208	
5. Transporter 1 Company Name DART		6. US EPA ID Number OH0009865825		E. State Trans. ID PA-AH		F. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 419-726-1511	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616				10. US EPA ID Number OH0045243706			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers	
a. 30 HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type	
						13. Total Quantity	
						14. Unit Wt/Vol	
						15. Waste No.	
						00015	
						2234 T	
						44680 T	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above	
a. Haz. Code Physical State LIT US		c. Haz. Code Physical State		a. Handling Code		b. Handling Code	
b. Haz. Code Physical State		d. Haz. Code Physical State		c. Handling Code		d. Handling Code	
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>		Month Day Year 08/02/88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JAMES R DURNAN				Signature <i>James R Durnan</i>		Month Day Year 08/24/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space 1-Ton of kindred to stabilize load. 2334T							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name JERRY PICKLE				Signature <i>Jerry Pickle</i>		Month Day Year 10/13	



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100-056		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724412	
4. Generator's Phone (215) 535-7222						B. State Gen. ID	
5. Transporter 1 Company Name JOHN PROMMER				6. US EPA ID Number PA0008731072		C. State Trans. ID PA-AH	
7. Transporter 2 Company Name DART TRUCKING				8. US EPA ID Number 10HD009865825		D. Transporter's Phone ()	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43615						E. State Trans. ID PA-AH 102-191	
10. US EPA ID Number OHDO45243706						F. Transporter's Phone (800) 541-8206	
						G. State Facility's ID Not Required	
						H. Facility's Phone (919) 726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers	
a. RM HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type	
						13. Total Quantity	
						14. Unit Wt/Vol	
						15. Waste No.	
b.						1.5 Y K087	
c.						22.7 T	
d.						4.5400 P	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above	
a. LIT LI				c. LIT LI		Self-Dis	
b. LIT LI				d. LIT LI		b. d.	
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>J. Kurt Angermeier</i>		Month Day Year 10/20/88	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Bob Benjamin				Signature <i>Bob Benjamin</i>		Month Day Year 10/20/88	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space 1 ton material used to stabilize load 24.7 T							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jerry P. H.				Signature <i>Jerry P. H.</i>		Month Day Year E 10 88	



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100055		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				6. US EPA ID Number NJ0067387514		A. State Manifest Document Number PAB 5723992	
4. Generator's Phone (215) 535-7222				8. US EPA ID Number		B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				10. US EPA ID Number OH0045243706		C. State Trans. ID PA-AH 101071	
7. Transporter 2 Company Name				13. Total Quantity 1.5		D. Transporter's Phone 609 931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616				14. Unit Wt/Vol Y		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN		F. Transporter's Phone ()	
12. Containers a. No. Type b. c. d.				16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: J. KURT ANGERMEIER Signature: [Signature] Month Day Year: 080188	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code) a. Haz. Code Physical State b. c. d.				18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year		K. Handling Codes for Wastes Listed Above a. Self b. d.	
19. Discrepancy Indication Space				20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name: JERRY PICKER Signature: [Signature] Month Day Year: 8-10-88		19. Discrepancy Indication Space	



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. PA0000427906
Manifest Document No. 100054

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COB CO.
RICHMOND & ORTHODOX-STREETS PHILA. PA 19137

A. State Manifest Document Number
FAB 5724003

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJD067387514

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
ENVIOSAFE SERVICES OF OHIO, INC.
976 OTTER CREEK ROAD OREGON OHIO 43616

10. US EPA ID Number
OHB045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone
G. State Facility's ID Not Required
H. Facility's Phone 419-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
13. Total Quantity
14. Unit Wt/Vol
15. Waste No.

a. RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189

1 1 DT 15 K087

b.

21.92

c.

43640

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code Physical State

Haz. Code Physical State

a. UG UG

c. UG UG

b. UG UG

d. UG UG

K. Handling Codes for Wastes Listed Above

a. SUFFI D31

15. Special Handling Instructions and Additional Information

SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION
PCN 1850 AF

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
J. KURT ANGERMEIER

Signature
J. Kurt Angermeier

Month Day Year
08 01 1988

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

Added PCN 1850 AF (RANG) 3/2/88

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Month Day Year

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 00033		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724014		B. State Gen. ID					
4. Generator's Phone 215, 535-7222		6. US EPA ID Number NJ067387514		C. State Trans. ID PA-AH 0107		D. Transporter's Phone (609) 931-0950		E. State Trans. ID PA-AH					
5. Transporter 1 Company Name CONTINENTAL VANGUARD		7. Transporter 2 Company Name		8. US EPA ID Number		F. Transporter's Phone		G. State Facility's ID Not Required					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH0045243706		H. Facility's Phone 619-726-1521					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. 1 Type DT		1.5		Y		K087	
b.													
c.													
d.								237 T					
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State LM LS		c. Haz. Code Physical State LM LS		b. SCLE T, D91		d.							
b. LM LS		d. LM LS											
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. KUET ANGERMEIER						Signature <i>J. Kuet Angermeier</i>				Month Day Year 080188			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name John Barzant						Signature <i>John Barzant</i>				Month Day Year 080188			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space Add'l Pwd per Cert. Disposal 8/2/08 4P													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name J-H HARDING						Signature <i>J-H Harding</i>				Month Day Year 080208			



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD000427906**
Manifest Document No. **100052**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5724434

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
JOHN PEROMMER

6. US EPA ID Number
PAD0003751072

C. State Trans. ID
PA-AH

7. Transporter 2 Company Name
CONTINENTAL VAN-WARD

8. US EPA ID Number
INJ-0067387514

D. Transporter's Phone ()

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
375 OTTER CREEK ROAD OREGON OHIO 43616**

10. US EPA ID Number
OHFD045243706

E. State Trans. ID
PA-AH 0107

F. Transporter's Phone **604-931-0930**

G. State Facility's ID **Not Required**

H. Facility's Phone **419-726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. **RQ HAZARDOUS WASTE SOLID H.O.S.
ORM-E NA 9189**

b. **1 DT**

c. **15**

d. **T**

e. **K087**

b.
c.
d.

f. **57800 P**
g. **26.411 T**

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard codes)

K. Handling Codes for Wastes Listed Above

a. **LT US**
b. **UU UU**
c. **UU UU**
d. **UU UU**

a.
b. **S, I, C, D, S**
c.

15. Special Handling Instructions and Additional Information

**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
J. Kurt Angermeier

Signature
J. Kurt Angermeier
Month Day Year
12 20 1988

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space
Added Per per Chris Juson 01/08/89

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.

Printed/Typed Name
Kerry Pizelle

Signature
Kerry Pizelle
Month Day Year
10 21 88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427006		Manifest Document No. 10-0051		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137		4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name JOHN P. PRATER		6. US EPA ID Number PA0003781072		A. State Manifest Document Number PAB 5724445	
7. Transporter 2 Company Name DART TRUCKING		8. US EPA ID Number 104-D009865825		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 375 OTTER CREEK ROAD ORZGON OHIO 43616		10. US EPA ID Number OH0045243706		C. State Trans. ID PA-AH		D. Transporter's Phone PA-AH 10-2-191	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.		F. Transporter's Phone 800 541-8206	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E MA 9189		No. 1		Type DT		1.5 Y		K087		G. State Facility's ID Not Required	
b.		..		..		2424 T		..		H. Facility's Phone 419-726-1521	
c.		..		..		4840 P		..		..
d.		..		..		..		..		..
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)		K. Handling Code for Wastes Listed Above		..		..		..		..
a. LH LS		c. LL LL		b. [Signature]		d. [Signature]		..		..
b. LL LL		d. LL LL		..		..		..		..
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION PCN 1850 AR											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations... NO PROBLEM TRUCKS											
Printed/Typed Name J. Kiet ANGERMEIER				Signature [Signature]				Month Day Year 080188			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name John BROOKS				Signature [Signature]				Month Day Year 1030188			
19. Discrepancy Indication Space PCN ISSUES PER CRAIG JUST J 8/2/88 JEP											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name JERRY PELLE				Signature [Signature]				Month Day Year 101088			



Bureau of Waste Management
P. O. Box 2063
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's MS EPA ID No. PA5000427906		Manifest Document No. 10-005-0		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724423	
4. Generator's Phone () 215 535-7222						B. State Gen. ID	
5. Transporter 1 Company Name JOHN PEROMMER			6. US EPA ID Number PA0009781072			C. State Trans. ID PA-AH	
7. Transporter 2 Company Name DART TRUCKING			8. US EPA ID Number 1040009865825			D. Transporter's Phone ()	
9. Designated Facility Name and Site Address ENVIRSAFE SERVICES OF OHIO, INC. 875 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH 10-2-191	
10. US EPA ID Number OHDO45243706						F. Transporter's Phone 800 541-4206	
						G. State Facility's ID Not Required	
						H. Facility's Phone 419-726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type	
						13. Total Quantity	
						14. Unit Wt/Vol	
						15. Waste No.	
						K. Handling Codes for Wastes Listed Above	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)							
a. LHT LIS						c. [] []	
b. [] []						d. [] []	
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name KURT ANGERMEIER			Signature <i>[Signature]</i>			Month Day Year 080188	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name			Signature			Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name Parker Taguold			Signature <i>[Signature]</i>			Month Day Year 10-8-11-88	
19. Discrepancy Indication Space Added per [unclear] [unclear] [unclear]							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JERRY Pelt			Signature <i>[Signature]</i>			Month Day Year 10-2-88	



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 10-0049		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5724456		B. State Gen. ID	
4. Generator's Phone (215) 535-7222						C. State Trans. ID PA-AH		D. Transporter's Phone ()	
5. Transporter 1 Company Name JOHN PROFFER			6. US EPA ID Number PA0008791072			E. State Trans. ID PA-AH 102191		F. Transporter's Phone (800) 541-8206	
7. Transporter 2 Company Name DART TRUCKING						8. US EPA ID Number 10-400-098-658-25		G. State Facility's ID Not Required	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 875 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH0045243706		H. Facility's Phone (19) 726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-B NA 9189						No. Type		14. Unit Wt/Vol	
						1 1 DT		Y K087	
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		c. Haz. Code Physical State		b.		d.			
LUL US\$		LUL US\$		a. SELF TANK					
b. LUL US\$		d. LUL US\$		b.					
15. Special Handling Instructions and Additional Information									
SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKE OPERATION - 2 PCN 2912 & 472101 NO PERMITTED TRUCKS									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. KUET ANGERMEIER					Signature <i>J. Kuet Angermier</i>			Month Day Year 8 8 1988	
17. Transporter 1 Acknowledgment of Receipt of Materials									
Printed/Typed Name					Signature			Month Day Year	
18. Transporter 2 Acknowledgment of Receipt of Materials									
Printed/Typed Name DONALD PETERSON 858					Signature <i>Donald Peterson 858</i>			Month Day Year 10-9-1988	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name JEFF HARDING					Signature <i>Jeff Harding</i>			Month Day Year 10/9/88	



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAD000427906		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				A. State Manifest Document Number PAB 5770531		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				6. US EPA ID Number PAD008781073		C. State Trans. ID PA-AH	
5. Transporter 1 Company Name JOHN PERONNER				8. US EPA ID Number 1040009865925		D. Transporter's Phone ()	
7. Transporter 2 Company Name DART TRUCKING				10. US EPA ID Number OHDO45243706		E. State Trans. ID PA-AH 622191	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 375 OTTER CREEK ROAD OREGON OHIO 43616				F. Transporter's Phone (800) 571-9206		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
				1. 1 DT		Y K087	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LIT LIS		c. UU UU		e.		g.	
b. UU UU		d. UU UU		b. SCSD91			
15. Special Handling Instructions and Additional Information							
SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 185U AT 22 lot 453209 DART IS TRANS 92 NO FRUITER TRKS							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name J. HANSEMEIER				Signature <i>J. Hansemeier</i>		Month Day Year 08 01 88	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name MIKE RIGGS				Signature <i>Mike Riggs</i>		Month Day Year 10 30 88	
19. Discrepancy Indication Space							
Added per Cert. June 8/2/88 esp.							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name J. HARRIS				Signature <i>J. Harris</i>		Month Day Year 13 02 88	



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GENERATOR and the PA DER (717) 787-4343

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100097		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5771006		B. State Gen. ID			
4. Generator's Phone 215 535-7222						C. State Trans. ID PA-AH 102191		D. Transporter's Phone 800 541 8226			
5. Transporter 1 Company Name DART TRUCKING				6. US EPA ID Number OH0009865825		E. State Trans. ID PA-AH		F. Transporter's Phone			
7. Transporter 2 Company Name				8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521			
9. Designated Facility Name and Site Address ENVIRONSAP SERVICES OF OHIO, INC. 375 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OHDO45243706					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity			
a. RO HAZARDOUS WASTE SOLID Y.O.S. ORM-E NA 9189 (K087)						No. 1 Type DT		14. Unit Wu/Vol Y			
b.								1. Waste No. K087			
c.											
d.											
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. LIT LIS		c. [] []		b. SLEI 001							
b. [] []		d. [] []									
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCV 1850 AX 26.05T 52100P											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name J.K. RANSERMEIER		Signature <i>J.K. Ransermeier</i>		Month Day Year 08 10 1988	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name DAVID L. RIGGS 273		Signature <i>David L. Riggs</i>		Month Day Year 10 20 1988	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name J.H. HAROWIC						Signature <i>J.H. Harowic</i>		Month Day Year 10 12 88			



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA D000427906		Manifest Document No. 10-0046		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number FAB 5770542	
4. Generator's Phone (215) 535-7222						B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD						6. N.J.D. US EPA ID Number 067387514	
7. Transporter 2 Company Name						C. State Trans. ID PA-AH 10-10-71	
8. US EPA ID Number						D. Transporter's Phone (609) 901-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OHIO INC 876 OTTER CREEK RD OREGON, OHIO 43066						E. State Trans. ID PA-AH	
10. US EPA ID Number 10H D045243706						F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						G. State Facility's ID Not Required	
12. Containers						H. Facility's Phone (419) 726-1521	
a. RQ HAZARDOUS WASTE SOLID N.D.S. ORM-E NA9189 (K087)						12. Containers No. Type 0010 T 0001 SY K087	
b. Soil Contaminated with Tar Decanter Sludge from Coking Operations						13. Total Quantity 24.11	
c.						14. Unit Wt/Vol T	
d.						15. Waste No. 48020P	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above	
a. LIT LIS		c. U U		b. Self-Heating		d.	
b. U U		d. U U					
15. Special Handling Instructions and Additional Information PCN # 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>		Month Day Year 10 13 08	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name DANIEL W. AFFELLY		Signature <i>Daniel W. Affelly</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JERRY PICKLE				Signature <i>Jerry Pickle</i>		Month Day Year 11 15 08	



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA00009279060004		Manifest Document No. 0004		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY PHILADELPHIA PA RICHMOND + CARTHODOX ST						A. State Manifest Document Number PA 5723281					
4. Generator's Phone (215) 535-7222						B. State Gen. ID 19137					
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number NJ.D06.7387.514		C. State Trans. ID PA-AH 101-071					
7. Transporter 2 Company Name						D. Transporter's Phone 609931-0950					
9. Designated Facility Name and Site Address ENVIKOSAFE SERVICE CHIO INC 976 OTTER CREEK RD. CLEGON CHIO 43616						E. State Trans. ID PA-AH					
10. US EPA ID Number 10.H.00.45243.706						F. Transporter's Phone ()					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) RCG HAZZARDOUS WASTE SOLID N.O.S. PRIME NA 9189 (K087)						12. Containers No. Type 001 DT		13. Total Quantity 000.15 Y		14. Unit Wt/Vol K08.7	
Soil Contaminated with Tar Decanter Sludge from Cooling Operations								78.48 T			
								56560 P.			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. HT US		c. UU UU		b. SJG.DS		d.					
b. UU UU		d. UU UU									
15. Special Handling Instructions and Additional Information PCN # 1850 AX											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name J. K. ANSERMEIER				Signature <i>[Signature]</i>				Month Day Year 6 26 88			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name R. D. Miller				Signature <i>[Signature]</i>				Month Day Year 7 17 88			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name EDDY CUL				Signature <i>[Signature]</i>				Month Day Year 7 11 88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D0004279-C-000044		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY PHILADELPHIA RICHMOND + ORTHODOX ST. PA 19137						A. State Manifest Document Number EAB 5723362									
4. Generator's Phone 215-535-7222						B. State Gen. ID									
5. Transporter 1 Company Name CONTINENTAL VANGUARD						C. State Trans. ID PA-AH 0183									
6. US EPA ID Number N.J. D067387514						D. Transporter's Phone 609									
7. Transporter 2 Company Name						E. State Trans. ID PA-AH									
8. US EPA ID Number						F. Transporter's Phone									
9. Designated Facility Name and Site Address ENTRICKSAFE SERVICES CHIC INC. 476 CREEK CREEK RD WEGON CH. 43616						G. State Facility's ID Not Required									
10. US EPA ID Number O.H. D045243706						H. Facility's Phone 419-726-1521									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. RC HAZZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						001 DT		00015		Y		K087			
b. Soil Contaminated with Tar Decanter Sludge from Coaling Operations						0554		T							
c.						51880		P							
d.															
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above									
a. Haz. Code Physical State LH US		c. Haz. Code Physical State LH US		e. Handling Codes P, D, X		b. Handling Codes		d. Handling Codes							
15. Special Handling Instructions and Additional Information PCN # 1850 AX															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										Printed/Typed Name J. Kurt Angermeyer		Signature <i>J. Kurt Angermeyer</i>		Month Day Year 07 29 88	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name D. J. P. Wilkins		Signature <i>D. J. P. Wilkins</i>		Month Day Year 10 29 88					
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year					
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										Printed/Typed Name Jerry P. ...		Signature <i>Jerry P. ...</i>		Month Day Year 09 11 88	

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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P. O. Box 2063
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OMB No. 2050-003
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA D000427906100043		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY PHILADELPHIA PA RICHMOND + ORTHODOX ST				A. State Manifest Document Number PAB 5723336		B. State Gen. ID	
4. Generator's Phone 215 535-7222 19137				C. State Trans. ID PA-AH 10107		D. Transporter's Phone 609 931-0988	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number IND 067387514		E. State Trans. ID PA-AH	
7. Transporter 2 Company Name				8. US EPA ID Number		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICE OF OHIO INC. 776 OTTECK CREEK RD. CREGON OH 43616				10. US EPA ID Number 104 D045243706		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. RG HAZZARDOUS WASTE SOLID NO. 5. MORON-E NA 9189 (K087)				No. Type		Unit Waste No.	
b. [Soil Contaminated with Tar Decanter Sludge from Coking Operations]				001DT		0.0.0.1.54 K087	
c.						540 T	
d.						540 P	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State L1 L1		c. Haz. Code Physical State L1 L1		e. Handling Code S1 D1		d.	
b. Haz. Code Physical State L1 L1		d. Haz. Code Physical State L1 L1					
15. Special Handling Instructions and Additional Information PCN # R50 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>[Signature]</i>		Month Day Year 10-7-88	
17. Transporter 1 Acknowledgment of Receipt of Materials							
Printed/Typed Name JAMES LEES				Signature <i>[Signature]</i>		Month Day Year 10-7-88	
18. Transporter 2 Acknowledgment of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name MARY PICKLE				Signature <i>[Signature]</i>		Month Day Year 10-1-88	



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA-D00C-04279069-00042**
Manifest Document No.

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE COMPANY
RICHMOND + ORTHODOX ST. PHILADELPHIA PA.**

A. State Manifest Document Number
PAB 5723292

4. Generator's Phone **215 535-7222 19137**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NE0067387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **609 931-0920**

9. Designated Facility Name and Site Address
**ENVIRO SAFE SERVICE OF OHIO INC
976 OTTER CREEK RD
CREECH OH 43616 104-0045243706**

10. US EPA ID Number

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone: **419 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		
a.	20	10-T	000.15 Y K08.7
b.			2593 T
c.			5.1860?
d.			

a. **RQ HAZZARDOUS WASTE SOLID N.O.S.
MORPH-E NA 9189 (K087)**

b. **[Soil Contaminated with Tar Deanter
Sludge from Logging Operations]**

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
a. L11	US	c. U1	U1
b. U1	U1	d. U1	U1

K. Handling Codes for Wastes Listed Above
a. **Self Dis**

15. Special Handling Instructions and Additional Information
PCN # 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **J. KET ANSERMEIER** Signature *[Signature]* Month Day Year **07 29 88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **GLENN KLINK** Signature *[Signature]* Month Day Year **10 27 88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name **JERRY P. ZUK** Signature *[Signature]* Month Day Year **10 1 88**

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-DC0042790600041		Manifest Document No. 100041		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address PHILADELPHIA CORE COMPANY RICHMOND + ORTHO DOX ST. PHILADELPHIA PA.				A. State Manifest Document Number: PAB 5723303		B. State Gen. ID	
4. Generator's Phone 215 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number INJ-DO673875-1-4		C. State Trans. ID PA-AH 101071		D. Transporter's Phone (609) 931-0950	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone ()		G. State Facility's ID Not Required	
9. Designated Facility Name and Site Address ENLIKOSAFE SERVICE OF OHIO INC. 876 OTTER CREEK RD. CREGON OH 43616		10. US EPA ID Number OH-DO45243706		H. Facility's Phone 419 226-1531		I. Waste No.			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. RQ HAZZARDOUS WASTE SOLID N.O.S				No. Type					
b. SOIL CONTAMINATED WITH TAR DECANTER SLUDGE FROM COILING OPERATIONS				001 DT		0.0.0.1.5		PK08.7	
c. Soil Contaminated with Tar Decanter Sludge from Coiling Operations						24.77		T	
d. 48540 P									
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above					
a. U1 U1		c. U1 U1		a. Self-Heating					
b. U1 U1		d. U1 U1		b. D8					
15. Special Handling Instructions and Additional Information PCN 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. K. ANGERMEIER				Signature <i>[Signature]</i>				Month Day Year 10 7 1988	
17. Transporter 1 Acknowledgment of Receipt of Materials									
Printed/Typed Name ROSENBERG				Signature <i>[Signature]</i>				Month Day Year 10 15 1988	
18. Transporter 2 Acknowledgment of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name DEER				Signature <i>[Signature]</i>				Month Day Year 11 11 88	



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US ERA ID No. PA-D0004279063040		Manifest Document No. 3040		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law:	
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY RICHMOND + ORTHODOX ST. PHILADELPHIA PA.						A. State Manifest Document Number PAB 5723314		B. State Gen. ID	
4. Generator's Phone 215 535-7222 FI 37						C. State Trans. ID PA-AH 101071		D. Transporter's Phone 609 931-0950	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number INJ-D067387514		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
7. Transporter 2 Company Name				8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone ()	
9. Designated Facility Name and Site Address ENLICKSAFTE SERVICE CO. OHIO INC 4760 MTEK CREEK RD. CREGON OHIO 43616				10. US EPA ID Number OH-D045243704		G. State Facility's ID Not Required		H. Facility's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
*RG HAZZARDOUS WASTE SOLID N.O.S.						No. Type		14. Unit Wt/Vol	
MORMI-E NA 9189 (K087)						001 DT		000.15 Y K087	
[Soil Contaminated with Tar Deaarter sludge from Coling Operations]								25.44 T	
								47280 P	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		c. Haz. Code Physical State		b. Self ID		d.			
LIT LIS		UU UU							
UU UU		UU UU							
15. Special Handling Instructions and Additional Information PCN # 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. Kurt Ansermeier				Signature [Signature]		Month Day Year 10 29 88			
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name WILL WEHR				Signature Will Wehr		Month Day Year 10 29 88			
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name [Signature]				Signature [Signature]		Month Day Year 11 18 88			



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA00042790600039		Manifest Document No. 600039		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address: PHILADELPHIA CORE COMPANY PHILADELPHIA PA. RICHMOND + ORTHODOX ST. 9137						A. State Manifest Document Number PAB 5723325							
4. Generator's Phone 215 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number PA-AH 101071			C. State Trans. ID PA-AH 101071							
7. Transporter 2 Company Name						D. Transporter's Phone 609-931-0905							
9. Designated Facility Name and Site Address: ENLIXSAFE SERVICE OF OHIO INC. 876 OTTER CREEK RD. OREGON OH. 43616						E. State Trans. ID PA-AH							
10. US EPA ID Number PA00045243706						F. Transporter's Phone ()							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
RG HAZZARDOUS WASTE SOLID N.O.S. PCN - E NA 9189 (K087) [Soil Contaminated with Tar Decanter Sludge from Cooling Operations]						No.		Type					
						001		DT		0001.5		Y		K087
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. LT US		c. UU UU		b. Self DSL		d.							
b. UU UU		d. UU UU											
15. Special Handling Instructions and Additional Information PCN # 1850 AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. Kurt Angermeyer				Signature <i>[Signature]</i>				Month Day Year 10 7 29 1988					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Debra Smith				Signature <i>[Signature]</i>				Month Day Year 10 7 29 1988					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name Debra				Signature <i>[Signature]</i>				Month Day Year 10 7 29 1988					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.													
Printed/Typed Name ERRY P. Z...				Signature <i>[Signature]</i>				Month Day Year 10 7 29 1988					



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A. 0004279-0610038		Manifest Document No. 0038		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY RICHMOND & ORTHODOX ST. PHILADELPHIA, PA.						A. State Manifest Document Number PAB 5723373									
4. Generator's Phone (215) 535-7222						B. State Gen. ID									
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number N.J. D.0.6.7.38.751.4		C. State Trans. ID PA-AH 10-1-0-71									
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone (609) 931-0950									
9. Designated Facility Name and Site Address ENVIRO SAFE SERVICES, OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616						10. US EPA ID Number 10.H.D.0.4.52.437.0.6									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. RM HAZARDOUS WASTE SOLID N.O.S.						No.		Type							
						0-01		D.T		0.0.0.1.5		Y		K.0.8.7	
b. Soil Contaminated with Tar Decont. Sludge from Coling Operations								5786		P					
c.								299		T					
d.															
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above									
a. Haz. Code		Physical State		c. Haz. Code		Physical State		b.		d.					
LIT		US		LIT		LIT		J. H. P.		LIT					
LIT		LIT		LIT		LIT				LIT					
15. Special Handling Instructions and Additional Information PCN # 1850 AX															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name J. KURT ANGERMEIER						Signature <i>J. Kurt Angermeier</i>						Month Day Year 10-29-88			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name DAVE Smith						Signature <i>Dave Smith</i>		Month Day Year 11-1-88	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name						Signature		Month Day Year 10-13-88	
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.															
Printed/Typed Name ERRY P. H.						Signature <i>ERRY P. H.</i>						Month Day Year 11-1-88			



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD000427906**
Manifest Document No. **100037**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5771010

4. Generator's Phone (**215**) **535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
DART TRUCKING

6. US EPA ID Number
OHAD009865825

C. State Trans. ID
PA-AH 02-1-91

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (**800 541-9206**)

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616**

10. US EPA ID Number
OHDO45243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**
H. Facility's Phone (**419-726-1521**)

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a.	1	DR	K087
b.	0.0.0.15	Y	
c.			
d.			

a. **RO HAZARDOUS WASTE SOLID N.O.S.
ORM-R NA 9199 (K087)**

GENERATOR

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
a. L41	L19	c. U1	U1
b. U1	U1	d. U1	U1

K. Handling Codes for Wastes Listed Above

a. **DFI**
b. **SCF**
c. **CLMT**

15. Special Handling Instructions and Additional Information

**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX
22.09T 44180**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
J. KURT ANGERMEIER

Signature
[Signature]

Month Day Year
10 29 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
DANIEL J. FIRE - 940

Signature
[Signature]

Month Day Year
10 29 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Dale M Partner

Signature
[Signature]

Month Day Year
10 31 88

in case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

TRANSPORTER

FACILITY



Bureau of Waste Management
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 00036		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723185		B. State Gen. ID					
4. Generator's Phone (215) 535-7222						C. State Trans. ID PA-AH 101-07		D. Transporter's Phone (609) 931-0950					
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number N.J. D0-673-8-7-51-4			E. State Trans. ID PA-AH		F. Transporter's Phone					
7. Transporter 2 Company Name			8. US EPA ID Number			G. State Facility's ID Not Required		H. Facility's Phone (419) 726-1521					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH0045243706							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9139						No. Type 1 DT		0.0-01.5		Y		K087	
b.						..		22.85 T					
c.						..		45700 P					
d.						..							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. LIT LIS		c. [] []		b. [] []		d. [] []		[Signature]					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name IKURT ANSERMEIER				Signature [Signature]				Month Day Year 02 29 88					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name MARK J IUES		Signature [Signature]		Month Day Year 1 7 29 88			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name JERRY PIZLIK				Signature [Signature]				Month Day Year 1 11 88					



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If use of an alternative to this form is necessary, call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0007427905		Manifest Document No. 00035		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.											
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723174		B. State Gen. ID											
4. Generator's Phone (215) 535-7222						C. State Trans. ID PA-AH 01071		D. Transporter's Phone (609) 931-0950											
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number NJ-D06-7387514		E. State Facility's ID PA-AH		F. Transporter's Phone ()											
7. Transporter 2 Company Name				8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521											
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO, INC. 375 OTTER CREEK ROAD GREGON OHIO 43616						10. US EPA ID Number OH045243796													
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.							
						a. 20 HAZARDOUS WASTE SOLID N.O.S. ORN-E NA 0189						1. 1		DT		0.0015		Y R087	
						b.							24.71 T		..	
						c.							49580 P		..	
						d.						
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Materials Listed Above													
a. LHT LIS		c. [] []		b. [] []		d. [] []		e. [] []		f. [] []		g. [] []							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX																			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																			
Printed/Typed Name J. KURT ANGERMEIER						Signature <i>[Signature]</i>				Month Day Year 10-7-88									
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name RONALD MILLER				Signature <i>[Signature]</i>				Month Day Year 10-7-88					
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space																			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																			
Printed/Typed Name JERRY []						Signature <i>[Signature]</i>				Month Day Year [] [] []									



Bureau of Waste Management
P. O. Box 2063
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 20034		2. Page: 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PA 5723222	
4. Generator's Phone 215 535-7222						B. State Gen. ID	
5. Transporter 1 Company Name DART TRUCKING				6. US EPA ID Number OHDC09065525		C. State Trans. ID PA-AH 102191	
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 800 541-8206	
9. Designated Facility Name and Site Address WASTE SAFETY SERVICES OF OHIO, INC. 176 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH	
10. US EPA ID Number OHDO45243706						F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						G. State Facility's ID Not Required	
12. Containers						H. Facility's Phone 419-726-1521	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (K087)						13. Total Quantity 1	
b.						14. Unit Wt/Vol Y	
c.						15. Waste No. K087	
d.						16. Handling Codes for Wastes Listed Above SELF 21031	
17. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 19504X						18. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)	
19. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						20. Printed/Typed Name JAMES V. HUSTED	
21. Transporter 1 Acknowledgement of Receipt of Materials						Signature [Signature]	
22. Transporter 2 Acknowledgement of Receipt of Materials						Month Day Year 07 29 88	
23. Discrepancy Indication Specs						Signature [Signature]	
24. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Month Day Year 07 27 88	
25. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Signature [Signature]	
26. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Month Day Year 07 27 88	



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In case of an emergency or spill immediately call the National Response Center (800) 424-9802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 5000427996		Manifest Document No. 10.0033		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number FAB 5723023					
4. Generator's Phone 215 535-7222						B. State Gen. ID					
6. Transporter 1 Company Name DART TRUCKING			6. US EPA ID Number OHDC09865825			C. State Trans. ID PA-AH 102191					
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 800 541-922					
9. Designated Facility Name and Site Address WASTE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH					
10. US EPA ID Number						F. Transporter's Phone ()					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) RD HAZARDOUS WASTE SOLID (K087) ORM-E NA 9189						13. Total Quantity 1000.15		14. Unit Y		15. Waste No. K087	
12. Containers						No.		Type		Wt/Vol	
a.						1		D		000.15	
b.										28.69 T	
c.										57350 P	
d.											
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Code for Wastes Listed Above					
a. Haz. Code LTT		b. Physical State LIS		c. Haz. Code LTT		d. Physical State LIS		e. Handling Code S-DS1			
f. Haz. Code		g. Physical State		h. Haz. Code		i. Physical State		j. Handling Code			
LTT		LIS		LTT		LIS					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION PCN # 1850 AX											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name JAMES V. HUSTED						Signature <i>James V. Husted</i>			Month Day Year 10 12 88		
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name GREGG L. BARK						Signature <i>Gregg L. Bark</i>			Month Day Year 11 15 88		
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature			Month Day Year		
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name JERRY PELLE						Signature <i>Jerry Pelle</i>			Month Day Year 12 11 88		



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0035
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA D000427906		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY RICHMOND & ORTHODOX ST. PHILADELPHIA, PA.				A. State Manifest Document Number PAB 5723351		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				6. US EPA ID Number 19137		C. State Trans. ID PA-AH 102191	
5. Transporter 1 Company Name DART TRUCKING				8. US EPA ID Number 10.HD009865825		D. Transporter's Phone (800) 541-8206	
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10.HD045243706		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. (RQ.) ORM-E NA 9189 (K087)				12. Containers No. Type 001 DOT 0015Y K087		13. Total Quantity 1.5 Y	
14. Unit Wt/Vol K087				15. Waste No. 7			
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code) Haz. Code Physical State a. U1 U9				c. U1 U1		K. Handling Codes for Wastes Listed Above a. U1 U9	
b. U1 U1				d. U1 U1		b. U1 U9	
15. Special Handling Instructions and Additional Information PCN # 1850AX 293T 5760							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JAMES V. HUSTED				Signature <i>[Signature]</i>		Month Day Year 07 29 88	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name JAMES T Cox 932				Signature <i>[Signature]</i>		Month Day Year 07 29 88	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner & Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name ERRY P. [Signature]				Signature <i>[Signature]</i>		Month Day Year 1 4 88	



Division of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PADO00427905		Manifest Document No. 00031	2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.						
3. Generator's Name and Mailing Address: PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				A. State Manifest Document Number: PAB 5724471							
4. Generator's Phone (215) 535-7222				B. State Gen. ID							
5. Transporter 1 Company Name JOHN PFROMMER		6. US EPA ID Number PADO08791072		C. State Trans. ID PA-AH 10042							
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (215) 385-908							
9. Designated Facility Name and Site Address: ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616				E. State Trans. ID PA-AH							
10. US EPA ID Number OHDO45243706				F. Transporter's Phone ()							
				G. State Facility's ID Not Required							
				H. Facility's Phone 619-726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				1. 1 DT		15 Y		K087			
b.						2734 T					
c.						5468 P					
d.											
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. Haz. Code Physical State U7 U9		c. Haz. Code Physical State U7 U9		b. DS							
b. Haz. Code Physical State U7 U9		d. Haz. Code Physical State U7 U9		d.							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>				Month Day Year 10 7 29 88			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Joseph A DeSalvo				Signature <i>Joseph A DeSalvo</i>				Month Day Year 10 7 29 88			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name JERRY PIZUC				Signature <i>Jerry Pizuc</i>				Month Day Year 11 5 88			



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P. O. Box 2063
Harrisburg, PA 17120

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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000Q427906		Manifest Document No. 00030		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.									
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number EAB 5724482		B. State Gen. ID									
4. Generator's Phone (215) 535-7222						C. State Trans. ID PA-AH 10042		D. Transporter's Phone (215) 785-305									
5. Transporter 1 Company Name JOHN PFROMMER				8. US EPA ID Number PA0008781072		E. State Trans. ID PA-AH		F. Transporter's Phone ()									
7. Transporter 2 Company Name				8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone (19-726-1521)									
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OHDO45243706											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
						a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						1. No. Type 1 DT		15 Y		K087	
						b.								2797 T			
						c.								55740 P			
						d.											
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above											
a. Haz. Code Physical State U7 U9		c. Haz. Code Physical State U7 U9		b. Handling Code S1		d. Handling Code											
b. Haz. Code Physical State U7 U9		d. Haz. Code Physical State U7 U9		b. Handling Code		d. Handling Code											
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850AX																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>				Month Day Year 07 29 88									
17. Transporter 1 Acknowledgement of Receipt of Materials																	
Printed/Typed Name JAY M PUSKAS				Signature <i>Jay M Puskas</i>				Month Day Year 07 29 88									
18. Transporter 2 Acknowledgement of Receipt of Materials																	
Printed/Typed Name				Signature				Month Day Year									
19. Discrepancy Indication Space																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name JERRY PICKLE				Signature <i>Jerry Pickle</i>				Month Day Year 07 11 88									



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID No. PA 2000419000		Manifest Document No. 10-0029		2. Page [] of []		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator Name Continental Vanguard CO.		Address RICHMOND & ORTHODOX STREETS PHILA. PA 19137		City PHILA. PA 19137		State PA		Zip 19137	
4. Generator's Phone ()		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number INJ1067387514		7. Transporter 2 Company Name		8. US EPA ID Number	
9. Designated State or Service OHIO		Generator Name UNIVERSITY OF OHIO, INC.		Address 376 OTTER CREEK ROAD OREGON OHIO 43616		City OREGON OHIO 43616		State OHIO	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA 9139		No. 1 Type DT		0.0015		Y		K087	
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above							
a. SOIL CONTAMINATED WITH DROASTER TANK SLUDGE FROM COOKING OPERATION		b.							
15. Special Handling Instructions and Additional Information									
PCN # 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Printed/Typed Name JAMES V. HUSTED		Signature <i>[Signature]</i>		Month Day Year 07 29 88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Charles L. Groff		Signature <i>[Signature]</i>		Month Day Year 10 29 88			
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Printed/Typed Name ROY P. [Signature]		Signature <i>[Signature]</i>		Month Day Year 10 29 88			



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Harrisburg, PA 17120

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OMB No. 2050-0035
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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. PA0000427806
Manifest Document No. 100028

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137
4. Generator's Phone 215 535-7222

A. State Manifest Document Number
PAB 5723211
B. State Gen. ID

5. Transporter 1 Company Name CONTINENTAL VANGUARD
6. US EPA ID Number NJD067387514

C. State Trans. ID PA-AH 101071
D. Transporter's Phone (609) 931-0950

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Trans. ID PA-AH

9. Designated Facility Name and Site Address
ENVIRONMENTAL SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD OREGON OHIO 43616
10. US EPA ID Number OH0045263706

F. Transporter's Phone ()
G. State Facility's ID Not Required
H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. RM HAZARDOUS WASTE SOLID N.O.S. ORM-F VA 9139	1	DT	15	Y	K087
b.					
c.					
d.			2405	T	
			43100	P	

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
a. Haz. Code 17 Physical State S
b. Haz. Code Physical State
c. Haz. Code Physical State
d. Haz. Code Physical State

K. Handling Codes for Wastes Listed Above
a. b. SCIF & D21

15. Special Handling Instructions and Additional Information
SOIL CONTAMINATED WITH DECANER TAR SLUDGE FROM COKING OPERATION
PCN 1850AY

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name JAMES V. HUSTED
Signature [Signature]
Month Day Year 07 28 88

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name Nancy Bortuott
Signature [Signature]
Month Day Year 07 28 88

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name [Name]
Signature [Signature]
Month Day Year [Date]

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PADO00427906		Manifest Document No. 100027		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				A. State Manifest Document Number PAB 5724493		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name JOHN FROMMER		6. US EPA ID Number PADO08781072		C. State Trans. ID PA-AH 100421		D. Transporter's Phone (215) 385 3031	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone ()		G. State Facility's ID Not Required	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OHDO45243706		H. Facility's Phone 619-726-1521		I. Waste No. K087			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. RO HAZARDOUS WASTE SOLID H.O.S. ORM-E NA 9189				No. Type 1 DT		157		K087	
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above					
a. Haz. Code Physical State LH LI		c. Haz. Code Physical State LH LI		e.		g.		SCLFID91	
b. Haz. Code Physical State LH LI		d. Haz. Code Physical State LH LI		f.		h.			
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. K. ANSEMEICER				Signature <i>[Signature]</i>		Month Day Year 07 23 88			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name CARL C. CHYTLA		Signature <i>[Signature]</i>		Month Day Year 07 23 88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name J. H. HERRING				Signature <i>[Signature]</i>		Month Day Year 17 04 88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0039
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD000427906**
Manifest Document No. **0-0026**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137**

A. State Manifest Document Number
PAB 5724504

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
JOHN PEROMMER

C. State Trans. ID
PA-AH 10042

6. US EPA ID Number
PAD008781072

D. Transporter's Phone (215) 305-3051

7. Transporter 2 Company Name
**ENVIROSAFE SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616**

E. State Trans. ID
PA-AH 10042

8. US EPA ID Number
OH0045243706

F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone **419-726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

a. **RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189**

13. Total Quantity
14. Unit Wt/Vol
15. Waste No.
**1 DT
15 Y R087**

b. **K087**

c. **233**

d. **51100**

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
Haz. Code Physical State
a. **[17] [S]**
b. **[] []**
c. **[] []**
d. **[] []**

K. Handling Codes for Wastes Listed Above
a. **SOLE ED 31**

15. Special Handling Instructions and Additional Information
**SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
PCN 1850 AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
J. KIRT ANGERMEIER

Signature
[Signature]
Month Day Year
10 29 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
C. CIL BAIRD JR

Signature
[Signature]
Month Day Year
10 29 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name
J. H. HARRIS

Signature
[Signature]
Month Day Year
10 29 88



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427905		Manifest Document No. 10-0025		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723056		B. State Gen. ID	
4. Generator's Phone 215 535-7222		5. Transporter 1 Company Name ENVIROSAFE SERVICES OF OHIO		6. US EPA ID Number OH0045247905		C. State Trans. ID PA-AH 182511		D. Transporter's Phone (800) 537-0426	
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OHDO45243706		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. RD HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type		Unit Wt/Vol	
b.						K087		Y K087	
c.						APPROX.		39940 US	
d.								1969	
								39330	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		c. Haz. Code Physical State		b.		d.			
a. U7 U9		c. U7 U9		b.		d.			
b. U7 U9		d. U7 U9		b.		d.			
15. Special Handling Instructions and Additional Information PCN 1850 AX SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name JAMES V. HUSTED						Signature <i>James V. Husted</i>		Month Day Year 10/28/88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Nevin McDaniell						Signature <i>Nevin McDaniell</i>		Month Day Year 10/28/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature		Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name L.H. HUSTED						Signature <i>L.H. Husted</i>		Month Day Year 10/28/88	



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 10-002-4		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137				A. State Manifest Document Number PAB 5723163			
4. Generator's Phone 215, 535-7222				B. State Gen. ID			
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJDO67387514		C. State Trans. ID PA-AH 101-071		D. Transporter's Phone (609) 931-0950	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 375 OTTER CREEK ROAD OREGON OHIO 43616				10. US EPA ID Number OH0045243706		G. State Facility's ID Not Required	
				H. Facility's Phone (619) 726-1521			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type 1 DT		14. Unit Y	
b.						15. Waste No. K087	
c.							
d.						25.17	
						50370 P	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State LH LIS		c. Haz. Code Physical State LH LIS		e. SCLETD31			
b. Haz. Code Physical State LH LIS		d. Haz. Code Physical State LH LIS		f.			
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name J. KURT ANGELOVIC				Signature <i>J. Kurt Angelo</i>		Month Day Year 10-7-88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name SMITH		Signature <i>Dave Smith</i>	
						Month Day Year 10-7-88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
						Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name C. H. HARRISON				Signature <i>C. H. Harrison</i>		Month Day Year 10-7-88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0039
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427306		Manifest Document No. 00-003		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723126							
4. Generator's Phone 215 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number NJ.D067387514			C. State Trans. ID PA-AH 101071							
7. Transporter 2 Company Name						D. Transporter's Phone 609 931-0950							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						E. State Trans. ID PA-AH							
10. US EPA ID Number OH.D045243706						F. Transporter's Phone ()							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RO HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type 1 D		000.015		Y		K087	
b.													
c.								24.23		F			
d.								43410		F			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State U1 U3		c. Haz. Code Physical State U1 U1		b. Haz. Code Physical State U1 U1		d. Haz. Code Physical State U1 U1		a. Handling Codes b. SCLE 10 DSI					
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large-quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. ROBERT ANGERMEIER						Signature <i>J. Robert Angermeier</i>				Month Day Year 6-7-88			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Ronald Miller						Signature <i>Ronald Miller</i>				Month Day Year 6-7-88			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name JEFF HARRISON						Signature <i>JEFF HARRISON</i>				Month Day Year 7-22-88			



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 0-30-2-2		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723115		B. State Gen. ID	
4. Generator's Phone (215) 535-7222						C. State Trans. ID PA-AH 101071		D. Transporter's Phone (609) 931-0950	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number NJ-0-0-6-7-38-7-5-1-4		E. State Trans. ID PA-AH		F. Transporter's Phone	
7. Transporter 2 Company Name				8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone (419) 726-1521	
9. Designated Facility Name and Site Address ENVIRONSAP SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH0045243706			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type		14. Unit Wt/Vol	
						K087		Y K087	
b.									
c.									
d.								29.15	
								51.00	
17. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		c. Haz. Code Physical State		b.		c.			
LHT LIS		LHT LIS		SCLE		D B L			
b. LHT LIS		d. LHT LIS							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION PCN 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. KURT ANSELMIER				Signature		Month Day Year 10 7 2 1988			
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Month Day Year 10 27 88			
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name LIT HARROW				Signature		Month Day Year 1 7 8 5			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-0035
Expires 9-30-88

ER-SWM-51-REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
PA0000427906

Manifest Document No.
02021

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137

A. State Manifest Document Number
PAB 5723093

4. Generator's Phone
215 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJ-D-06-7387-5-14

C. State Trans. ID
PA-AH 10-1-0-71

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
609 931-0950

9. Designated Facility Name and Site Address
ENVIRONMENTAL SERVICES OF OHIO, INC.
376 OTTER CREEK ROAD OREGON OHIO 43616

10. US EPA ID Number
OH0045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID
Not Required

H. Facility's Phone
419-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
No.	Type		
1	DR	0.0-0.15	K087
		27.35	
		55100	

12. Containers	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
No.	Type		
1	DR	0.0-0.15	K087
		27.35	
		55100	

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
LIT	LIS		

K. Handling Codes for Wastes Listed Above

SCLEEDS1

15. Special Handling Instructions and Additional Information

SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION
RCM 7850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JAMES V. HUSTED
Signature: [Signature]
Month Day Year: 07 27 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BARRY BARROW
Signature: [Signature]
Month Day Year: 07 27 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Blank]
Signature: [Blank]
Month Day Year: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: JEFF HARRIS
Signature: [Signature]
Month Day Year: 07 27 88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR
TRANSPORTER
FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA0000427906** Manifest Document No. **100020** 2. Page **1** of **1** Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILA. PA 19137

4. Generator's Phone **215 535-7222**

A. State Manifest Document Number
PAB 5723104

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
IN-ED0067287514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
ENVIRONMENTAL SERVICES OF OHIO, INC.
976 OTTER CREEK ROAD OREGON OHIO 43616

10. US EPA ID Number
OH0045243706

D. Transporter's Phone **609 931-0950**

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (**419-726-1521**)

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a.	12. Containers		13. Total Quantity	14. Unit: Wt/Vol	15. Waste No.
	No.	Type			
RO HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	1	DT	0.0015	Y	K087
			27.34	T	
			54.96	P	

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

a. LIT LS	c. U U
b. U U	d. U U

K. Handling Codes for Wastes Listed Above

b. **SCHE D 91**

15. Special Handling Instructions and Additional Information
SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COXING OPERATION
PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **JAMES V. HUSTED** Signature *[Signature]* Month Day Year **10 7 1988**

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name **Fred Deneo** Signature *[Signature]* Month Day Year **10 7 1988**

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name **JEFF HARDING** Signature *[Signature]* Month Day Year **10 7 1988**



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 9000427906		Manifest Document No. 10-021-9		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137		4. Generator's Phone (215) 535-7222		A. State Manifest Document Number PAB 5723071	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J. D067387514		C. State Trans. ID PA-AH 101-071		D. Transporter's Phone 609 931-0950	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 375 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OH D045243706		G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID H.O.S. ORM-E NA 9139				No. Type 1 D		14. Unit Wt/Vol Y	
				K087		00015	
b.							
c.							
d.						2739 T	
						5476 P	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State LH1 LI1		c. Haz. Code Physical State L11 L11		. SCLF + D91			
b. L11 L11		d. L11 L11		b. d.			
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 Ax							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>		Month Day Year 10 27 88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name CHARLES GROFF				Signature <i>Charles Groff</i>		Month Day Year 10 27 88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name LEH HARRISON				Signature <i>LEH HARRISON</i>		Month Day Year 11 29 88	



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906		Manifest Document No. 100017	2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.				
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137			A. State Manifest Document Number PAB 5723233		B. State Gen. ID				
4. Generator's Phone 215 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJ0006738-75-14	C. State Trans. ID PA-AH 101071		D. Transporter's Phone (609) 931-0950				
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone ()					
9. Designated Facility Name and Site Address ENVIRONSERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON OHIO 43616		10. US EPA ID Number OH0045243706		G. State Facility's ID Not Required		H. Facility's Phone (419) 726-1521					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-R NA 9189				No. Type		1.5		Y		K087	
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above							
a. LT LS		c. UU UU		a. SCLETD31							
b. UU UU		d. UU UU		b.							
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANter TAR SLUDGE FROM COKING OPERATION PCN 1850 AX											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>				Month Day Year 12 25 88			
17. Transporter 1 Acknowledgement of Receipt of Materials				18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name DAVID M. HURSEL				Signature <i>David M. Hursel</i>				Month Day Year 12 25 88			
Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name J. H. HIRSHMAN				Signature <i>J. H. Hirsman</i>				Month Day Year 12 25 88			



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA9000427996		Manifest Document No. 00018		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILA. PA 19137						A. State Manifest Document Number PAB 5723244		B. State Gen. ID					
4. Generator's Phone 215 535-7222		5. Transporter 1 Company Name CONSTITUTIONAL VAN-LINE		6. US EPA ID Number NJ-D0-073875-14		C. State Trans. ID PA-AH 10-1-07		D. Transporter's Phone (609) 431-0950					
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone		G. State Facility's ID Not Required					
9. Designated Facility Name and Site Address ENVIRSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK ROAD OREGON OHIO 43616						10. US EPA ID Number OH045243706		H. Facility's Phone 419-726-1521					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID H.O.S. ORM-E NA 9189						No. Type 1 DT		15		Y		K087	
b.								2607 T					
c.								50140 P					
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State U5		c. Haz. Code Physical State U5		b. Handling Codes S1-D81		d.							
b. Haz. Code Physical State U5		d. Haz. Code Physical State U5											
15. Special Handling Instructions and Additional Information SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATION PCN 1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name JAMES V. HUSTER		Signature 		Month Day Year 07 1988			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name GLENN KLINK		Signature 		Month Day Year 07 1988			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name JERRY PIZLIK						Signature 		Month Day Year 17 1988					



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA 0000427906**
Manifest Document No. **100017**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE
RICHMOND - 97 HOGAN
PHILADELPHIA PA 19136**

A. State Manifest Document Number
FAB 5770704
B. State Gen. ID

4. Generator's Phone **(215) 537 7222**

5. Transporter 1 Company Name
CONTINENTAL VANGUARD
6. US EPA ID Number
NT 0067387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **(609) 931 0950**

9. Designated Facility Name and Site Address
**ENVIRONMENTAL SERVICES OF OHIO
916 OTTUMWA GREEN PI.
ORIOLE, OHIO 43616**

10. US EPA ID Number
OH 0045013706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone **(609) 537 0426**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. 001 DT	154	K087	
b. 62540 P			
c. 3177 T			

a. **RQ HAZARDOUS WASTE SOLID NOS**
TORME NA 9177 K087
b. **[Soil Contaminated with Tar Decanter Sludge from Cooling Operations]**

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
Haz. Code Physical State
a. **L1 L15**
b. **L1 L15**
c. **L1 L15**
d. **L1 L15**

K. Handling Codes for Wastes Listed Above
a. **D81**
b. **SELF**
c. **WIT**

15. Special Handling Instructions and Additional Information
PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **V. HUSTED** Signature **[Signature]** Month Day Year **107-2-188**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Dave A Smith** Signature **[Signature]** Month Day Year **107-2-188**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name **Dale Mectner** Signature **[Signature]** Month Day Year **107-2-188**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA00004279060-001-6**
Manifest Document No. **00016**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA CORE COMPANY
RICHMOND UNIVERSITY PA. APT 111A PA 19136**

A. State Manifest Document Number
PAB 5770800
B. State Gen. ID

4. Generator's Phone **215 535 7222**

C. State Trans. ID
PA-AH 10107

5. Transporter 1 Company Name
CONTINENTAL VENTURES

D. Transporter's Phone
691 751 0750

6. US EPA ID Number
NJ0067387514

E. State Trans. ID
PA-AH

7. Transporter 2 Company Name

F. Transporter's Phone ()
G. State Facility's ID **Not Required**

8. US EPA ID Number

H. Facility's Phone **1800 537 0726**

9. Designated Facility Name and Site Address
**EMERSON SERVICE CENTER
8760 MILLBURN RD
GREEN OAK NJ 07034**

10. US EPA ID Number
104D045243706

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
RQ HAZARDOUS WASTE UNCLD NOS

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
001	OT	15 Y	K087
		7349 T	
		46750 P	

a. **SOIL CONTAMINATED WITH TAN DEANTER
SLUDGE FROM COILING OPERATIONS**

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

K. Handling Codes for Wastes Listed Above
DB1

Haz. Code Physical State
a. **U1 U3**
b. **U1 U1**
c. **U1 U1**
d. **U1 U1**

15. Special Handling Instructions and Additional Information

PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **JAMES V. HUSTED**
Signature: *James V. Husted*
Month Day Year: **10 25 88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **RONALD MILLER**
Signature: *Ronald Miller*
Month Day Year: **10 25 88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: _____
Signature: _____
Month Day Year: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: **E. Miller**
Signature: *E. Miller*
Month Day Year: **10 25 88**

GENERATOR

TRANSPORTER

FACILITY

PAB 5770800



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D000-427904000-15		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA CORE RICHMOND - 081000Y 14150 R.D. 7 PA 19136				A. State Manifest Document Number PAB 5770693		B. State Gen. ID	
4. Generator's Phone 1215 2535 2227				C. State Trans. ID PA-AH 10107		D. Transporter's Phone 6091821 0950	
5. Transporter 1 Company Name CONTINENTAL VAN LEASE		6. US EPA ID Number N500-673875-14		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 1800557 0426	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES 6170 OHIO 876 OTTER CREEK RD Piquette OHIO 43416				10. US EPA ID Number 1040045-2437-06			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. RM HAZARDOUS WASTE SOLID NOS				No.		Type	
b. ORM-E NA 9189 K087				001		DT	
c. Tail contaminated with Tar Decanter Sludge from Cooling Operations							
d.						3008 T	
e.						1601162 Pt	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LT US		c. UU UU		b. SCLEED91		d.	
b. UU UU		d. UU UU					
15. Special Handling Instructions and Additional Information PCN 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>		Month Day Year 07 25 88	
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name CHARLES H. GROFF				Signature <i>Charles H. Groff</i>		Month Day Year 07 25 88	
18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name LETT HARDING							
Signature <i>Letta Harding</i>				Month Day Year 07 20 88			



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906100014		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA CORP REHMOB - 07H000A PHILADELPHIA PA 19136				A. State Manifest Document Number EAB 5770822		B. State Gen. ID	
4. Generator's Phone 215-537-2222				6. US EPA ID Number NT0067387514		C. State Trans. ID PA-AH 0107	
5. Transporter 1 Company Name CONTINENTAL WAREHOUSE				8. US EPA ID Number		D. Transporter's Phone 609-931-0950	
7. Transporter 2 Company Name				10. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address L'NUBIOSATE SERVICES OF OHIO 876 OTTER CREEK P. GREEN OHIO 43106				11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) REGULAR HAZARDOUS WASTE SOLID NOS MORGE NA 9189 K087		12. Containers No. Type 001 DT	
						13. Total Quantity 1.5 Y	
						14. Unit - Wt/Vol K.O.B.T.	
						1. Waste No. K.O.B.T.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LT U8		c. U U		a.		c.	
b. U U		d. U U		b. SELF D31			
15. Special Handling Instructions and Additional Information PCN 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JAMES V. HUSTED				Signature <i>[Signature]</i>		Month Day Year 07/25/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Rodger Barron		Signature <i>[Signature]</i>	
						Month Day Year 07/25/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
						Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name LETT HARDING				Signature <i>[Signature]</i>		Month Day Year 07/25/88	



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 0000427906100013		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE P.O. BOX 4000 - 00-4000 PHILADELPHIA PA 19136				A. State Manifest Document Number PAB 5770833		B. State Gen. ID	
4. Generator's Phone (215) 535 7222				5. Transporter 1 Company Name CONTINENTAL VANLAND		6. US EPA ID Number PA-AH 10107	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 10107	
9. Designated Facility Name and Site Address EMERGENCY SERVICES OF PA 876 OTTER CREEK RD ORFELAN OHIO 43616				10. US EPA ID Number 1040045243706		D. Transporter's Phone (614) 931 0750	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) RQ HAZARDOUS WASTE SOLIDNES ACCORDING TO 49 CFR 173.13				12. Containers		13. Total Quantity	
				No.	Type	Wt/Vol	Waste No.
a. 001				DR		154 K087	
b. [Soil Contaminated with Tar Deanter Sludge from Cooling Operations]						2066 T	
c.						53320 P	
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U1 U1		c. U1 U1		b. Subst. D81		d.	
b. U1 U1		d. U1 U1					
15. Special Handling Instructions and Additional Information PCN 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>		Month Day Year 07 25 88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Edward Hale		Signature <i>Edward Hale</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name J. H. Haddock				Signature <i>J. H. Haddock</i>		Month Day Year 17 11 88	



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA-D000427706** Manifest Document No. **00012**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address

**PHILADELPHIA OKC
RICHMOND - STANLEY
PHILADELPHIA PA 19136**

A. State Manifest Document Number: **PAB 5770811**
B. State Gen. ID

4. Generator's Phone

(215) 535 7222

C. State Trans. ID: **PA-AH 101071**

5. Transporter 1 Company Name

CONTINENTAL YARDLAND

8. US EPA ID Number

NJ0067387514

D. Transporter's Phone: **609 931 0950**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Trans. ID: **PA-AH**

9. Designated Facility Name and Site Address

**ENVIRONMENTAL SERVICES OF OHIO
216 OTTER CREEK PI
ORIOH OHIO 43066**

10. US EPA ID Number

OH-D045243706

F. Transporter's Phone ()
G. State Facility's ID: **Not Required**

H. Facility's Phone: **(740) 537 0426**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

RG HAZARDOUS WASTE SOLID NOS

12. Containers: No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

ADR7-E NA 9189 K087

001 OT 15 Y K087

Soil Contaminated with Tar Deanter Sludge from Coking Operations

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code Physical State
LIT LIS

Haz. Code Physical State
UU UU

K. Handling Codes for Wastes Listed Above

UU UU

UU UU

SCLEED01

15. Special Handling Instructions and Additional Information

PCN 1950AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

JAMES V. HUSTED

Signature

J. V. Husted

Month Day Year

10 7 25 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

GEORGE S FOCHTMAN

Signature

George S Fochtmann

Month Day Year

10 12 28 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

JEFF HANCOCK

Signature

J. Hancock

Month Day Year

12 11 88

In case of an emergency or spill, immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

FACILITY



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 0000 42790 610 0011		Manifest Document No. 10 0011		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY RICHMOND & OTHADAY PHILADELPHIA, PA 191345 Generator's Phone 537 7222						A. State Manifest Document Number PAB 5770774							
5. Transporter 1 Company Name John Peromier						6. US EPA ID Number PA 0008 7810 72		C. State Trans. ID PA-AH 100424					
7. Transporter 2 Company Name:						8. US EPA ID Number		D. Transporter's Phone 251 385 3051					
9. Designated Facility Name and Site Address ENVIOSAFE SERVICES & OHIO 476 OTTER CREEK RD ORION OHIO 43066						10. US EPA ID Number OH 0045 24 3706		E. State Trans. ID PA-AH					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RA HAZARDOUS WASTE SOLID PCM-E NA 9189 K087						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
								.. .. 15 Y		K087		
b. [Soil Contaminated with Tar Decanter Sludge from Coking Operations]							2416 T		
							483X P		
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State LIT LIQ		c. Haz. Code Physical State LIQ LIQ		b. Elgood		d.							
b. Haz. Code Physical State LIQ LIQ		d. Haz. Code Physical State LIQ LIQ											
15. Special Handling Instructions and Additional Information PCN 1850 AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>				Month Day Year 10 22 88					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Charles Mitchell				Signature <i>Charles Mitchell</i>				Month Day Year 10 22 88					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name JERRY R. KILG				Signature <i>Jerry R. Kilg</i>				Month Day Year 10 21 88					



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UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA0000427906		Manifest Document No. 00010		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY RYNHUNOT ORTHODOX PHILADELPHIA PA 19134				A. State Manifest Document Number PAB 5770785		B. State Gen. ID	
4. Generator's Phone 215 537 7222				5. Transporter 1 Company Name John P. Rowner		6. US EPA ID Number PA00008781072	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 00424	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF PA.O 876 OTTER CREEK RD. OREGON PA.O 4346				10. US EPA ID Number 1040045243706		D. Transporter's Phone 215 385 3051	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SILD ANDS URM-E NA 9187 K087				12. Containers		13. Total Quantity	
				No.	Type	14. Unit Wt/Vol		15. Waste No.
[Soil Contaminated with Tar Decanter Sludge from Cooling Operations]				001		DT	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.				K. Handling Codes for Wastes Listed Above		C	
15. Special Handling Instructions and Additional Information PCN 1850 AX DS 415				a.		c.	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>James V. Husted</i>		Month Day Year 07/20/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name J. H. H.				Signature		Month Day Year	



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA D 00 042 79 0 6 100009**
Manifest Document No. **100009**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE COMPANY
RICHMOND + ORTHADOV, PHILADELPHIA PA 19134**

A. State Manifest Document Number
PAB 5770796
B. State Gen. ID

4. Generator's Phone **215 535 7222**

5. Transporter 1 Company Name
John Proxmire Inc

C. State Trans. ID
PA-AH 100421

6. US EPA ID Number
PA D 00 042 79 0 6 100009

7. Transporter 2 Company Name

D. Transporter's Phone **(215) 385-3051**

8. US EPA ID Number

E. State Trans. ID
PA-AH

9. Designated Facility Name and Site Address
**ENVIRONMENTAL SERVICES OHIO
276 OTTER CREEK RD
OREON OHIO**

F. Transporter's Phone ()

10. US EPA ID Number
1040045243706

G. State Facility's ID **Not Required**
H. Facility's Phone **(601) 537-0426**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No. Type			

a. **RR HAZARDOUS WASTE SOLID NOS
AORM-E NA 9109**

001	OT	15	Y	K-087
-----	----	----	---	-------

b. **[Soil Contaminated with Tar Decanter sludge from Cooling Operations]**

--	--	--	--	--

c.

--	--	--	--	--

d.

--	--	--	--	--

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

a. **LT LS**
b. **UU UU**
c. **UU UU**
d. **UU UU**

a. **SCLF, ID 91**
b.

15. Special Handling Instructions and Additional Information
PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **JAMES V. HUSTED** Signature: *[Signature]* Month Day Year: **07 20 88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **ROBERT SHERRY** Signature: *[Signature]* Month Day Year: **10 12 90**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: **J. H. HARRISON** Signature: *[Signature]* Month Day Year: **11 11 88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000042790A		Manifest Document No. 000008		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY RICHMOND + ORTHOOD ST PHILADELPHIA PA 19134						A. State Manifest Document Number PAB 5770752							
4. Generator's Phone (215) 535 7222						B. State Gen. ID							
5. Transporter 1 Company Name JOHN PEROMMER				6. US EPA ID Number PA0008781072		C. State Trans. ID PA-AH 10-04-21							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone (215) 385 3051							
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO 976 OTTER CREEK RD OREGON OHIO 45616						10. US EPA ID Number OH0045243706							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ HAZARDOUS WASTE SOLID NOS						No.		Type					
b. ORM-E NA 4189 (K087)						001		BT		154		K087	
c. Soil Contaminated with Tar Decanter Sludge from Lining Operations										2621		T	
d.										52430		P	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code		Physical State		c. Haz. Code		Physical State		a.		b.		d.	
L7		L5		L		L		S		081			
b.				d.									
15. Special Handling Instructions and Additional Information PCN 1850 AX													
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Printed/Typed Name JAMES V. HUSTED						Signature <i>[Signature]</i>				Month Day Year 10-7-88			
17. Transporter 1 Acknowledgment of Receipt of Materials													
Printed/Typed Name AK Burke						Signature <i>[Signature]</i>				Month Day Year 10-7-88			
18. Transporter 2 Acknowledgment of Receipt of Materials													
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name Jeery Pickle						Signature <i>[Signature]</i>				Month Day Year 11-1-88			



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA 0000427906** Manifest Document No. **0-0-007**
2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE COMPANY
RICHMOND - OHIO
PHILADELPHIA PA**
4. Generator's Phone **215 535 7222**
A. State Manifest Document Number **PA-B 5770763**
B. State Gen. ID

5. Transporter 1 Company Name **JOHN FROMMER** 6. US EPA ID Number **PA 0008781072**
7. Transporter 2 Company Name
8. US EPA ID Number
C. State Trans. ID **PA-AH 100421**
D. Transporter's Phone **(251) 395 9051**

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO
976 OTTER CREEK RD
OREGON OHIO 43416**
10. US EPA ID Number **1040045243706**
E. State Trans. ID **PA-AH**
F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone **(800) 537 0426**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. RQ HAZARDOUS WASTE SOLID NOS ORM-E NA 9149 (12087)	001	DT	1.54	K.O.8.7	
b. [Siph contaminated with Ten Decanter Sludge from Coling Operations]			28.84	T	
c.			576.84	P	
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)
K. Handling Codes for Wastes Listed Above

a. U1 U3	c. U1 U3	b. S01 D81	d.
b. U1 U3	d. U1 U3		

15. Special Handling Instructions and Additional Information
PCN 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **JAMES V. HUSTED** Signature *[Signature]* Month Day Year **07 20 88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **GERALD W KELER** Signature *[Signature]* Month Day Year **07 20 88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name **JEFF PELLE** Signature *[Signature]* Month Day Year **07 21 88**

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 0000427906		Manifest Document No. 00006		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Company RICHMOND & ORTHODOX ST. Philadelphia, PA, 19134						A. State Manifest Document Number PAB 5770656		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J. D.06.7.387.5.1.4		C. State Trans. ID PA-AH 10-1-0-71		D. Transporter's Phone (609) 931-0550	
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616		10. US EPA ID Number 10.H.00.4.5.243706		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. RQ. HAZARDOUS WASTE SOLID N.O.S.						No. Type		14. Unit Wt/Vol	
b. ORM-E NA 9189 (K087)						0010T		00.0.1.5Y	
c. [Soil Contaminated with Tar Decanted Sludge from Cooling Operations]								25.41 T	
d.								5000 P	
15. Special Handling Instructions and Additional Information PCN # 1850 AX						K. Handling Code for Wastes Listed Above 001			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name JAMES V. HUSTED		Signature <i>[Signature]</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name RONALD MILLER		Signature <i>[Signature]</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature	
19. Discrepancy Indication Space						Month Day Year 07 29 88		Month Day Year 12 20 88	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Printed/Typed Name JEFF PELLE		Signature <i>[Signature]</i>	
						Month Day Year 1 7 88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0035
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA D000427906		Manifest Document No. 0-0-005		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.		
3. Generator's Name and Mailing Address Philadelphia Coke Company Richmond & ORTHODOX ST. Philadelphia, PA.						A. State Manifest Document Number PAB 5770660		B. State Gen. ID		
4. Generator's Phone 1 215 535-7222				5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number WJD067-387-514		C. State Trans. ID PA-AH 101-0-71		
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone (609) 931-0550		E. State Trans. ID PA-AH		
9. Designated Facility Name and Site Address ENVIRSAFE SERVICE OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616						10. US EPA ID Number 10.H.D.045243706		F. Transporter's Phone ()		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		
a. RQ HAZARDOUS WASTE SOLID N.O.S.						No. Type		14. Unit Wt/Vol		
b. ↑ ORM-E NA 9189 (K087)						001 0T		000-15 Y		
c. Soil Contaminated with Tar Decanter Sludge from Coating Operations								K-087		
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above				
a. LIT LIS		c. UU UU		b. SELF-HAZ						
b. UU UU		d. UU UU								
15. Special Handling Instructions and Additional Information PCN # 1850 AX 27715 55420 P.										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					Printed/Typed Name JAMES V. HUSTED		Signature <i>[Signature]</i>		Month Day Year 07 20 88	
17. Transporter 1 Acknowledgement of Receipt of Materials					Printed/Typed Name Russ Smith		Signature <i>[Signature]</i>		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials					Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.										
Printed/Typed Name Keith H... inc					Signature <i>[Signature]</i>		Month Day Year 07 20 88			



ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.0.0.042790610000.4		Manifest Document No. 0000.4		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY RICHMOND # ORTHDOOX ST Philadelphia, PA				A. State Manifest Document Number PAB 5770671		B. State Gen. ID			
4. Generator's Phone 1 215 535-7222				5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D.067387514		C. State Trans. ID PA-AH 101-071	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 937-0250	
9. Designated Facility Name and Site Address ENVIRSAFE SERVICE OHIO, INC. 876 OTTER CREEK Rd. OREGON, OHIO 43616				10. US EPA ID Number 10.H.D.045243706		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit, Wt/Vol	
a. RD HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189 (K087)				No. Type		Quantity		Waste No.	
b. Soil Contaminated with Tar Excavator Sludge from Loading Operations				001 070		001.5 Y		K.0.8.7	
c.									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above					
a. LT US		c. LT US		b. SCLE 3, 1, 2, 1		d.			
b. LT US		d. LT US							
15. Special Handling Instructions and Additional Information PCN # 1850 AX 3205 T 141021									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name JAMES V. HUSTED				Signature <i>James V. Husted</i>		Month Day Year 10 7 1988			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name David A Smith		Signature <i>David A Smith</i>		Month Day Year 10 9 20 1988	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name William H. ...				Signature <i>William H. ...</i>		Month Day Year 10 10 1988			



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Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.00.0.04279061**
Manifest Document No. **0.0.0.0.3**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE COMPANY
RICHMOND & ORTHODOX ST. PHILADELPHIA, PA 19134**

A. State Manifest Document Number
PA-B 5770682

4. Generator's Phone
(215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.0067387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
(609) 931-0550

9. Designated Facility Name and Site Address
**ENVIRONMENTAL SERVICES OHIO INC.
876 OTTER CREEK RD
OREGON, OHIO 43616**

10. US EPA ID Number
D.H.0045247706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID
Not Required

H. Facility's Phone
(800) 537-0426

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. **RQ HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189 (K087)**

0010700015YK087

b. **Soil Contaminated with Tar Decanter Sludge from Cooling Operations**

2521

c.
d.

504X

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

a. **U19**

c. **U19**

a. **S081**

b. **U19**

d. **U19**

b.

15. Special Handling Instructions and Additional Information

PCN# 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
JAMES V. HUSTED

Signature
James V. Husted

Month Day Year
07/20/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
COV ENVIRONMENTAL

Signature
COV ENVIRONMENTAL

Month Day Year
7/21/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

-TWO UNLABLELED RIGID 1-GALLON LDR

2627

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
JERRY PICKLE

Signature
Jerry Pickle

Month Day Year
7/21/88

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802

GENERATOR

TRANSPORTER

FACILITY



ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.0.0.4.27.90610.000.2		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY RIVERSIDE BETHABOX ST. PHILADELPHIA, PA 19114				A. State Manifest Document Number PAB 5770645			
4. Generator's Phone (215) 825-2000				B. State Gen. ID			
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number IN.T.D.0.6.7.387.51.4		C. State Trans. ID PA-AH 101-0.71			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609 931-0950			
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES, OHIO INC. 376 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 10.N.D.0.4.5.24.3.7.0.6		E. State Trans. ID PA-AH	
				F. Transporter's Phone		G. State Facility's ID Not Required	
				H. Facility's Phone (800) 537-0426			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers	
						No. Type	
a. ORM-R NA9189							
b. RQ, HAZARDOUS, white Solid N.O.S. (K029)						0010700015Y K087	
c. Soil Contaminated with Tar Decanter Sludge from Cooling Operations						2942 T	
d.						58840 P	
13. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						14. Handling Codes for Wastes Listed Above	
a. U1 U3		c. U1 U1		a.		b.	
b. U1 U1		d. U1 U1		c.		d.	
15. Special Handling Instructions and Additional Information PCN # 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JAMES V. HUSTED				Signature 		Month Day Year 12 11 88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Fred Diano		Signature 	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name Fred Prence		Signature 	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name DEER				Signature 		Month Day Year 17 Dec 88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0039
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.R.D.0-0-04279-0-6		Manifest Document No. 10.000.1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE COMPANY RICHMOND & ORTHODOX ST. PHILADELPHIA, PA.						A. State Manifest Document Number PAB 5770634		B. State Gen. ID	
4. Generator's Phone (215) 825-3000						5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D.0-6-7-3-8751-4	
5. Transporter 1 Company Name CONTINENTAL VANGUARD						7. Transporter 2 Company Name		8. US EPA ID Number	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OHIO, INC 876 OTTER CREEK RD, OREGON, OHIO 43616						10. US EPA ID Number 10H.D.0452437.06		C. State Trans. ID PA-AH 10.10.71	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. RQ HAZARDOUS WASTE SOLID N.O.S.						No. Type		14. Unit Wt/Vol	
b. ORM-E NA 9189 (K087)						0.01 DT		0.00 15 Y	
c. <i>Sol. Contaminated with Tar Decanter Sludge from Coking Operations</i>						..		30.55 T	
d.						..		601.00 P	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. L17 L15		c. U U		a. S		c. D51			
b. U U		d. U U		b.		d.			
15. Special Handling Instructions and Additional Information PCN # 1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name JAMES V. HUSTED				Signature <i>[Signature]</i>			Month Day Year 12-7-78		
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name BARRI BARRON				Signature <i>[Signature]</i>			Month Day Year 10-7-78		
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature			Month Day Year		
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name JERRY KELLER				Signature <i>[Signature]</i>			Month Day Year 17-12-78		

APPENDIX C-3

Summary of Water Shipments to Dupont-Chambers Works

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

55A

GENERATOR QUARTERLY HAZARDOUS WASTE REPORT

I. Your EPA I.D. No. PA D 0 0 0 4 2 1 7 9 0 1 6

II. TSD Facility's EPA I.D. No. N J D 0 0 2 3 8 5 7 3 1 0

TSD Facility's Name E.I. DuPont de Nemours, Inc.

Address Chambers Works Plant - Rt. 130, Deepwater, New Jersey 08023

III. WASTE SHIPPED OFF-SITE				
LINE NO.	A. US DOT Proper Shipping Name of Waste and State Manifest Document Number (include State Abbreviation)	B. Hazardous Waste Number	C. Weight of Shipment and Unit of Measure (P-pounds, T-ton, K-kilograms, M-metric ton) DO NOT ENTER GALLONS	D. PA. Hazardous Waste Transp. License N.
1	US DOT Description- RQ; hazardous Waste Liquid; N.O.S. *; ORM-E; NA 9189 State Manifest Document Number - See Table 2	0087	765 T (Bulk liquid Shipments via Semi-tanker)	K P A H 0 1 1 K M
2	US DOT Description- State Manifest Document Number -			K P A H T M
3	US DOT Description- State Manifest Document Number -			K P A H T M
4	US DOT Description- State Manifest Document Number -			K P A H T M
5	US DOT Description- State Manifest Document Number -			K P A H T M
6	US DOT Description- State Manifest Document Number -			K P A H T M
7	US DOT Description- State Manifest Document Number -			K P A H T M
8	US DOT Description- State Manifest Document Number -			K P A H T M
9	US DOT Description- State Manifest Document Number -			K P A H T M
	US DOT Description- State Manifest Document Number -			K P A H T M

E. Comments:

* Rainwater derived from tar decanter sludge from coking operations.

GENERATOR QUARTERLY HAZARDOUS WASTE REPORT

I. Your EPA I.D. No. PAD000427906

II. TSD Facility's EPA I.D. No. PAD064375470

TSD Facility's Name Delaware Container Co., Inc.

Address W. 11th Avenue & Valley Road, Coatesville, PA 19320

III. WASTE SHIPPED OFF - SITE

LINE NO.	A. US DOT Proper Shipping Name of Waste and State Manifest Document Number (Include State Abbreviation)	B. Hazardous Waste Number	C. Weight of Shipment and Unit of Measure (P-pounds, T-ton, K-kilograms, M-metric ton) DO NOT ENTER GALLONS	D. PA. Haz Waste Trs License		
				K	A	H
1	US DOT Description- RQ; Waste Flammable Liquid; N.O.S.; UN 1993 (oil/gasoline/water) State Manifest Document Number - PAR 4928991	0001	0.8 T	K	A	H
2	US DOT Description- State Manifest Document Number -					
3	US DOT Description- State Manifest Document Number -					
4	US DOT Description- State Manifest Document Number -					
5	US DOT Description- State Manifest Document Number -					
6	US DOT Description- State Manifest Document Number -					
7	US DOT Description- State Manifest Document Number -					
8	US DOT Description- State Manifest Document Number -					
9	US DOT Description- State Manifest Document Number -					
10	US DOT Description- State Manifest Document Number -					

E. Comments:

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL RESOURCES
 BUREAU OF WASTE MANAGEMENT

55A

GENERATOR QUARTERLY HAZARDOUS WASTE REPORT

I. Your EPA I.D. No. P A D 0 0 0 4 2 7 9 0 1 6

II. TSD Facility's EPA I.D. No. N J D 0 0 2 3 8 5 7 3 0

TSD Facility's Name E. I. DuPont de Nemours, Inc.

Address Chambers Works Plant - Rt. 130, Deepwater, New Jersey 08023

III. WASTE SHIPPED OFF-SITE

LINE NO	A. US DOT Proper Shipping Name of Waste and State Manifest Document Number (include State Abbreviation)	B. Hazardous Waste Number	C. Weight of Shipment and Unit of Measure (P-pounds, T-ton, K-kilograms, M-metric ton) DO NOT ENTER GALLONS	D. PA. Hazard Waste Trans. License		
				K	A	H
1	US DOT Description- RQ; Hazardous Waste Liquid; N.O.S. *; ORM-E; NA 9189 State Manifest Document Number - See Table 2	k 0 B 7	1,069 T (Bulk Liquid Shipments via Semi-tanker)	X	A	H | 0 | 1
2	US DOT Description- State Manifest Document Number -			X	A	H | |
3	US DOT Description- State Manifest Document Number -			X	A	H | |
4	US DOT Description- State Manifest Document Number -			X	A	H | |
5	US DOT Description- State Manifest Document Number -			X	A	H | |
6	US DOT Description- State Manifest Document Number -			X	A	H | |
7	US DOT Description- State Manifest Document Number -			X	A	H | |
8	US DOT Description- State Manifest Document Number -			X	A	H | |
9	US DOT Description- State Manifest Document Number -			X	A	H | |
0	US DOT Description- State Manifest Document Number -			X	A	H | |

Comments: * Rainwater derived from tar decanter sludge from coking operations.

5!

QUARTERLY HAZARDOUS WASTE REPORT - GENERAL INFORMATION

I. This report is for the quarter ending (check one):

- March 31
 - June 30
 - September 30
 - December 31
- 19 88
Yr.

II. Your EPA I.D. Number

P	A	D	0	0	0	4	2	7	9	0	6
---	---	---	---	---	---	---	---	---	---	---	---

III. Check this block, if there is nothing to report this quarter.

IV. Name of Installation Philadelphia Coke Company

V. Mailing Address 4501 Richmond Street

Philadelphia, PA 19137

VI. Location Address 2900 Orthodox Street

Philadelphia, PA

- City
- Borough
- Township

If within PA, Philadelphia
(Name of Municipality)

Philadelphia Cou

VII. Contact Person James V. Husted

Phone No. 215 - 825 - 3000
(Area Code)

VIII. CERTIFICATION

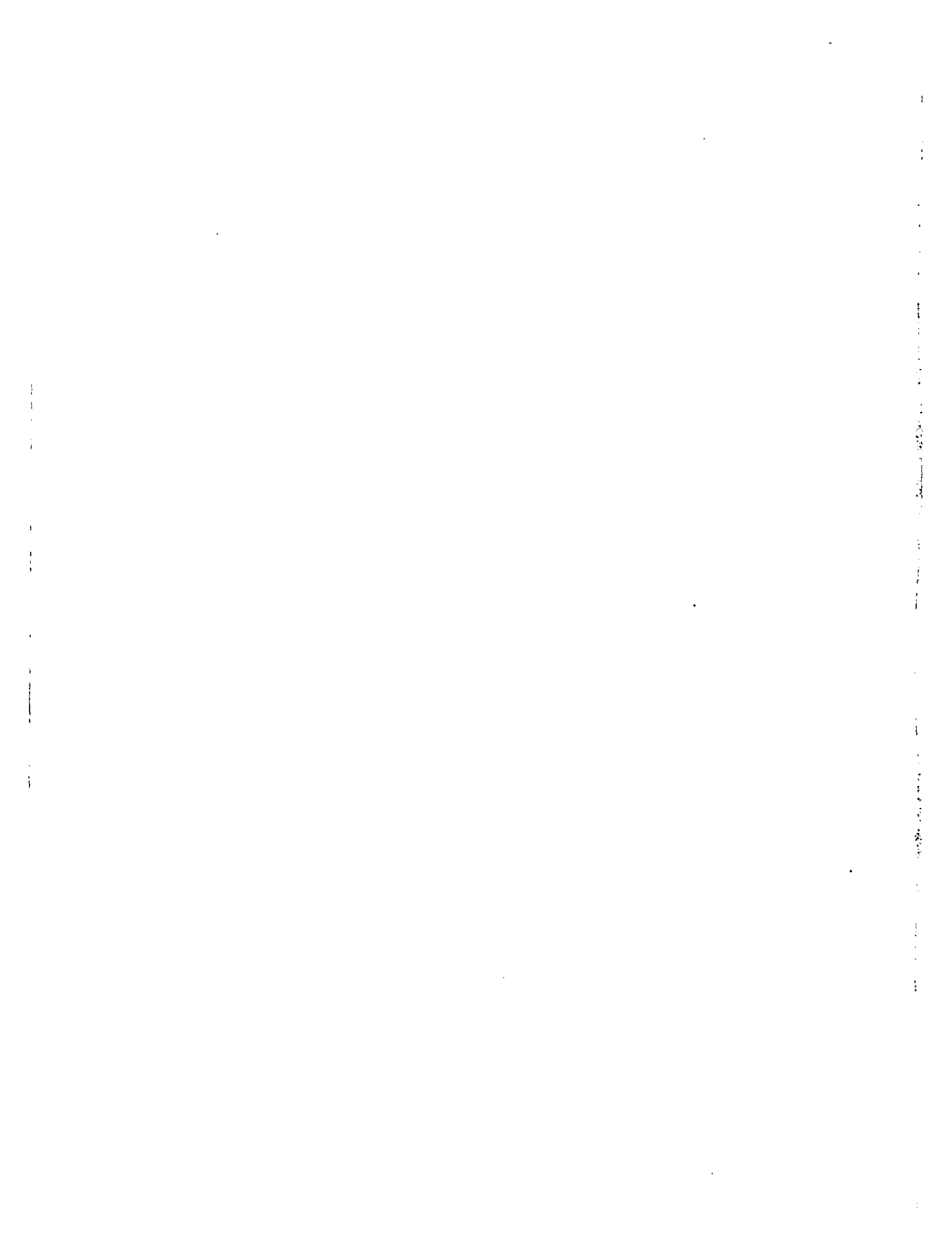
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimize the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

John T. McKenna
A. Print or Type Name

John T. McKenna
B. Signature of Authorized Representative

11/9/88
C. Date Signed



ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000042770400344		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS. 19137				A. State Manifest Designation Number PA-3373432		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				6. US EPA ID Number PA-AH-101071		C. State Trans. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number PA-AH-101071		D. Transporter's Phone (610) 271-1000		E. State Trans. ID	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD REBON, OHIO 43616				10. US EPA ID Number 10.H.04.524.37.06		G. State Facility's ID Not Required	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S., DRM-E NA 9189				12. Containers No. Type		13. Total Quantity Unit Waste No.	
a.				001 DT 0.0.0.1.5 Y		K.087	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Exclude physical state and hazard code) Haz. Code Physical State				K. Handling Codes for Wastes Listed Above			
a. LT US 30.33 T				S013 DB1			
b.				d.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 12/29/88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Rodger Barron				Signature Rodger Barron		Month Day Year 12/20/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jett HARDING				Signature Jett Harding		Month Day Year 11/20/88	

In case of an emergency or spill immediately call the national response center (800) 424-8802 and the PA DER (717) 787-4343



EF-SWM-51-REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427706100343		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA. 19137				A. State Identification Number PAB 5373421		B. State Gen. ID	
4. Generator's Phone (215) 535-7022				6. US EPA ID Number NJAD67387514		C. State Trans. ID PA-AH 1207	
5. Transporter 1 Company Name Continental Vanguard				7. Transporter 2 Company Name		D. Transporter's Phone 688-340150	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10.A.O.04524.37.06		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. URM.E NA9189				No. Type		14. Unit Wt/Vol	
				001 DT		00.0.15 Y K.O.87	
J. Additional Descriptors for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Materials Listed Above			
a. LT LS		b. LT LS		c. 28.97 T.		d. 57940 P.	
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 261.33(c) until August 8 1990 per #1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 12/20/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name RONALD BITTNER		Signature <i>Ronald Bittner</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JERRY POLLE				Signature <i>Jerry Polle</i>		Month Day Year 1/22/89	



EPA 624-51:REV. 6/87

Please print or type. (Form designed for use on 8 1/2" (12-pitch) typewriter.)

GENERATOR or ship immediately or ship immediately call the national response center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAD00042790600342		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond and Orthodox Sts. Phil. PA 19137				A. State Manifest Document Number PAR 5373373		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				C. State Trans. ID PA-AH 10107		D. Transporter's Phone (609) 331-0707	
5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number INJD067387514		E. State Trans. ID PA-AH 10107		F. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 412 267-1520	
9. Designated Facility Name and Site Address Enviosafe Services of Ohio Inc. 876 Otter Creek Rd. Oregon, OH 43616				10. US EPA ID Number 10HD045243708			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Hazardous Waste Solid N.O.S. ORM-E NA 9189				12. Containers No. Type		13. Total Quantity	
				001 DT 0.0.15		Y K 087	
14. Additional Descriptions for Materials Listed Above (Include physical state and hazard code) a. U L 29.58 T b. U U c. U U d. S 9 160 P				K. Handling Codes for Wastes Listed Above Scep 3 DBI			
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990 PCN# 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/21/88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name THOMAS LANGER				Signature <i>Thomas Langer</i>		Month Day Year 11/21/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name JEFF HARDING							
Signature <i>Jeff Harding</i>				Month Day Year 11/22/88			



ER-SWM-51-REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

In case of an emergency or spill immediately call the Nat. Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA D00 042 779 06 00341		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. Richmond & Oriskany Sts.				A. State Manifest Registration Number PAB 5813990		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				5. US EPA ID Number PA-AH 0107		C. State Trans. ID PA-AH 0107	
5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number WI D00 67387514		7. Transporter 2 Company Name		8. US EPA ID Number	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43066				10. US EPA ID Number OH D00 45243706		D. Transporter's Phone 606 931 0930	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. DRM E. NA 9189				No. Type		14. Unit Wt/Vol	
				001 DT		000.15 Y	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LI L28.08 T		b. LI L28.08 T		c. LI L28.08 T		d. Sep 3081	
b. LI L28.08 T		c. LI L28.08 T		d. LI L28.08 T		e. LI L28.08 T	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(C) UNTIL AUGUST 8, 1990. PEN# 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 12/19/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Fred A. Gross		Signature <i>Fred A. Gross</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name LETT HARDING				Signature <i>Lett Harding</i>		Month Day Year 12 20 88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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Please print or type. (Form designed for use on site (12-pitch) typewriter.)

Check this box if
Exempt from
EPA 48 CFR 201

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D. 000927906100340**

2. Page 1 of 1

Information in the absence of this manifest is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Philadelphia Coke Co. Philadelphia, PA

A. State Manifest Designation
PAB 5373

4. Generator's Phone
(215) 535-7222 19137

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJDD067387514

C. State Trans. ID
PA-AH 1-1-0-1

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
610-751-1000

9. Designated Facility Name and Site Address
ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616

10. US EPA ID Number
U-110645243706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID
Not Required

H. Facility's Phone
719-267-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type			
a.	HAZARDOUS WASTE Solid N.O.S. ORANGE NA 9189	0.010700015	Y	K.O.8.7
b.				
c.		2.5.6.3	T	
d.		5.1260	lb	

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
a. LT	US	c. UU	UU
b. UU	UU	d. UU	UU

K. Handling Codes for Wastes Listed Above
a. **D81**
b. **SCF, UELT**

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM (AND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PER T-1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Julie P Via** Signature: *Julie P Via* Month Day Year: **12/19/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **Bob Lane** Signature: *Bob Lane* Month Day Year: **1-2-1989**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: **Bob Lane** Signature: *Bob Lane* Month Day Year: **1-2-1989**

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: **Dale M Penter** Signature: *Dale M Penter* Month Day Year: **12/29/88**

Generator or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0038
Expires 9-30-88

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response Center (800) 424-8802 and the PA DER (717) 787-4343

in case of an emergency or spill immediately call the Natl

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000092740600339		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Rt 1000 North Ave Sts. Philadelphia, PA.				A. State Manifest Document Number PAB 5373362		B. State Gen. ID	
4. Generator's Phone 215 535-7232				6. US EPA ID Number NJ0467387514		C. State Trans. ID PA-AH 10107	
5. Transporter 1 Company Name Continental Vanguard				7. Transporter 2 Company Name		D. Transporter's Phone 609 934-0150	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43066				10. US EPA ID Number 10-1100452-4370-6		E. State Trans. ID PA-AH	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE Solid N.O.S. DANE NA 9189				No. Type		14. Unit Wt/Vol	
				001 DT 0.2015		Y K087	
						5.8380/16	
						29.19 T	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State U1 U3		c. Haz. Code Physical State U1 U3		b. D81		c. SC1	
b. U1 U3		d. U1 U3		b. SC1			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8 1990 RN# 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature Julie P Via		Month Day Year 12/19/88			
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Edward Pucci		Month Day Year 12/11/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature Edward Pucci		Month Day Year 12/11/88	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Dale M Pertner		Signature Dale M Pertner		Month Day Year 12/20/88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0039
Expires 9-30-88

ER-SWM-51:REV 6/87

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GENERATOR FACILITY TRANSPORTER

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000042790600338		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA RICHMOND & ORTHODOX STS.		6. US EPA ID Number PA-067387514		A. State Manifest Document Number PAB 5373340		B. State Gen. ID	
4. Generator's Phone (215) 19137		7. Transporter 1 Company Name CONTINENTAL VANGUARD		C. State Trans. ID PA-AH 101071		D. Transporter's Phone 608731-8450	
5. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIRSAFE SERVICES OF OHIO INC. 876 OTTER CREEK PI OREGON, OHIO 43616		10. US EPA ID Number 0110045243716		G. State Facility's ID Not Required		H. Facility's Phone 919-26-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HITZKUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
				0-10-T		0.0015 Y K-0.87	
b.						5218016	
c.						26.09 T	
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		c. Haz. Code Physical State		b. DFI		d. SCF	
LTT LS		UU UU					
UU UU		UU UU					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS P.E.C. 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN 785UAX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 12/9/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name James J. ...		Signature <i>James J. ...</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name JETH HARDING				Signature <i>Jeth Harding</i>		Month Day Year 12/20/88	

PAB 5373340



ER-SWM-61:REV. 6/87

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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.0.0.04277.0.610037		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Cde Co. Philadelphia Pa. RICHMOND & ORTHODOX STS.		6. US EPA ID Number N.J.D.10.738.75.14		A. State Manifest Document Number PAB 5814012	
4. Generator's Phone 215.535.7022		7. Transporter 1 Company Name CONTINENTAL VANGUARD		B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number		C. State Trans. ID PA-AH 101091	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO, INC. 876 OTTER CREEK RD OREGON OHIO 43616		10. US EPA ID Number 10.HD.0.45043706		D. Transporter's Phone 607.737.0750	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. URINE NA 9114		12. Containers No. Type 001 RT 6.00.15 Y		E. State Trans. ID PA-AH	
				F. Transporter's Phone	
				G. State Facility's ID Not Required	
				H. Facility's Phone 717.726.1521	
				I. Waste No.	
				K.O.87	
				26.18 T	
				52360 P	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)		K. Handling Codes for Wastes Listed Above			
a. LT LS		b. Sect 10.81			
c. UU UU		d.			
d. UU UU					
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions per 40 CFR 268.32(c) until August 6, 1990. Per # 186071					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 12/19/88	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Larry Baker</i>		Month Day Year 12/17/88	
Printed/Typed Name LARRY BAKER		Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name Jett HARDING		Signature <i>Jett Harding</i>		Month Day Year 12/30/88	

Copy 5 - TSD Facility: Mail to Generator

Copy 8 - Generator: Retain This Copy



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

ER-SWM-51:REV. 6/87

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OMB No. 2050-003
Expires 9-30-88

Generator (U) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA 0000 4279 0600330		Manifest Document No. 00330		2. Page of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA.				A. State Manifest Document Number PAB 5814001		B. State Gen. ID			
4. Generator's Phone (215) 535-7222				6. US EPA ID Number PA 0000 4279 0600330		C. State Trans. ID PA-AH 0107			
5. Transporter 1 Company Name Continental Vanguard				7. Transporter 2 Company Name		D. Transporter's Phone (610) 31-0750		E. State Trans. ID PA-AH	
8. Designated Facility Name and Site Address ENVIKOSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43066				10. US EPA ID Number OH 0000 0452 43706		F. Transporter's Phone ()		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE Solid N.O.S. ORN-E NA 9181				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
				0010 10-0015		YK 0.87			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above					
a. LT US 26 07 T				b. Sep 2 DBL					
b. LL US 52 40 P				c. LL					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS P-R 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 12/9/88			
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Donald Rodheauer</i>		Month Day Year 12/9/88			
Printed/Typed Name Donald Rodheauer				Signature		Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year			
Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Jeff HARDING				Signature <i>Jeff Harding</i>		Month Day Year 12/20/88			

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD 00-042-7906100335**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Philadelphia Coke Co. Philadelphia, PA.
RICHMOND & ORTHODOX STS.

A. State Manifest Document Number
PAB 5813916

4. Generator's Phone **215 535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

C. State Trans. ID
PA-AH 0107

6. US EPA ID Number
N.J.D.06.7387514

D. Transporter's Phone
609 431-0950

7. Transporter 2 Company Name
Continental Vanguard

E. State Trans. ID
PA-AH

8. US EPA ID Number
PA

F. Transporter's Phone

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO INC.
876 OTTER CREEK RD
OREGON, OHIO 43616

G. State Facility's ID
Not Required

H. Facility's Phone
419 726-7521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a.	HAZARDOUS Waste Solid N.O.S.		
b.	ORNI-E NA 9189	0.0107	D.O.O.15 Y K.O.8.7
c.			
d.			

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
Hazard Code Physical State
a. **LT L530.46 T**
b. **LL L60920 P**

K. Handling Codes for Wastes Listed Above
a. **Scoy I D 81**

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS
PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990 PER # 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **12/19/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **C. P. Marshall** Signature **C. P. Marshall** Month Day Year **12/19/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name **Jett Harding** Signature **Jett Harding** Month Day Year **12/18/88**

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA. 17120

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OMB No. 2060-0036
Expires 8-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA00004279.06100334		Manifest Document No. 000334		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address: Philadelphia Coke Co. Philadelphia, PA.						A. State Manifest Document Number PAB 5813905							
4. Generator's Phone 1 215 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name CONTINENTAL VANGUARD						6. US EPA ID Number N.J.D.U.6.7.387514		C. State Trans. ID PA-AH 01-071					
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 607 931-0150					
9. Designated Facility Name and Site Address: ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd OREBON, OHIO 43616						10. US EPA ID Number 10H.D04.52437.06		E. State Trans. ID PA-AH					
						F. Transporter's Phone		G. State Facility's ID Not Required					
						H. Facility's Phone 419 726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total		14. Unit		15. Waste No.	
a. HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189						No. Type		Quantity		Wt/Vol		L Waste No.	
						0010700015		Y		K087			
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
Haz. Code		Physical State		Haz. Code		Physical State							
a. LT		LS		26.94T		UU		b. Sep 1 201					
b. UU		US		3920P		UU		d.					
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33 (c) until August 8, 1990. PCN # 1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Jillie P Via						Signature <i>Jillie P Via</i>			Month Day Year 12 19 88				
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name THOMAS D. JENKINS						Signature <i>Thomas D Jenkins</i>			Month Day Year 12 19 88				
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature			Month Day Year				
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name Jeff HARDING						Signature <i>Jeff Harding</i>			Month Day Year 12 20 88				

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

311500



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.000.042790.6100333		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS.				A. State Manifest Document Number PAB 5813964	
4. Generator's Phone (215) 535-7222				B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.0.0.6.7.38.7.51.4		C. State Trans. ID PA-AH 101-6-71	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (607) 431-0750	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 0.H.0.1.4.5.2.4.3.7.0.6	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				12. Containers	
				No.	Type
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. LIT LB 25.13 T		c. U U		b. Scp 1081	
b. U U 50220P		d. U U		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 1850AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 1/2/88	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name DANIEL SMITH		Signature <i>Daniel Smith</i>		Month Day Year 1/2/88	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name JEFF HARRIX		Signature <i>Jeff Harrix</i>		Month Day Year 12/20/83	



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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

in case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-0000427-906100332		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia PA 19137				A. State Manifest Document Number PAB 5813975		B. State Gen. ID	
4. Generator's Phone (215) 535-7000		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number W.J.D.067387514		C. State Trans. ID PA-AH 10-1-071	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 10.H.D.045043706		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. CRM.F NA 9189				12. Containers No. Type 001 DT 0.00.15 Y K.08.7		13. Total Quantity 0.00.15 Y	
14. Additional Descriptions for Materials Listed Above (Include physical state and hazard code) Haz. Code Physical State LT 28.11 T				15. Handling Codes for Wastes Listed Above Sey I D01		16. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990 PCN# 1850AK	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 12/1/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Daniel K. K... ..				Signature <i>Daniel K. K...</i>		Month Day Year 12/1/88	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name JEFF HARDING							
Signature <i>Jeff Harding</i>				Month Day Year 12/20/88			

ER-SWM-5 REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. **PAB 000427906100331**
Manifest Document No. **100331**

2. Page 1 of 1
Information in the checked areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Philadelphia Coke Co. Philadelphia, PA.
Richmond & ORTHODOX STS
4. Generator's Phone **215, 535-7022**

A. State Manifest Document Number
PAB 5813986

5. Transporter 1 Company Name
CONTINENTAL VANGUARD
6. US EPA ID Number
INJ 0067387514

C. State Trans. ID
PA-AH 10-1-071

7. Transporter 2 Company Name
8. US EPA ID Number

D. Transporter's Phone
607 931-0750

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO INC.
876 OTTER CREEK RD
OREGON, OHIO 43616
10. US EPA ID Number
10.H.D.0.4.524.3.70.6

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID
Not Required

H. Facility's Phone
979 726-1201

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

a.	b.	c.	d.	No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
				001	DT 0.0.0.15 Y			K 003
HAZARDOUS WASTE SOLID N.O.S.		ORIME NA 9189						

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)
Haz. Code Physical State
a. **U1 U5 2638 T**
b. **U1 U1 52760 P**

K. Handling Codes for Wastes Listed Above
a. **S. 01 I 001**

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 3, 1990. PEN # 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Julie P Via**
Signature: *Julie P Via*
Month Day Year: **12/7/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **ROGER BECKNER**
Signature: *Roger Beckner*
Month Day Year: **12/7/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: _____
Signature: _____
Month Day Year: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: **JEFF HARDING**
Signature: *Jeff Harding*
Month Day Year: **12/20/88**

Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0039
Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000042790600330		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co, Philadelphia, PA.				A. State Manifest Document Number PAB 5813920		B. State Gen. ID	
4. Generator's Phone (215) 535-7202				5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number MS00-67387514	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 0107	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number OH0-045243906		D. Transporter's Phone 607 9350150	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189				12. Containers No. Type		13. Total Quantity	
				001 D T		000.15 Y	
						K.08.7	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U7 U5 23.17 T		c. U U		a. Sep 1		c. D 91	
b. U U 54340 P		d. U U		b. Sep 1		d. D 91	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. LENT 1850A							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 12/19/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Charles E Baker		Signature <i>Charles E Baker</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name JEFF HARDING				Signature <i>Jeff Harding</i>		Month Day Year 12/2/88	

GENERATOR

TRANSPORTER

FACILITY

SW-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 000-42-79-0600329		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & Orthodox Sts. Philadelphia, PA. 19137				A. State Manifest Document Number PAB 5813931		B. State Gen. ID	
4. Generator's Phone 1215 535 7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J. 0.6.7.3.8.75.14		C. State Trans. ID PA-AH 10.1.0.7	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609 931-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON OHIO 43616				10. US EPA ID Number OH 0.4.5.2.4.3.70.6		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. L.P.M.E NA 9189				12. Containers No. Type 0.01 D.T		13. Total Quantity 0.0015	
						14. Unit Wt/Vol Y K.0.8.7	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code) Haz. Code Physical State a. U1 U3 26.7L T				c. U1 U1		K. Handling Codes for Wastes Listed Above S 3 0.81	
b. U1 U1 S3920P				d. U1 U1		b. d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990 P.N #1850AK							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 12 19 88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Dial Messenger				Signature Dial Messenger		Month Day Year 12 19 88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name JCH HARDING				Signature JCH Harding		Month Day Year 11 20 88	

In case of an emergency or spill immediately call the response center (800) 424-8802 and the PA DER (717) 787-4343

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UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA.000.0427.06100328		Manifest Document No. 00328		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & ORTHODOX STS. Philadelphia, PA, 19137						A. State Manifest Document Number PAB 5813942					
4. Generator's Phone (215) 535-7000						B. State Gen. ID					
5. Transporter 1 Company Name Continental Vanguard						C. State Trans. ID PA-AH 10-107					
6. US EPA ID Number N.J.0067-38-7-5-14						D. Transporter's Phone 609 931-0930					
7. Transporter 2 Company Name						E. State Trans. ID PA-AH					
8. US EPA ID Number						F. Transporter's Phone					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616						G. State Facility's ID Not Required					
10. US EPA ID Number O.H.D.0.4.524370.6						H. Facility's Phone 717 726-1521					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189						12. Containers No. Type 0-0-1 DT		13. Total Quantity 0-0-0.15 Y		14. Unit Wt/Vol K 0.87	
b.						54000 lb					
c.						27.01 T					
d.											
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. Haz. Code T		b. Physical State S		c. Haz. Code		d. Physical State		a. D&I		b. SCLF	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCNT# 1850AX											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Julie P Via						Signature Julie P Via			Month Day Year 12 19 88		
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name DONALD D. HORNEK						Signature Donald D Hornek			Month Day Year 12 19 88		
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature			Month Day Year		
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name Dale M. Pester						Signature Dale M Pester			Month Day Year 12 20 88		

GENERATOR

TRANSPORTER FACILITY

PAB 5813942

Bureau of Waste Management
P. O. Box 2083
Harrisburg, PA 17120

Form approved.
OMB No. 2050-0039
Expires 9-30-88

EPA-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>P.A. 04-27906100327</i>		2. Page 1 of 1		3. Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address <i>Philadelphia Coke Co. Richmond & ORTHODOX STS. Philadelphia, PA. 19137</i>		A. State Manifest Document Number <i>PAB 5813861</i>		B. State Gen. ID	
4. Generator's Phone <i>(215) 535-7222</i>		6. US EPA ID Number <i>N.J. 06738-15-14</i>		C. State Trans. ID <i>PA-AH 10-1-07</i>		D. Transporter's Phone <i>601-931-0950</i>	
5. Transporter 1 Company Name <i>Continental Vanguard</i>		8. US EPA ID Number		E. State Trans. ID <i>PA-AH</i>		F. Transporter's Phone ()	
7. Transporter 2 Company Name		10. US EPA ID Number <i>10-HD045243706</i>		G. State Facility's ID <i>Not Required</i>		H. Facility's Phone <i>(419) 726-1521</i>	
9. Designated Facility Name and Site Address <i>ENVIROSTAR SERVICES OF OHIO INC. 576 OTTER CREEK RD. OREGON, OHIO 413616</i>		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) <i>HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189</i>		12. Containers No. Type <i>0.0.1 0.7</i>		13. Total Quantity <i>0.0.0.1.5</i>	
				14. Unit Wt/Vol <i>Y</i>		15. Waste No. <i>K-0.8.7</i>	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code) Haz. Code Physical State <i>LIT US 26.63 T</i>		K. Handling Codes for Wastes Listed Above <i>S. of 2081</i>					
b. <i>US 3210 P</i>							
15. Special Handling Instructions and Additional Information <i>This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990 per 18-04X</i>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <i>Julie P Via</i>		Signature <i>Julie P Via</i>		Month Day Year <i>12/16/88</i>			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>LARRY FIESTONE</i>		Signature <i>Larry Fiestone</i>		Month Day Year <i>12/16/88</i>			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name <i>J H HARDING</i>		Signature <i>J H Harding</i>		Month Day Year <i>12/19/88</i>			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0028
Expires 8-30-88

ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 000427906100326		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA 19137				A. State Manifest Document Number PAB 5813802			
4. Generator's Phone 215-535-7222				B. State Gen. ID			
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJ P 067387514		C. State Trans. ID PA-AH 10107			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 617-291-0950			
9. Designated Facility Name and Site Address ENVIRSAFE SERVICES OF OHIO INC 876 OTIER CREEK RD LAKELAND, OHIO 43666				10. US EPA ID Number 10-HD045243706			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM E. NA9189				No. Type		14. Unit Wt/Vol	
b.				001 OT		0.0.0.15 Y	
c.				...		48140 16	
d.				...		2407 T	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40CFR 268.33 (c) UNTIL AUGUST 8, 1990. PEN# 1850AX				K. Handling Codes for Wastes Listed Above Scop 2 291			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 12/4/88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JOHN BARRHART				Signature John Barrhart		Month Day Year 12/4/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18. Printed/Typed Name Jett HARDING							
Signature Jett Harding				Month Day Year 12/19/88			

in case of an emergency or spill immediately call the National Response Center (800) 424-9802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0039
Expires 9-30-88

ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 000042790600385		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA		A. State Manifest Document Number PAB 5813813		B. State Gen. ID	
4. Generator's Phone 1 215 535 7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J. 0067387514		C. State Trans. ID PA-AH 10-1-07	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 231-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616		10. US EPA ID Number 10 N.A. 0.45243706		F. Transporter's Phone		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE Solid N.O.S. DRM-E NA 9189		12. Containers No. Type 001 DTD 0.0.1.5 Y K.0.8.7		13. Total Quantity		14. Unit Wt/Vol	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code) Haz. Code Physical State LT L 30.7 T		K. Handling Codes for Wastes Listed Above S. 0 1 0 0 1		15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN# 1850AX		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Wayne E Gohn		Signature <i>Wayne E Gohn</i>		Month Day Year 11/21/88		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name W. E. Gohn	
19. Discrepancy Indication Space		Signature <i>W. E. Gohn</i>		Month Day Year 11/21/88		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name JEFF HAMMICK	
		Signature <i>Jeff Hammick</i>		Month Day Year 11/21/88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

ER-SWM-51:REV. 6/87

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OMB No. 2050-0030
Expires 9-30-88

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.D000.4.2.7.7.0.6100324		2. Page of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.		A. State Manifest Document Number PAB 5813824		B. State Gen. ID	
4. Generator's Phone 215 535-7222		5. US EPA ID Number PA-AH 10.1.0.7		C. State Trans. ID PA-AH 10.1.0.7		D. Transporter's Phone 607 931-0950	
6. Transporter 1 Company Name CONTINENTAL VANGUARD		7. US EPA ID Number N.J.0067.38.7.5.1.4		E. State Trans. ID PA-AH		F. Transporter's Phone 419 226-1521	
8. Transporter 2 Company Name		9. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC 876 OTTER CREEK RD OREGON, OHIO 43616		10. US EPA ID Number OH.D004.5.243.706					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				No. Type 0.01 D.T 0.0.0.1.5 Y		14. Unit Wt/Vol K.0.8.7	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN#1850AX				K. Handling Codes for Wastes Listed Above Scp 10.81			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: Julie P Via Signature: <i>Julie P Via</i> Month Day Year: 12/16/88							
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: Tom Ruank Signature: <i>Tom Ruank</i> Month Day Year: 12/16/88							
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name: Jett HARDING Signature: <i>Jett Harding</i> Month Day Year: 12/16/88							



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OARS No. 2008-0038
Expires 9-30-88

ER-SWM-31-REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906100323		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & Orthodox Sts Philadelphia, PA. 19137				A. State Manifest ID PAB		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		6. US EPA ID Number NJ0-067-38-7514		C. State Trans. ID PA-AH 10107		D. Transporter's Phone 607-934-1111	
5. Transporter 1 Company Name Continental Vanguard		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number OH0045243706		G. State Facility's ID Not Required		H. Facility's Phone 419-726-1501	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTICREEK RD. OREGON, OHIO 43616				11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			
a. HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189				12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
				0.01	0.7	P.O.	0.15 Y X 0.87
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State LHT LS 5700 P		c. Haz. Code Physical State		. Sept 10 91			
b. Haz. Code Physical State LL 2795 T		d. Haz. Code Physical State		b. d.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature Julie P Via		Month Day Year 12/16/88			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GLENN T CHAIR		Signature Glenn St Clair		Month Day Year 12/16/88			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy/Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name J H HADDON		Signature J H Haddon		Month Day Year 11/19/88			

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0035
Expires 9-30-88

ER-SWM-51:REV. 6/87

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GENERATOR

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>P-HD-000427906</i>		Manifest Document No. <i>100322</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address: <i>Philadelphia Coke Co. Richmond & ORTHODOX sts. Philadelphia, PA.</i>				A. State Manifest Document Number <i>PAB 5813846</i>		B. State Gen. ID			
4. Generator's Phone <i>215 533 7000</i>				5. Transporter 1 Company Name <i>Continental Vanguard</i>		6. US EPA ID Number <i>N.J. 067-387-514</i>		7. State Trans. ID <i>PA-AH 10-1-071</i>	
5. Transporter 1 Company Name <i>Continental Vanguard</i>				6. US EPA ID Number <i>N.J. 067-387-514</i>		7. State Trans. ID <i>PA-AH 10-1-071</i>		D. Transporter's Phone <i>609 931-0950</i>	
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Trans. ID <i>PA-AH</i>		F. Transporter's Phone	
9. Designated Facility Name and Site Address: <i>ENVIOSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd OREGON, OHIO 43616</i>				10. US EPA ID Number <i>10-HD-045243706</i>		G. State Facility's ID <i>Not Required</i>		H. Facility's Phone <i>419 926-1521</i>	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. <i>HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189</i>						No. <i>0-01</i> Type <i>D-T</i>		14. Unit Wt/Vol <i>0.0-0.15 Y</i>	
b.								15. Waste No. <i>K-08-7</i>	
c.									
d.									
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
Haz. Code		Physical State		Haz. Code		Physical State		a. <i>S 4 I D 91</i>	
<i>LT</i>		<i>LS</i>		<i>LT</i>		<i>LS</i>			
<i>25.94 T</i>		<i>SI 800 P</i>		<i>LT</i>		<i>LS</i>			
15. Special Handling Instructions and Additional Information <i>THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN# 1850MX</i>									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name <i>JULIE P VIA</i>				Signature <i>JULIE P VIA</i>				Month Day Year <i>12/7/88</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <i>DAVID DANIELS</i>				Signature <i>David Daniels</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.									
Printed/Typed Name <i>JEFF HARDING</i>				Signature <i>Jeff Harding</i>				Month Day Year <i>11/21/89</i>	

ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA000042790600321		Manifest Document No. 00321		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.						
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. PENNONT & ORTH COCK STS.						A. State Manifest Document Number PAB 5813850								
4. Generator's Phone 215 535-7220						B. State Gen. ID								
5. Transporter 1 Company Name Continental Vanguard			6. US EPA ID Number N.J.0067387514			C. State Trans. ID PA-AH 01-07								
7. Transporter 2 Company Name						D. Transporter's Phone (610) 931-0950								
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43066						E. State Trans. ID PA-AH								
10. US EPA ID Number 10.HD.045243706						F. Transporter's Phone								
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. HAZARDOUS WASTE SOLID N.O.S., ORM-E NA 9189						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.		
						001 DT		0.0.0.15 Y		K.0.87				
						...		58520 lb						
						...		29.24T						
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code) Haz. Code Physical State						K. Handling Codes for Wastes Listed Above								
a. U1 U9			c. U1 U1			a. D81			c.					
b. U1 U1			d. U1 U1			b. SUB								
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 185UAX														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.														
Printed/Typed Name Julie P Via					Signature <i>Julie P Via</i>					Month Day Year 12/16/88				
17. Transporter 1 Acknowledgement of Receipt of Materials														
Printed/Typed Name Rodger Barron					Signature <i>Rodger Barron</i>					Month Day Year 12/21/88				
18. Transporter 2 Acknowledgement of Receipt of Materials														
Printed/Typed Name					Signature					Month Day Year				
19. Discrepancy Indication Space														
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.														
Printed/Typed Name Dale M Perther					Signature <i>Dale M Perther</i>					Month Day Year 12/19/88				



ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-9802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.000.0.4.2.7.9.0.6		Manifest Document No. 00320		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia A COKE CO. RICHMOND & ORTHODOX STS. Philadelphia, PA						A. State Manifest Document Number PAB 5813872		B. State Gen. ID	
4. Generator's Phone 1265 1535 7212						5. US EPA ID Number NJ.0.6.7.38.7.514		C. State Trans. ID PA-AH 10.1.0.71	
5. Transporter 1 Company Name CONTINENTAL VANGUARD						7. Transporter 2 Company Name		D. Transporter's Phone (609) 431-0150	
6. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43066						8. US EPA ID Number 10.H.D.0.4.5.2.4.3.7.0.6		E. State Trans. ID PA-AH	
9. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. OPMI-E NA 7189						No. Type		14. Unit Wt/Vol	
						0.0 10.70.0.0.1.54		K.0.8.7	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. [] [] 24.78 T [] []						S.0.1.0.81			
b. [] [] 49560 P [] []									
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8 1990 PCN # 1500-1X									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via			Signature Julie P Via			Month Day Year 12/16/88			
17. Transporter 1 Acknowledgement of Receipt of Materials					18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name RALPH REIKING			Signature Ralph Reiking			Month Day Year 12/16/88			
Printed/Typed Name			Signature			Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Jeff HARDING			Signature Jeff Harding			Month Day Year 12/19/92			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OAS No. 2000-0039
Expires 6-30-88

EF-SWM-51:REV. 6/87

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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA00.004277.0.6100379		Manifest Document No. 100379		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
3. Generator's Name and Mailing Address Philadelphia Coke Co. Rt 11000x Sts. Philadelphia PA. 19137						A. State Manifest Document Number PAB 5813883		B. State Gen. ID							
4. Generator's Phone (215) 535-7000		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D.06.7.38.7574		C. State Trans. ID PA-AH 0107		D. Transporter's Phone 609 740 0950							
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIRSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		10. US EPA ID Number OH.D.04.5.2.437.0.6		E. State Trans. ID PA-AH							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. L Waste No.			
a. HAZARDOUS WASTE SOLID N.O.S. CRM-E NA 9189						No. Type		Quantity		Unit Wt/Vol		Waste No.			
						0.01 D.TG		0.0.1.54		K.0.8.7					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above									
a. LT LS 27.12 T						b. S-01 D.81									
b. LS 4240R						c. LS 4240R									
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.53(c) UNTIL AUGUST 30 1990 PER # 18504X															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 12/14/88							
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Donald W. Kenni				Signature <i>Donald W. Kenni</i>				Month Day Year 10/21/88			
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.															
Printed/Typed Name JEFF HARDWIC				Signature <i>Jeff Hardwic</i>				Month Day Year 11/19/88							

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator

Copy 8 - Generator: Retain This Copy

34. 6071



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0028
Expires 9-30-88

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in case of an emergency or spill immediately call the national response center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA.D000.4.27.70.6100378		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. Philadelphia, PA 19137				A. State Manifest Document Number PAB 5813894		B. State Gen. ID	
4. Generator's Phone 215 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.A.06.7.38.1514		C. State Trans. ID PA-AH 0107	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609 937 0800		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVROSAFE SERVICES OF OHIO INC. 816 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 10.A.D.04.5.2.43706		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE Solid NO. ORN.E				No. Type		14. Unit Wt/Vol	
NA 9189				0.01 DT		000154 R.08.7	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		b. Haz. Code Physical State		c.		d.	
U9 29747		U9 57480P		S01 I 081			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 46 CFR 268.33(c) UNTIL AUGUST 8 1990 PER # 18504X							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 12/16/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name RONALD BITTNER		Signature Ronald Bittner		Printed/Typed Name		Signature	
						Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jeff HRCOMC				Signature Jeff HRCOMC		Month Day Year 12/18/88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.00.427.906100317**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**Philadelphia Coke Co,
Richmond & ORTHODOX STS., Philadelphia, PA.
19137**

A. State Manifest Document Number
PAB 5813776

4. Generator's Phone **(215) 535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

C. State Trans. ID
PA-AH 10.1.0.7

6. US EPA ID Number
N.J.006738.7.5.1.4

D. Transporter's Phone
609 931-0950

7. Transporter 2 Company Name

E. State Trans. ID
PA-AH

8. US EPA ID Number

F. Transporter's Phone ()

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO INC,
876 OTTER CREEK RD
OREGON, OHIO 43616**

G. State Facility's ID
Not Required

10. US EPA ID Number
10.H.D.0.45.24.3906

H. Facility's Phone
(419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit wt/vol	15. Waste No.
	No.	Type			
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	DT	0.0015	Y	K-087
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
Haz. Code Physical State Haz. Code Physical State

K. Handling Codes for Wastes Listed Above

a. **U7 U9 28.45T** b. **U7 U9**

a. **S** b. **D81**

15. Special Handling Instructions and Additional Information
**THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER
40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN# 1850 AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and if I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/21/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **George S Fochtman** Signature **George S Fochtman** Month Day Year **11/21/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name **Jeff HRCOMC** Signature **Jeff HRCOMC** Month Day Year **11/21/88**

Generator (10/1) 44-8802 and the PA DER (717) 787-4343

RECEIVED



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D000427906100316		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & Orthodox Sts. Philadelphia, PA. 19137				A. State Manifest Document Number PAB 5813780		B. State Gen. ID	
4. Generator's Phone 215-535-7222				6. US EPA ID Number N.J.0067387514		C. State Trans. ID PA-AH 101074	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				7. Transporter 2 Company Name		D. Transporter's Phone 609934-0150	
8. Designated Facility Name and Site Address ENVIKOSAT SERVICES OF OHIO INC. 676 OTTER CREEK RD. OREGON, OHIO 43616				9. US EPA ID Number 10-HD045243706		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189				12. Containers No. Type 001 OT		13. Total Quantity 00.015 Y	
14. Unit K087				15. Waste No. 081			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code) a. 3S SS T				K. Handling Codes for Wastes Listed Above a. Sep 1081			
b. 71, 100 P.				b. 			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. P.C.N # 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 12/1/88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Donald J Deune				Signature <i>Donald J Deune</i>		Month Day Year 12/1/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 				Signature 		Month Day Year 	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name JEFF HARDING							
Signature <i>Jeff Harding</i>				Month Day Year 12/1/88			

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

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FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D000-427906100-315		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.				A. State Manifest Document Number PA-5813791			
4. Generator's Phone (215) 535-7222				B. State Gen. ID			
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number WJ-D067-387514		C. State Trans. ID PA-AH 10-1-0-71		D. Transporter's Phone 607-931-0950	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIKOSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43066				10. US EPA ID Number 10-H-004524-3706			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE Solid N.O.S. ORM E NA9189				No. Type		14. Unit Wt/Vol	
				00-1 DT		000.15 Y K.0.8.7	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LT US 28.41 T		b. LL		c. LL		d. 5.0 1 081	
b. LL US 1.820 P.		c. LL		d. LL			
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN#1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/1/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Larry K Barnett</i>		Month Day Year 11/2/88	
Printed/Typed Name LARRY K BARNETT				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Jeff Harding				Signature <i>Jeff Harding</i>		Month Day Year 11/19/88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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Expires 8-30-88

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GENERATOR
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-000042790600374		2. Page 1 of 1		3. Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA. 19137		A. State Manifest Document Number PAB 5813706		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		6. US EPA ID Number N.J.D. 007 387 906		C. State Trans. ID PA-AH 101071		D. Transporter's Phone 609 931-0951	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
7. Transporter 2 Company Name		10. US EPA ID Number 10-HD-045243706		G. State Facility's ID Not Required		H. Facility's Phone 419 726-1521	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER RD OREGON OHIO 43616		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		No.		Type		L Waste No.	
a. HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189		001		BT		0.0015 Y K.0.8.7	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above					
a. LM LS 25.21 T		b. SOP 3 DBI					
b. LS 50420P		d.					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR, 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/21/88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Dennis Deist		Signature <i>Dennis Deist</i>		Month Day Year 11/21/88	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Jeff Harding		Signature <i>Jeff Harding</i>		Month Day Year 11/21/88			

ER-SWM-51:REV. 8/87

Please print or type. (Form designed for use on either (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000042790600373		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND FORT HODGKINS STS. Philadelphia, PA. 19137				A. State Manifest Document Number PAB 5813710			
4. Generator's Phone (215) 535-7222				B. State Gen. ID			
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJ0067387514		C. State Trans. ID PA-AH 101-071		D. Transporter's Phone 609 9310950	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43016				10. US EPA ID Number 10-H0045243706		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
				0010700.15		Y/K 087	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U9 23.06 T		b. U5 4120 P		c. S, S, I, D, B			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990 PEN # 185UAX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 12/16/88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name GLENN D. KLINK		Signature <i>Glenn D. Klink</i>		Month Day Year 12/16/88	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name L. H. H...		Signature <i>L. H. H...</i>		Month Day Year 12/19/88			

Response Center (OUU) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0038
Expires 9-30-88

EP-SWM-51-REV. 8/87

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D000427906100312		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RIMMOND & ORTHODOX STS. Philadelphia, PA. 19137				A. State Manifest Document Number PAB 5813721		B. State Gen. ID	
4. Generator's Phone 215-535-7222		6. US EPA ID Number NJ0067387514		C. State Trans. ID PA-AH 10-1-0-71		D. Transporter's Phone 609-431-0950	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number 10-H004524370.6		G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				12. Containers		13. Total Quantity	
				No.		14. Unit Wt/Vol	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORN-E NA9189				Type D.0.1		L. Waste No. 1-T 0.0.0.15 Y K.0.8.7	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code U7		Physical State LS		c. Haz. Code U7		Physical State LS	
b. Haz. Code U7		Physical State LS		d. Haz. Code U7		Physical State LS	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 1850 AX				16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.			
Printed/Typed Name J. K. R. DINGEMER		Signature <i>[Signature]</i>		Month Day Year 11/1/88			
17. Transporter 1 Acknowledgement of Receipt of Materials				18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name Al...		Signature <i>[Signature]</i>		Month Day Year 11/1/88			
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JERRY PELLE		Signature <i>[Signature]</i>		Month Day Year 11/1/88			

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427706100311		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA. 19137				A. State Manifest Document Number PAB 5813732			
4. Generator's Phone 215 535-7222				B. State Gen. ID			
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJ6067387514		C. State Trans. ID PA-AH 10-1-0-71		D. Transporter's Phone 608 931-0750	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 10H0045243706			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.I.S. ORM-E NA 9189				12. Containers No. Type 001 OT		13. Total Quantity 000.15 Y	
				14. Unit Wt/Vol		15. Waste No. K-08-7	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Conditions for Wastes Listed Above			
a. Haz. Code Physical State LIT US		c. Haz. Code Physical State [] []		b. [] []		d. [] []	
b. [] []		d. [] []		b. [] []		d. [] []	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name J. Kurt ANGERMEIER				Signature <i>[Signature]</i>		Month Day Year 11/1/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Month Day Year 11/1/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Month Day Year [] [] []	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JERRY P. [Signature]				Signature <i>[Signature]</i>		Month Day Year 11/17/88	

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA-D000-42790.6100310** Manifest Document No.

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address: **PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.**

4. Generator's Phone: **(215) 535-7222 19137**

5. Transporter 1 Company Name: **CONTINENTAL VANGUARD**

6. US EPA ID Number: **IN-J-0-0-6-738-7-514**

7. Transporter 2 Company Name: _____

8. US EPA ID Number: _____

9. Designated Facility Name and Site Address: **ENVIROSTATE SERVICES OF OHIO INC. 876 OUTER CREEK RD. OREGON, OHIO 43016**

10. US EPA ID Number: **10-H-0-1-4-5-2-43706**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number): **HAZARDOUS WASTE Solid N.O.S. ORM-E NA9189**

12. Containers: **0-01 0-T 0-0-0-1-5 Y K-0-8-7**

13. Total Quantity: _____

14. Unit: **Y**

15. Waste No.: **K-0-8-7**

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State	K. Handling Codes for Wastes Listed Above
U1T	LS	U1	U1	27.4T
U1	U1	U1	U1	5400P

15. Special Handling Instructions and Additional Information: **This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990. Per # 1850 AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **J. H. ET ANGERMEIER** Signature: *[Signature]* Month Day Year: **11/11/88**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: **GLENN D. KLINK** Signature: *[Signature]* Month Day Year: **11/11/88**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: **Donald L. Anderson Jr.** Signature: *[Signature]* Month Day Year: **11/16/88**

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: **JERRY P. C... [unclear]** Signature: *[Signature]* Month Day Year: **11/17/88**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA-00-00427706100309**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.
19137**

A. State Manifest Document Number
PAB 5813754

4. Generator's Phone **(215) 535-7222**
5. Transporter 1 Company Name
CONTINENTAL VANGUARD

B. State Gen. ID
C. State Trans. ID
PA-AH 101-D-71

6. US EPA ID Number
N.J.0067387514

D. Transporter's Phone
601-731-0950

7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK RD
OREGON, OHIO 43616**

E. State Trans. ID
PA-AH

F. Transporter's Phone
G. State Facility's ID
Not Required
H. Facility's Phone
419-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. HAZARDOUS WASTE SOLID N.O.S. DRM-E N19189	001	DT000.15Y			K.087
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
 a. **71 51**
 b. **11 11**
 c. **11 11 23.71T**
 d. **11 11 47420P?**

K. Handling Codes for Wastes Listed Above
 a. **506-DB1**
 b. **0**
 c.
 d.

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8 1990. PCN# 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Julie P Via** Signature: **Julie P Via** Month Day Year: **11/11/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **Charlie Parker** Signature: **Charlie Parker** Month Day Year: **11/10/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted to item 19.
 Printed/Typed Name: **Jerrey P. Riddle** Signature: **Jerrey P. Riddle** Month Day Year: **11/17/88**

Response Center (800) 424-8802 and the PA DER (717) 787-4343



EP SWM-51:REV. 8/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000042790600308		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.				A. State Manifest Document Number PAB 5813765		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				5. US EPA ID Number NJAD067387504		C. State Trans. ID PA-AH 101091	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number		D. Transporter's Phone 607-731-0950	
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OUTER CREEK RD OREGON, OHIO 43066				10. US EPA ID Number OH0045243706		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
				0 0 1 0 0 0 1 5		Y K 0 8 7	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State LIT LIS		c. Haz. Code Physical State 27.62 T		b. (S) (S) (S)		d.	
b. Haz. Code Physical State		d. Haz. Code Physical State SS 240 P					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. P.N # 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 11/16/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name DAVID HUISY		Signature David Huisy	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name DAVID HUISY		Signature David Huisy	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JERRY PELLE				Signature Jerry Pelle		Month Day Year 11/17/88	

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17100

Form approved
OMB No. 2060-0026
Expires 6-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA-D0000427906** Manifest Date **00307**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**Philadelphia Coke Co
Richmond ; Orthodox Sts Philadelphia PA 19137**

A. State Manifest Document Number
PAB-5813695

4. Generator's Phone **215-535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
Continental Vanguard

C. State Trans. ID
PA-AH 10-107

6. Transporter 1 US EPA ID Number
INJ-D0067387514

D. Transporter's Phone
419-991-0750

7. Transporter 2 Company Name

E. State Trans. ID
PA-AH

8. Designated Facility Name and Site Address
**EnviroSafec Services of Ohio Inc.
876 Otter Creek Rd.
Oregon OH 43616**

F. Transporter's Phone
G. State Facility ID
H. Facility's Phone
419-991-0750

9. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

10. US EPA ID Number
10-H-D045243706

a. **Hazardous Waste Solid N.O.S.
ORM-E NA 9189**

12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
001	DT 000.15	Y	K087

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
a. LT	US	c. LT	US
b. LT	US	d. LT	US

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined, to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/10/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Jeff Ackland** Signature **Jeff Ackland** Month Day Year **11/10/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Specs

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name **Jeff HARDING** Signature **Jeff Harding** Month Day Year **11/09/88**

In case of an emergency or spill immediately call the Natl. Response Center (800) 424-8802 and the PA DER (717) 787-4343

ER-SWM-51-REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.D0.0.0.4.2.9.0.6		Manifest Document No. 0.0.306		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS.				6. US EPA ID Number NJ.D06738.1.9.06		A. State Manifest Document Number PAB 5813684		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				7. Transporter 1 Company Name CONTINENTAL VANGUARD		C. State Trans. ID PA-AH 101071		D. Transporter's Phone 609 734-0950	
8. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10.H0.0.4.5.2.4.37.06		E. State Trans. ID PA-AH		F. Transporter's Phone 419 726-1521	
9. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				12. Containers No. Type 0.01 DT		13. Total Quantity 0.0015 Y		14. Unit Wt/Vol K 0.87	
11. Additional Descriptions for Materials Listed Above (Include physical state and hazard code) a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850AX		K. Handling Codes for Wastes Listed Above S, I, D, S, I			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Andrew B. Long				Signature <i>Andrew B. Long</i>		Month Day Year 11 10 78			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name George S. Fochtman				Signature <i>George S. Fochtman</i>		Month Day Year 11 10 78			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Jeff HARDING				Signature <i>Jeff Harding</i>		Month Day Year 11 6 89			

in case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2083
Harrisburg, PA 17120

Form approved
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA-0000427906100305		Manifest Document No. 00305		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. Philadelphia, PA. RICHMOND & ORTHODOX STS. 19137						A. State Manifest Document Number PAB 5813673									
4. Generator's Phone (215) 535-7222						B. State Gen. ID									
5. Transporter 1 Company Name CONTINENTAL VANGUARD						6. US EPA ID Number NJ0067387514		C. State Trans. ID PA-AH 101071							
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 608 737-0950							
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616						10. US EPA ID Number OH0045243706		E. State Trans. ID PA-AH							
						F. Transporter's Phone		G. State Facility's ID Not Required							
						H. Facility's Phone 419 726-1501									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE Solid N.O.S. ORM-E NA9189						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. L Waste No.			
						No.		Type							
						0010		T000		15		Y		K087	
						
						
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above									
a. Haz. Code Physical State		c. Haz. Code Physical State		b.		d.									
[] []		[] []		[] []		Scrap & DBI									
b. [] []		d. [] []		[] []		[] [] [] []									
15. Special Handling Instructions and Additional Information this waste is exempt from land disposal restrictions per 40 CFR 262.33(c) until August 8, 1990. PCN # 1850 AX															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name Andrew B. Long			Signature <i>Andrew B. Long</i>			Month Day Year 11/27/89									
17. Transporter 1 Acknowledgement of Receipt of Materials															
Printed/Typed Name RALPH REIKING			Signature <i>Ralph Reiking</i>			Month Day Year 11/27/89									
18. Transporter 2 Acknowledgement of Receipt of Materials															
Printed/Typed Name			Signature			Month Day Year									
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.															
Printed/Typed Name JEFF HARDING			Signature <i>Jeff Harding</i>			Month Day Year 11/08/89									



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in case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA-010-7-279-06100304		2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.									
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. Philadelphia, PA. RICHMOND & ORTHODOX STS.		6. US EPA ID Number PA-010-7-279-06100304		A. State Hazardous Waste Code PA-010-7-279-06100304										
4. Generator's Phone (215) 535-7222		7. Transporter 1 Company Name CONTINENTAL VANGUARD		B. State Gen. Inv. No.										
5. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number PA-010-7-279-06100304		C. State Trans. ID No. PA-010-7-279-06100304										
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 610-231-0930										
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		10. US EPA ID Number OH0145243706		E. State Trans. ID PA-010-7-279-06100304										
9. Designated Facility Name and Site Address		10. US EPA ID Number		F. Transporter's Phone										
9. Designated Facility Name and Site Address		10. US EPA ID Number		G. State Facility's ID Not Required										
9. Designated Facility Name and Site Address		10. US EPA ID Number		H. Facility's Phone 717-728-7594										
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.									
		0-01 D	10.60.15	Y	K087									
b.			2.89	T										
c.			43780	lb										
d.														
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above												
a. <table border="1"><tr><td>Haz. Code</td><td>Physical State</td></tr><tr><td> </td><td> </td></tr></table>		Haz. Code	Physical State			c. <table border="1"><tr><td>Haz. Code</td><td>Physical State</td></tr><tr><td> </td><td> </td></tr></table>		Haz. Code	Physical State			a. DY SCUF		
Haz. Code	Physical State													
Haz. Code	Physical State													
b. <table border="1"><tr><td>Haz. Code</td><td>Physical State</td></tr><tr><td> </td><td> </td></tr></table>		Haz. Code	Physical State			d. <table border="1"><tr><td>Haz. Code</td><td>Physical State</td></tr><tr><td> </td><td> </td></tr></table>		Haz. Code	Physical State			b. CHD		
Haz. Code	Physical State													
Haz. Code	Physical State													
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990 PER #1850AX														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.														
Printed/Typed Name Andrew B Long		Signature <i>Andrew B Long</i>		Month Day Year 11/10/88										
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Alvin J Kupschler		Signature <i>Alvin J Kupschler</i>		Month Day Year 11/15/88								
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year								
19. Discrepancy Indication Space														
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.														
Printed/Typed Name Jeff HARDING		Signature <i>Jeff Harding</i>		Month Day Year 11/16/88										

ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on 8 1/2 (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. **PAD00042790607503**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Philadelphia Coke Co. Philadelphia, Pa.
4. Generator's Phone **1215-535-7222**

A. State Manifest Document Number
PAB 8813551
B. State Gen. ID

5. Transporter 1 Company Name
Continental Vanguard
6. US EPA ID Number
INJ0067387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name
8. US EPA ID Number

D. Transporter's Phone
609-731-0920
E. State Trans. ID
PA-AH

9. Designated Facility Name and Site Address
EnviroSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616
10. US EPA ID Number
10-AH-095243906

F. Transporter's Phone
G. State Facility's ID
Not Required
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

a. **HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189**

No.	Type	13. Total Quantity	14. Unit WU/Vol	15. Waste No.
001	DTO	0.0154		K087

b. **27.32 T 59640 P.**

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

K. Handling Codes for Wastes Listed Above
S, O, I, D, B, I

15. Special Handling Instructions and Additional Information

THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. IEN # 1350AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Andrew B. Long
Signature
Andrew B. Long
Month Day Year
11/10/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Donald J. Devlin
Signature
Donald J. Devlin
Month Day Year
11/10/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
JCH HARDING
Signature
JCH Harding
Month Day Year
11/18/89

Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2060-0035
Expires 9-30-89

ER-SHA-51-REV. 6/87

Please print or type. (Form designed for use on 8 1/2" (12-pitch) typewriter.)

In case of an emergency or spill immediately call the National Response Center (800) 424-9802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA-D0004279-06100301		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA. 19137				A. State Manifest Document No. PAB 58		B. State Gen. ID	
4. Generator's Phone 215-535-7222		5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number NJ-D-067387514		C. State Trans. ID PA-AH 101011	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 607-330-0700		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd. OREGON, OHIO 43616				10. US EPA ID Number 10.HD045243706		F. Transporter's Phone	
				G. State Facility's ID		H. Facility's Phone 419-766-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers	
						No. Type	
a. HAZARDOUS WASTE SLD N.O.S. ORM-E NA 9189						13. Total Quantity 0.010 TD 0.015 Y	
b.						14. Unit 5.766 P	
c.						15. Waste No. 28.83 T	
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above	
Hazard Code		Physical State		Hazard Code		Physical State	
a. <input type="checkbox"/>		<input type="checkbox"/>		c. <input type="checkbox"/>		<input type="checkbox"/>	
b. <input type="checkbox"/>		<input type="checkbox"/>		d. <input type="checkbox"/>		<input type="checkbox"/>	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN #1550 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11-10-88	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name John Barotini				Signature <i>John Barotini</i>		Month Day Year 11-10-88	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Dale M Pentner				Signature <i>Dale M Pentner</i>		Month Day Year 11-10-88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

ER-SYM-51-REV. 6/87

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Form approved.
OHS No. 2050-003
Expires 9-30-88

In case of an emergency or spill immediately call the Nat. Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 000427706100301		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, Pa. 19137				A. State Manifest Designation PAB		B. State Gen. ID	
4. Generator's Phone 215 535-7222				6. US EPA ID Number N.J. 0067387514		C. State Trans. ID PA-AH 101	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				8. US EPA ID Number		D. Transporter's Phone 609 338 3030	
7. Transporter 2 Company Name				9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OUTER CREEK RD. OREGON, OHIO 43616		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address				10. US EPA ID Number OH.D.04524370.6		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type		Unit Wu/Vol	
b.				00 10 T 0 0 0 1 5 Y		K0 8 7	
c.				.		.	
d.				.		.	
2804 T SLOBO				.		.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. <input type="checkbox"/> <input type="checkbox"/>				b. <input type="checkbox"/> <input type="checkbox"/>			
c. <input type="checkbox"/> <input type="checkbox"/>				d. <input type="checkbox"/> <input type="checkbox"/>			
e. <input type="checkbox"/> <input type="checkbox"/>				f. <input type="checkbox"/> <input type="checkbox"/>			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(C) UNTIL AUGUST 8, 1990. PEN #1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable, and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Andrew B Lory				Signature <i>Andrew B Lory</i>		Month Day Year 1/14/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Donald Devine		Signature <i>Donald Devine</i>	
						Month Day Year 1/14/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
						Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jeff HARDING				Signature <i>Jeff Harding</i>		Month Day Year 1/14/88	



PAENSRVIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
 Bureau of Waste Management
 P. O. Box 2063
 Harrisburg, PA 17120

Form approved
 OMB No. 2060-0038
 Expires 9-30-88

ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA D0007-27706100300		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHOODX STS. Philadelphia, Pa.				A. State Manifest Document Number PAB 5813592		B. State Gen. ID.	
4. Generator's Phone 215-535-7222				5. US EPA ID Number WJ D0073-87514		C. State Trans. ID PA AH 10107	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number		D. Transporter's Phone 607-331-0150	
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Trans. ID PA AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number O.H.O.04.524.3706		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type		Unit	
				0.01 D70.0.0.15		Y K.0.8.7	
b.							
c.							
d.							
29517 57020P.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. <input type="checkbox"/> <input type="checkbox"/>				b. S.0.1.0.0.1			
c. <input type="checkbox"/> <input type="checkbox"/>				d. <input type="checkbox"/> <input type="checkbox"/>			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS; PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Andrew B Long		Signature Andrew B Long		Month Day Year 11 10 88			
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Donald W. Reim		Signature Donald W. Reim		Month Day Year 11 10 88			
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name J. H. HADDIX		Signature J. H. Haddix		Month Day Year 11 11 88			

EPA-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. **PAD00042790600299**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Philadelphia Cake Co. Philadelphia, PA.

A. State Manifest Document Number
PAB 5813603

4. Generator's Phone
215 535-7232 19137

B. State Gen. ID

5. Transporter 1 Company Name
Continental Vanguard

6. US EPA ID Number
NJD-067387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
601 931 0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO INC, 876 OTTER CREEK RD OREGON, OHIO 43616

10. US EPA ID Number
OH-D-045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID
Not Required

H. Facility's Phone
619 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
001	DT00.015	Y	K0.8.7
		24.69	T
		49380	16

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
 a. Haz. Code Physical State
 b. Haz. Code Physical State
 c. Haz. Code Physical State
 d. Haz. Code Physical State

K. Handling Codes for Wastes Listed Above
 a. **D81**
 b. **SELF WAST**

15. Special Handling Instructions and Additional Information
This waste is EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990 PER #1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Andrew B. Long** Signature: *Andrew B. Long* Month Day Year: **11 10 88**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **DAVID HURSEY** Signature: *David Hursey* Month Day Year: **11 10 88**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name: **Dale M Pertner** Signature: *Dale M Pertner* Month Day Year: **11 10 88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0028
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA-D000427906100298		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Cake Co. RICHMOND & ORTHODOX STS. Philadelphia, PA. 19137				A. State Manifest Number PAB-115814		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				C. State Trans. ID PA-AH 10107		D. Transporter's Phone 608-231-1150	
5. Transporter 1 Company Name Continental Vynured		6. US EPA ID Number INJ0067387514		E. State Trans. ID PA-AH		F. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 919 726-7301	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd OREGON, OHIO 43616				10. US EPA ID Number 10-HA045243706			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE Solid N.O.S. ORM-E NA9189				12. Containers No. Type 001 BT 000015 Y R087		13. Total Quantity 27.95 T 55900 P.	
14. Unit Y				15. Waste No. R087			
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		c. Haz. Code Physical State		a.		c.	
b. <input type="checkbox"/> <input type="checkbox"/>		d. <input type="checkbox"/> <input type="checkbox"/>		b. Sep 2 DBL.			
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN# 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/10/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Jeff Godclard</i>		Month Day Year 11/13/88	
Printed/Typed Name Jeff Godclard				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JCH HARDWIX				Signature <i>JCH Hardwix</i>		Month Day Year 11/15/88	



Bureau of Waste Management
P.O. Box 2063
Harrisburg, PA 17120

Form approved
OASIS No. 2859-0038
Expires 9-30-88

ER-SWM-51-REV. 8/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA-00-07-279-0610-00296		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA.				A. State Manifest Document Number PAB 58136		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				5. US EPA ID Number PA-AH 101071		C. State Trans. ID	
6. Transporter 1 Company Name Continental Vanguard				6. US EPA ID Number PA-AH 6019-0-0150		D. Transporter's Phone	
7. Transporter 2 Company Name				6. US EPA ID Number		E. State Trans. ID	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OUTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 10-H-00452439-06		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. PRM-E NA 9189				12. Containers No. Type		13. Total Quantity	
				001 D.T		000.15 YK.0.87	
14. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				15. Handling Codes for Wastes Listed Above		16. Unit. Waste No.	
a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				c. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		d. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990. P.N.# 1250AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/10/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>James M. Etnich</i>		Month Day Year 11/10/88	
Printed/Typed Name James M. Etnich				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Specs							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jeff HARDING				Signature <i>Jeff Harding</i>		Month Day Year 11/10/88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

ER-SWM-51:REV. 6/87

Please print or type. Form designed for use on elite (12-pitch) typewriter.

Form approved
OMB No. 2050-0038
Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D. 000427906**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Philadelphia Coke Co. Philadelphia, Pa.

A. State Manifest ID No. **PAB 5...**

4. Generator's Phone **215-535-7202**

B. State Gen. ID

5. Transporter 1 Company Name **Continental Vanguard**

C. State Trans. ID **PA-AH 10-1-07**

6. US EPA ID Number **INJ.D.067387514**

D. Transporter's Phone **607-937-7120**

7. Transporter 2 Company Name

E. State Trans. ID **PA-AH**

8. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43066

F. Transporter's Phone

9. US EPA ID Number **10.H.D.045243706**

G. State Facility's ID **Not Required**

10. US EPA ID Number

H. Facility's Phone **919-726-7321**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HAZARDOUS WASTE SOLID N.O.S. DRM-E NA 9189

12. Containers	13. Total Quantity	14. Unit	15. L. E. M. Waste No.
No.	Type	Wt/Vol	
001	DT	0.0015 Y	K0.89
		54940	16
		27.42	T

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

K. Handling Codes for Wastes Listed Above
DF1
SCNF, cell I

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations...

Printed/Typed Name **Andrew B. Ling** Signature **Andrew B. Ling** Month Day Year **11 03 88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Alvin J. Knopsnyder** Signature **Alvin J. Knopsnyder** Month Day Year **11 10 88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name **Dale M. Penter** Signature **Dale M. Penter** Month Day Year **11 04 88**

Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



ER-SM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Generator (SUU) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA00001279060079A		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS, Philadelphia, PA.				A. State Hazardous Waste Number PA-5813568		B. State Gen. ID	
4. Generator's Phone 215 535-7222				5. US EPA ID Number 19137		C. State Trans. ID PA-AH 10107	
6. Transporter 1 Company Name Continental Vanguard				7. US EPA ID Number NJ00-67387514		D. Transporter's Phone 607-337-8930	
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 10.HD.0.4.52.4.3706		F. Transporter's Phone ()	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S ORM-E NA9189				No. Type		14. Unit Wt/Vol	
				001 DT 00-0-1.5 YK 0.0.17		15. LHM Waste No.	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U U 29.23 T U U				a. S 01 10 91			
b. U U 96760 P U U							
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN#18500X							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, I am a small quantity generator. I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 1/10/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name Dennis L. Anderson				Signature <i>Dennis L. Anderson</i>		Month Day Year 1/10/88	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name J. H. HARDINC				Signature <i>J. H. Hardinc</i>		Month Day Year 11/2/89	

SWM-51-REV. 6/87

Please print or type. (Form designed for use on odd (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. **PA D 000 42790600293**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**Philadelphia Coke Co.
Richmond & ORTHODOX STS. Philadelphia, PA.
19137**

A. State Manifest Document Number
PAB 5813544

4. Generator's Phone **1215 535-7222**

B. State Gen. ID

6. Transporter 1 Company Name
CONTINENTAL VANGUARD

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

D. Transporter's Phone
607 9370150

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO INC.
876 OTTER CREEK RD
OREGON, OHIO 43616**

E. State Trans. ID
PA-AH

F. Transporter's Phone
Not Required

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a.	HAZARDOUS WASTE SOLID LIQ S	0.01	DT 0.00.15 YK 0.8.4
b.	ORM-E NA 9189	30.75 T	
c.		61500 lb	
d.			

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

a.	Haz. Code	Physical State	c.	Haz. Code	Physical State
b.			d.		

K. Handling Codes for Wastes Listed Above
D81
SCF

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PLN # 1820AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR: if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/11/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Bruce L. Williams** Signature **Bruce L. Williams** Month Day Year **11/10/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name **Dale M Partner** Signature **Dale M Partner** Month Day Year **11/10/88**

Response Center (800) 424-8802 and the PA DER (717) 787-4343

ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on office (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAD00073770400292		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Lake Co. RICHMOND & CARTHOOY STS. Philadelphia, PA, 19137				A. State Manifest Document Number PAB 501351		B. State Gen. ID	
4. Generator's Phone 215 535-7222		6. US EPA ID Number INJ0067387514		C. State Trans. ID PA-AH 10/04		D. Transporter's Phone 607 930 1000	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number 10-HB045343706		G. State Facility's ID Not Required		H. Facility's Phone	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC, 876 OUTER CREEK RD OREGON, OHIO 43616				11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)			
				12. Containers		13. Total Quantity	
				No.		Unit	
				Type		Wt/Vol	
				E 5 111		Waste No.	
a. HAZARDOUS Waste Solid N.O.S. ORR-E NA 9189				0.01		0.015 Y K.0.8.7	
b.				28.63		T	
c.				57260		lb	
d.							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
Haz. Code		Physical State		Haz. Code		Physical State	
a. <input type="checkbox"/>		<input type="checkbox"/>		c. <input type="checkbox"/>		<input type="checkbox"/>	
b. <input type="checkbox"/>		<input type="checkbox"/>		d. <input type="checkbox"/>		<input type="checkbox"/>	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN# 1850 AX				D81			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.				S.C.F. white			
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/10/88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name CELANO CONTINENTAL		Signature <i>James Buckley</i>		Month Day Year 11/10/88	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Dale M Pentner		Signature <i>Dale M Pentner</i>		Month Day Year 11/02/88			

In case of an emergency or spill immediately call the national response center (RUC) 1-800-424-6802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-0030
Expires 9-30-88

EP-51-REV. 6/87

Please print or type. (Form designed for use on effie (12-pitch) typewriter.)

In case of an emergency or spill immediately call the Natl. Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-0004279-0600291		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address: Philadelphia Coke Co. RICHMOND & ORTHODOX STS Philadelphia, PA. 19137				A. State Manifest Document Number: PAD 5813533			
4. Generator's Phone: 215 535-7000		6. US EPA ID Number: N.J. 0067387514		C. State Trans. ID: PA-AH 101071		B. State Gen. ID:	
5. Transporter 1 Company Name: CONTINENTAL VANGUARD				7. Transporter 2 Company Name:		D. Transporter's Phone: 619 931-0951	
7. Transporter 2 Company Name:		8. US EPA ID Number:		E. State Trans. ID: PA-AH		F. Transporter's Phone:	
9. Designated Facility Name and Site Address: ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number: 10-HD-045243706		G. State Facility's ID: Not Required	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No.		Unit	
				Type				Wt/Vol
b.				c.		d.	
c.				d.		e.	
d.				e.		f.	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code		b. Physical State		c. Haz. Code		d. Physical State	
[] []		[] 31.13 T		[] []		[] []	
[] []		[] 62260 P.		[] []		[] []	
15. Special Handling Instructions and Additional Information: THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PPR 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name: Julie P Via				Signature: <i>Julie P Via</i>		Month Day Year: 11 10 1988	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature: <i>Rodger Barron</i>		Month Day Year: 11 10 1988	
Printed/Typed Name: Rodger Barron				Signature:		Month Day Year: 11 10 1988	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature:		Month Day Year: 11 10 1988	
Printed/Typed Name:				Signature:		Month Day Year:	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name: DET HARRISON				Signature: <i>Det Harrison</i>		Month Day Year: 11 12 1988	

ER-57M-81:REV. 8/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA-D-00042790600289**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**Philadelphia Coke Co., Philadelphia, PA.
RIMMOND & ORTHODOX STS**

4. Generator's Phone **(215) 535-7222**

5. Transporter 1 Company Name **CONTINENTAL VANGUARD**

6. US EPA ID Number **NJD067387514**

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
**ENVIRSAFE SERVICES OF OHIO INC.
876 OTTER CREEK RD
OREGON, OHIO 43616**

10. US EPA ID Number **OH 8045243906**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
**HAZARDOUS WASTE SOLID N.O.S.
OR M-E NA 9189**

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
001	070.00	1.5 Y	K087

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
 a. 28.48 T.
 b. 51260 P.

K. Handling Codes for Wastes Listed Above
 a. **Scp 1081**

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PEN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/10/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **DONALD D. HORNER** Signature **Donald D. Horner** Month Day Year **11/10/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
 Printed/Typed Name **JEFF HARDING** Signature **Jeff Harding** Month Day Year **11/2/88**

Response Center (800) 424-8802 and the PA DER (717) 787-4343

Bureau of Waste Management

P. O. Box 2033

Harrisburg, PA 17103

Form approved
OMB No. 2050-0036
Expires 9-30-88

PA-SWM-51:REV. 6/87

Please print or type. (Form designed for use on 6 1/2 (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. PA 000427906
Manifest No. 90600288

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Philadelphia Coke Co.
Richmond & ORTHODOX STS. Philadelphia, PA.

A. State Tracking System No. PA-AM 10107

4. Generator's Phone 215-335-7222 19137

B. State Gen. No.

6. Transporter 1 Company Name Continental Vanguard
US EPA ID Number NJ-067387514

C. State Trans. No. PA-AM 10107

7. Transporter 2 Company Name
US EPA ID Number

D. Transporter's Phone 601-29750

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO INC.
876 OTTER CREEK RD.
OREGON, OHIO 43616

E. State Trans. No. PA-AM 10107

10. US EPA ID Number OH 0045743706

F. Transporter's Phone
G. State Facility No.
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

11. US DOT Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	00107000	15Y	K-087		
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

a. Haz. Code Physical State Haz. Code Physical State
U U 25.98 T U U

Sep 1988

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name Julie P Via Signature Julie P Via Month Day Year 11/21/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name CHARLIE BAKER Signature Charlie Baker Month Day Year 11/21/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name JEFF HARDING Signature Jeff Harding Month Day Year 11/21/88

GENERATOR

TRANSPORTER

FACILITY

Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P-170000927906100287		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RAMOND F ORTHODOX STS. Philadelphia, PA, 19137				4. Generator's Phone (215) 535 7220			
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number INJ1067387514		C. State PA		D. Transporter's Phone 610 970 0130	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State PA		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10-H0045243706		G. State OH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				No. Type		Unit Wt/Vol	
				001 BT 0.0.0.15		Y K 0.89	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 25.97 T				b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> S 0 1 3 0 8 1			
b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 51940 P.				c. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JULIE P VIA				Signature <i>Julie P Via</i>		Month Day Year 11/10/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name EDWARD HALE		Signature <i>Edward Hale</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name JEFF HARDING				Signature <i>Jeff Harding</i>		Month Day Year	

Copy 5 - TSD Facility: Mail to Generator

Copy 8 - Generator: Retain This Copy

3100



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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GENERATOR OR FACILITY OR TRANSPORTER OR BOTH IMMEDIATELY CAN THE NATIONAL RESPONSE CENTER (800) 424-8802 AND THE PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA 00042790600286		Manifest Document No. 00286		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & Orthodox Sts						A. State Manifest Document Number PAB 5372942							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number IN F0067387514			C. State Trans. ID PA-AH 101.071							
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 609 931-0950							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd. OREGON, OHIO 43066						10. US EPA ID Number 10.HA.1.45243906							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit		15. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type		Quantity		Unit		Waste No.	
b. Soil Contaminated with Tar Discarded Sludge from Coking Operations						001 DT		0001.5 Y		K087			
c.								5.7980		16			
d.								2.8.79 T					
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. HT LS		c. UU UU		e. D81		b. scff, wet							
b. UU UU		d. UU UU		f.									
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33 (c) until August 8, 1990 P.N # 1850 AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 1/28/88					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Ralph R Anderson				Signature <i>Ralph R Anderson</i>				Month Day Year 1/28/88					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name Dale M Pertner				Signature <i>Dale M Pertner</i>				Month Day Year 1/23/88					



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

FACILITY

TRANSPORTER

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAAD000427706		Manifest Document No. 00285		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co., Philadelphia, PA, Richmond & ORTHOODX sts.						A. State Manifest Document Number PAB 5372931			
4. Generator's Phone 1215-535-7222						B. State Gen. ID 19137			
5. Transporter 1 Company Name CONTINENTAL VANGUARD						6. US EPA ID Number INJD067387514		C. State Trans. ID PA-AH 101-071	
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 609 931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616						10. US EPA ID Number 10-HD045243706		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE Solid N.O.S. ORM-E NA9189						12. Containers No. Type 001 D T 0001 S Y		13. Total Quantity K 0.87	
b. Soil Contaminated with Tar Decanter (Sludge from Coking Operations)								14. Unit 26.64 T	
c.								15. Waste No. 53280 P	
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State LH LS		c. Haz. Code Physical State LH LS		b. PSI		d. SCFF			
b. Haz. Code Physical State LH LS		d. Haz. Code Physical State LH LS		c. PSI		d. SCFF			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 11/28/88			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID HURSEY				Signature David Hursey		Month Day Year 11/28/88			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Dale M Pentner				Signature Dale M Pentner		Month Day Year 1/9/31/88			



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GENERATOR OR FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No PA D0004279060028A		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & OETHOODX STS.				A. State Manifest Document Number PAB 5372920		B. State Gen. ID	
4. Generator's Phone (215) 535-7222 19137				5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJ D067387514	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 101-071	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 10-AH-045243706		D. Transporter's Phone (609) 931-0150	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanted) (Sludge from Coking Operations)				0.01 07		000.15 Y K.08.7	
c. (Sludge from Coking Operations)				...		38.76 T	
d. (Sludge from Coking Operations)				...		5750 T	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8 1990. PEN # 1850 AX				K. Handling Codes for Wastes Listed Above		D80	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.				Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name RALPH REIKING		Signature <i>Ralph Reiking</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space				Printed/Typed Name Dale M Pertner		Signature <i>Dale M Pertner</i>	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Printed/Typed Name Dale M Pertner		Signature <i>Dale M Pertner</i>	



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA 00-0042790600283**
Manifest Document No. **19137**

2. Page 1 of 1 information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.**

A. State Manifest Document Number
PAB 5373012

4. Generator's Phone **(215) 535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

C. State Trans. ID
PA-AH 10-1-0-7

6. Transporter 1 US EPA ID Number
IN-FD 067387514

D. Transporter's Phone
(609) 931-0950

7. Transporter 2 Company Name

E. State Trans. ID
PA-AH

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO INC.
876 OTTER CREEK RD
OREGON, OHIO 43616**

F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone **(419) 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

a.	No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
HAZARDOUS WASTE SOLID N.O.S.					
ORM-E NA 9189					
(Soil Contaminated with Tar Deanter)					
(Sludge from Coking Operations)					

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **JAMES M. ENRICK**
Signature: *[Signature]*
Month Day Year: **11/1/88**

K. Handling Codes for Wastes Listed Above
a. **Scpt I DSI**

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCNT# 185DAX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations...
Printed/Typed Name: **Julie P Via**
Signature: *[Signature]*
Month Day Year: **11/28/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: **JAMES M. ENRICK**
Signature: *[Signature]*
Month Day Year: **11/9/88**

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: **JEFF HADDON**
Signature: *[Signature]*
Month Day Year: **11/1/90**

In case of an emergency or spill immediately call the N Response Center (800) 424-8802 and the PA DER (717) 787-4343



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GENERATOR TRANSPORTER FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906100282		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co., Richmond & ORTHODOX STS., Philadelphia, Pa.				A. State Manifest Document Number PAB 5373001		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJ0067387514		C. State Trans. ID PA-AH 10-1-071	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC., 876 OTTER CREEK RD., OREGON, OHIO 43060				10. US EPA ID Number 10-HD-045243706		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S., ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanted Sludge from Coking Operations)				001 DT		000-1.5 Y K 087	
c. (Soil Contaminated with Tar Decanted Sludge from Coking Operations)						4630.0 lb	
d. (Soil Contaminated with Tar Decanted Sludge from Coking Operations)						2315 T	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LH L		c. L L		a. DFI		c.	
b. L L		d. L L		b. SCF		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN# 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/28/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Alvin J Knopsnyder		Signature <i>Alvin J Knopsnyder</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Dale M Pertner				Signature <i>Dale M Pertner</i>		Month Day Year 10/31/88	



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Response Center (800) 424-8802 and the PA DER (717) 787-4343
in case of an emergency or spill immediately call the Na
GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A. 000042790600281		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.						A. State Manifest Document Number PAB 5372990		B. State Gen. ID	
4. Generator's Phone 215 535-7222						5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number PA-AH 101071	
7. Transporter 2 Company Name						8. US EPA ID Number		C. State Trans. ID PA-AH 101071	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616						10. US EPA ID Number 10-HD045243706		D. Transporter's Phone 609 931-9350	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type		14. Unit Wt/Vol	
b. Soil Contaminated with Tar Deaunter Sludge from Coking Operations						001 DT 000		1.5 Y	
c.								24.93 T	
d.								49867	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8 1990. PEN # 1850 AX						K. Handling Codes for Wastes Listed Above		781 SELF CONT	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name Julie P Via		Signature Julie P Via	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name GLENN D. KLINK		Signature Glenn D. Klink	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature	
19. Discrepancy Indication Space						Month Day Year 10/28/88			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Printed/Typed Name Dale M Pertner		Signature Dale M Pertner	
						Month Day Year 10/31/88			



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GENERATOR and the PA DER (1717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAD-000427-06100280		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHO DOX STS. Philadelphia, Pa.				A. State Manifest Document Number PAB 5815014		B. State Gen. ID	
4. Generator's Phone 215-535-7222 19137				6. US EPA ID Number NJD067387514		C. State Trans. ID PA-AH 101-071	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				8. US EPA ID Number		D. Transporter's Phone 609-931-0950	
7. Transporter 2 Company Name				10. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43066				10. US EPA ID Number OH0045243706		F. Transporter's Phone () ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
b. Soil Contaminated with Tar Decanted Sludge from Coking Operations				001 07000-15 Y		K.O.P.7	
c.				56.14 T			
d.				502807			
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LH LIS		c. UU UU		a. PP1		c.	
b. UU UU		d. UU UU		b. SCLE			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN#1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/08/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name DENNIS DEIST		Signature <i>Dennis Deist</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Dale M Tertner				Signature <i>Dale M Tertner</i>		Month Day Year 1/43/89	



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA D0004279066279**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA Coke Co.
RICHMOND & ORTHODOX STS. Philadelphia, PA.
19137**

A. State Manifest Document Number
PAB 5372986

4. Generator's Phone **2151 535-7222**

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D 067.387.514

B. State Gen. ID

C. State Trans. ID
PA-AH 101-071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
609 931-0950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO INC.
876 OTTER CREEK Rd
OREGON, OHIO 43616**

10. US EPA ID Number
10 HD045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID
Not Required

H. Facility's Phone
419 726-7521

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a.			
b.			
c.			
d.			

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189**

b. **(Soil Contaminated with Tar Decanter
Sludge from Coking Operations)**

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code Physical State

a. **III 2867 T**

b. **III 57340 P**

K. Handling Codes for Wastes Listed Above

a. **509**

15. Special Handling Instructions and Additional Information
**THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS
PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 1850AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/02/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Jeff Goddard** Signature **Jeff Goddard** Month Day Year **11/02/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name **Jeff HARDING** Signature **Jeff Harding** Month Day Year **11/02/88**



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-0035
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D0004-27906185278		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS.				A. State Manifest Document Number EAB 5815003		B. State Gen. ID	
4. Generator's Phone (215) 535-7000				6. US EPA ID Number WJ-D067-387514		C. State Trans. ID PA-AH 01071	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				7. Transporter 2 Company Name		D. Transporter's Phone 607-931-0950	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43066				10. US EPA ID Number OH-AH-045243706		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)				0.01 BT		00.015 Y K087	
c.				d.		e.	
d. 2908 T S9110P.				e.		f.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LH US		c. UU UU		e. Sep 10 91		b.	
b. UU UU		d. UU UU		f.		g.	
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33 (c) until August 8, 1990. PCN# 1850-AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Andrew B Long				Signature <i>Andrew B Long</i>		Month Day Year 10 29 88	
17. Transporter 1 Acknowledgement of Receipt of Materials				18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name Brian Baltzly				Signature <i>Brian Baltzly</i>		Month Day Year 10 29 88	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jeff Harding				Signature <i>Jeff Harding</i>		Month Day Year 10 29 88	

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA.D.0.0.04.2.79.0.6.00277**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Philadelphia Coke Co. Philadelphia, PA.
RICHMOND & ORTHODOX STS.

A. State Manifest Document Number
PAB 5814944

4. Generator's Phone **215-535-7222**
5. Transporter 1 Company Name **CONTINENTAL VANGUARD**

B. State Gen. ID
C. State Trans. ID **PA-AH 101.071**

6. US EPA ID Number **N.J.D.0.6.7.3.8.75.1.4**

D. Transporter's Phone **609-931-0950**

7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address:
ENVIROSAFE SERVICES OF OHIO INC.
876 OTTER CREEK RD.
OREGON, OHIO 43616

E. State Trans. ID **PA-AH**

F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone **419-726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
13. Total Quantity
14. Unit Wt/Vol
15. Waste No.

a. **HAZARDOUS WASTE SOLID N.D.S.**
ORM-E NA9189

No. Type
001 OT 0.0.0.15 Y K0.8.7

b. **Soil Contaminated with Tar Decanted**
Sludge from Cooling Operations

c. d.

d. **29.93 T**
5716 P.

e. f. g. h. i.

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
Haz. Code Physical State
a. **U1 U1**
b. **U1 U1**
c. **U1 U1**
d. **U1 U1**

K. Handling Codes for Wastes Listed Above
a. **S. O. P. D. B. I.**
b. c. d.

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN #18504X

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/02/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Douglas L Cochran** Signature **Douglas L Cochran** Month Day Year **11/02/88**

18. Transporter 2 - Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name **Jett HARDINC** Signature **Jett Hardinc** Month Day Year **11/02/88**

GENERATOR

TRANSPORTER

FACILITY

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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GENERATOR or ship immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.D.0.0042.790.6100.276		Manifest Document No. 100276		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.																							
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.				A. State Manifest Document Number PAB 5814955		B. State Gen. ID																							
4. Generator's Phone (215) 535-7022				5. Transporter 1 Company Name CONTINENTAL VANGUARD		C. State Trans. ID PA-AH 101071																							
6. US EPA ID Number N.J.D.0.67.38.75.14				7. Transporter 2 Company Name		D. Transporter's Phone 6091931-0950																							
8. US EPA ID Number				9. Designated Facility Name and Site Address ENVIKOSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		E. State Trans. ID PA-AH																							
10. US EPA ID Number OH.DD.4.524.3.7.0.6				F. Transporter's Phone ()		G. State Facility's ID Not Required																							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		H. Facility's Phone 419 706-7521																							
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>Type</th> <th>13. Total Quantity</th> <th>14. Unit Wt/Vol</th> <th>15. Waste No.</th> </tr> <tr> <td>a.</td> <td>HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189</td> <td>001 DT 00.0.15</td> <td>Y</td> <td>K.O.8.7</td> </tr> <tr> <td>b.</td> <td>(soil contaminated with Tar Decanter Sludge from Coking Operations)</td> <td>79.28</td> <td>T</td> <td></td> </tr> <tr> <td>c.</td> <td></td> <td>5.9560</td> <td>K</td> <td></td> </tr> </table>				No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	a.	HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189	001 DT 00.0.15	Y	K.O.8.7	b.	(soil contaminated with Tar Decanter Sludge from Coking Operations)	79.28	T		c.		5.9560	K		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
				No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.																					
				a.	HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189	001 DT 00.0.15	Y	K.O.8.7																					
				b.	(soil contaminated with Tar Decanter Sludge from Coking Operations)	79.28	T																						
c.		5.9560	K																										
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above																									
a. LT LS		c. LT LS		a. DFI		c.																							
b. LT LS		d. LT LS		b. SCF		c.																							
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN#1850AX																													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																													
17. Transporter 1 Acknowledgement of Receipt of Materials				18. Transporter 2 Acknowledgement of Receipt of Materials																									
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10 27 88																									
Printed/Typed Name GLENN WITHEM		Signature <i>Glenn Withem</i>		Month Day Year 10 27 88																									
Printed/Typed Name		Signature		Month Day Year																									
19. Discrepancy Indication Space																													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																													
Printed/Typed Name Dale M Pentner				Signature <i>Dale M Pentner</i>		Month Day Year 10 28 88																							



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-0-0-4-2-7-9-0-6-100-2-7-5		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND FORTHODOR STS.				A. State Manifest Document Number FAB 5814966		B. State Gen. ID	
4. Generator's Phone (215) 535-7222 19137				6. US EPA ID Number N.J. 0.067387514		C. State Trans. ID PA-AH 10-10-71	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				7. Transporter 2 Company Name		D. Transporter's Phone 609-931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGUN, OHIO 43066				10. US EPA ID Number 10-H-0-0-4-5-2-4-3-7-0-6		E. State Trans. ID PA-AH	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)				0.01 0.7		0.15 Y	
c. Sludge from Coking Operations				27.35		K.087	
d. 54700 P							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LTI L5				b. Sep 1031			
b. UU UU				d. UU UU			
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN # 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that minimizes...							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 10/27/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Charles Pokul</i>		Month Day Year 11/27/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name LETT HARDING				Signature <i>Letting Harding</i>		Month Day Year 10/23/88	



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GENERATOR and the PA DER (1717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.0.0.0.4.2.7.7.0.6.0.0.2.74		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.				A. State Manifest Document Number PAB 5814970	
4. Generator's Phone 215 535-7222				B. State Gen. ID 19137	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.0.0.6.7.38.75.14		C. State Trans. ID PA-AH 101.0.71	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609 931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number OH.0.0.45.243.7.06	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type Total Quantity Unit Wt/Vol Waste No. 0.01 D.T 0.0.0.15 Y K.08.7	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)					
c.					
d.					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. LTT US 2882 T				a. Scl I D31	
b. LLL LL 57140 P				b.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Jule P Via		Signature <i>Jule P Via</i>		Month Day Year 10 27 88	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name GLENN ST CLAIR		Signature <i>Glenn St Clair</i>		Month Day Year 10 27 88	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Jeff Harding		Signature <i>Jeff Harding</i>		Month Day Year 11 02 89	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-003
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-00042790-6100273		Manifest Document No. 273		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS.						A. State Manifest Document Number PAB 5814981									
4. Generator's Phone (215) 535-7222						B. State Gen. ID 19137									
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number N.J.0.0.67-38-75-14		C. State Trans. ID PA-AH P-1.0.71									
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 609-937-0950									
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43666						10. US EPA ID Number 10.H.D.04.52.43.7.0.6									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. HAZARDOUS WASTE SOLID N.O.S.						No.		Type							
b. ORM-E NA 9189						001		D.T.O.O.1.5		Y		K.O.8.7			
c. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)								2857							
d. 5.7000								16							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above									
a. Haz. Code		Physical State		c. Haz. Code		Physical State		a. DGL		c. SCUF		d.			
b. [] []		[] []		d. [] []		[] []									
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PPR 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN #1850AX															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name Julie P Via						Signature <i>Julie P Via</i>						Month Day Year 10/2/88			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name John Barabant						Signature <i>John Barabant</i>		Month Day Year 10/2/88	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name						Signature		Month Day Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name Dale M Perter						Signature <i>Dale M Perter</i>						Month Day Year 10/2/88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D00042790600272		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA 19137				A. State Manifest Document Number PAB 5814992		B. State Gen. ID	
4. Generator's Phone 215 535-7222		6. US EPA ID Number N.J. D067-3875-14		C. State Trans. ID PA-AH 01-071		D. Transporter's Phone 609 931-0952	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
7. Transporter 2 Company Name		10. US EPA ID Number 10 H.D.0.4.52437.0.6		G. State Facility's ID Not Required		H. Facility's Phone HM 726-1521	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD DREXON OHIO 43016				12. Containers		13. Total Quantity	
				No. Type		14. Unit Wt/Vol	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				15. Special Handling Instructions and Additional Information		16. GENERATOR'S CERTIFICATION:	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN # 1850AX		I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)				17. Transporter 1 Acknowledgement of Receipt of Materials		18. Transporter 2 Acknowledgement of Receipt of Materials	
c. Sludge from Coking Operations				Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>	
d. 58160 1/2				Month Day Year 11 02 78		Printed/Typed Name DAVID DANIELS	
				Signature <i>David Daniels</i>		Month Day Year 1 02 78	
				Printed/Typed Name		Signature	
				Month Day Year		Month Day Year	
19. Discrepancy Indication Space				20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.			
				Printed/Typed Name Dale M Pentner		Signature <i>Dale M Pentner</i>	
				Month Day Year 11 02 88			



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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 0000427906		Manifest Document No. 100271		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.									
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.						A. State Manifest Document Number PAB 5814922											
4. Generator's Phone 1215 535-7002						B. State Gen. ID 19137											
5. Transporter 1 Company Name CONTINENTAL VANGUARD						6. US EPA ID Number NJ 0067387514		C. State Trans. ID PA-AH 10-1-07									
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 609 931-0950									
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 896 OTTER CREEK RD. OREGON, OHIO 43616						10. US EPA ID Number 10 HD 045243706											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189						No. Type		0-01 DT 0-0-0-15		Y		K-0-8-7					
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)																	
c.																	
d.																	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above											
a. LT LT 206 T						b. Sep I DBI											
b. SS 200 P						d.											
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850Ax																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name Julie P Via						Signature <i>Julie P Via</i>				Month Day Year 10/27/88							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Donald W. Leman				Signature <i>Donald W. Leman</i>				Month Day Year 10/27/88			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																	
Printed/Typed Name JOHN HARRISON						Signature <i>John Harrison</i>				Month Day Year 11/09/88							



In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>PA 00-0042-790-6002-10</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address <i>Philadelphia Coke Co. Richmond & Orthodox Sts. Philadelphia PA.</i>				A. State Manifest Document Number <i>PAB 5814933</i>		B. State Gen. ID	
4. Generator's Phone <i>1 215 1 535-7222</i>				5. Transporter 1 Company Name <i>Continental Vanguard</i>		6. US EPA ID Number <i>NJ 00-6732-7514</i>	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID <i>PA-AH 10-1-0-7</i>	
9. Designated Facility Name and Site Address <i>ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616</i>				10. US EPA ID Number <i>10-A-D-0452-437-06</i>		D. Transporter's Phone <i>609-931-0950</i>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. <i>HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189</i>				No. Type		Unit Wt/Vol	
b. <i>(Soil Contaminated with Tar Decanter) (Sludge from Cooling Operations)</i>				0-0-1-D-T 0-0-0-1-5 Y		K-0-0-7	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. <i>LT 30.15 T</i>				b. <i>Sep 1 DB1</i>			
b. <i>60300 P.</i>				d.			
15. Special Handling Instructions and Additional Information <i>THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 18SDAX</i>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations... <i>Julie P Via</i> (Signature) <i>Julie P Via</i> (Signature) <i>11/27/88</i> (Month Day Year)							
17. Transporter 1 Acknowledgement of Receipt of Materials <i>Donald D Horner</i> (Signature) <i>Donald D Horner</i> (Signature) <i>10/27/88</i> (Month Day Year)							
18. Transporter 2 Acknowledgement of Receipt of Materials _____ (Signature) _____ (Month Day Year)							
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. <i>Jeff Harshbarger</i> (Signature) <i>Jeff Harshbarger</i> (Signature) <i>10/29/88</i> (Month Day Year)							



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>P.A.D. 000427706100269</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address <i>PHILADELPHIA COKE CO, Philadelphia, PA RICHMOND & ORTHODOX STS.</i>		A. State Manifest Document Number: <i>EAB 5814885</i>		B. State Gen. ID	
4. Generator's Phone <i>215 535-7222</i>		5. Transporter 1 Company Name <i>CONTINENTAL VANGUARD</i>		6. US EPA ID Number <i>N.J. D067387514</i>		C. State Trans. ID <i>PA-AH 10-1-071</i>	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone <i>609 931-0950</i>		E. State Trans. ID <i>PA-AH</i>	
9. Designated Facility Name and Site Address: <i>ENVIROSAFE SERVICES OF OHIO INC, 876 OTTER CREEK RD OREGON, OHIO 43616</i>		10. US EPA ID Number <i>10-H-0045243706</i>		F. Transporter's Phone ()		G. State Facility's ID <i>Not Required</i>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. <i>HAZARDOUS WASTE Solid N.O.S.</i>		No. Type		Quantity		Waste No.	
b. <i>ORM-E NA9189</i>		001 DT		0.0015		Y K0.87	
c. <i>Soil Contaminated with Tar Decanter Sludge from Coking Operations</i>							
d.				2995 T			
e.				59900 P			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. <i>L11 L15</i>		c. <input type="checkbox"/> <input type="checkbox"/>		b. <i>S, O, P, I, D, 91</i>		d.	
b. <input type="checkbox"/> <input type="checkbox"/>		d. <input type="checkbox"/> <input type="checkbox"/>					
15. Special Handling Instructions and Additional Information <i>THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8 1990. PCN # 1850AX</i>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <i>Julie P Via</i>		Signature <i>Julie P Via</i>		Month Day Year <i>10/27/88</i>			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <i>Donald J Devine</i>		Signature <i>Donald J Devine</i>		Month Day Year <i>11/02/89</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name <i>JCH HARDING</i>		Signature <i>JCH Harding</i>		Month Day Year <i>10/29/88</i>			



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EPA Form 8700-22 (Rev. 9-86)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P-AH-00-04-279-061002-68		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & Orthodox Sts.				A. State Manifest Document Number PAB 5814896		B. State Gen. ID			
4. Generator's Phone (215)				5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number W-J-D-0-6-7-38-7-5-1-4			
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 10-1-0-71			
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO Inc. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10-H-D-0-4-524-3-7-0-6		D. Transporter's Phone 609-931-0950			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				12. Containers		13. Total Quantity			
				No.		Type		14. Unit Wt/Vol	
				1		001 DT		0.0-0.15 Y	
				K-0.8-7					
b. <i>(Soil Contaminated with Tar Decanter)</i>									
c. <i>(Sludge from Coking Operations)</i>									
d.									
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above					
a. LT U9		c. U U		b. S D 1 D 8 1		d.			
b. U U		d. U U							
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33 (c) until August 8, 1990, PCN # 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10/27/88					
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name HARRY FIRESTONE		Signature <i>Harry Firestone</i>		Month Day Year 10/27/88					
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name		Signature		Month Day Year					
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name J. H. HARRIS		Signature <i>J. H. Harris</i>		Month Day Year					



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>PA-D-00-0-4-2770-6100267</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address <i>Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS.</i>				A. State Manifest Document Number <i>EAB 5814900</i>		B. State Gen. ID	
4. Generator's Phone <i>215 1535-7222</i>				5. Transporter 1 Company Name <i>CONTINENTAL VANGUARD</i>		6. US EPA ID Number <i>N.J.D.-0.6.7-38-7-5-14</i>	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID <i>PA-AH 10-1-07</i>	
9. Designated Facility Name and Site Address <i>ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616</i>				10. US EPA ID Number <i>10-HD-0.4.5-2-4-3-7-0-6</i>		D. Transporter's Phone <i>609 931-0950</i>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. <i>HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189</i>				No. Type		14. Unit Wt/Vol	
b. <i>(Soil Contaminated with Tar Decanter Sludge from Coking Operations)</i>				001 D T O D O 1 5 Y K O 8 7			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. <i>LIQ LIQ 29, 8 T</i>				b. <i>Sept 1981</i>			
b. <i>LIQ LIQ S 7100 P</i>				d. <i>LIQ LIQ</i>			
15. Special Handling Instructions and Additional Information <i>THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN #1850A X.</i>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <i>Julie P Via</i>		Signature <i>Julie P Via</i>		Month Day Year <i>10 27 88</i>			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <i>Edward Hale</i>		Signature <i>Edward Hale</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name <i>Jeff Harding</i>		Signature <i>Jeff Harding</i>		Month Day Year <i>10 23 88</i>			



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P. O. Box 2863
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-00-04-27906100266		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA.		4. Generator's Phone 215-535-7222		A. State Manifest Document Number PAB 5814911		B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D-0-6-7-38-7-5-1-Y		C. State Trans. ID PA-AH 0-1-0-7		D. Transporter's Phone 609-931-0950	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		10. US EPA ID Number 10-H.D-0-4-5-24-3-7-0-6		G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189		No. Type		0-0-1-0-T 0-0-0-1-5-Y		K-0-8-7	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above					
a. III III 58740 P		b. III III		c. III III		d. III III	
b. III III 29.37 T		c. III III		d. III III		e. III III	
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN #1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10-2-88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Charlie Baker		Signature <i>Charlie Baker</i>		Month Day Year 10-2-88	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name John H. ...		Signature <i>John H. ...</i>		Month Day Year			

In case of an emergency or spill immediately call the national response center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA-D-0-0-0-4279-06100265**
Manifest Document No.

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**Philadelphia Coke Co.
RICHMOND & ORTHODOX STS. Philadelphia, Pa.**

A. State Manifest Document Number: **PAB 5814874**

4. Generator's Phone **(215) 535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
Continental Vanguard

6. US EPA ID Number
NJ-D-06-7387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **609 931 0950**

9. Designated Facility Name and Site Address
**ENVROSAFE SERVICES OF OHIO INC
876 OTTER CREEK RD.
OREGON, OHIO 43616**

10. US EPA ID Number
10.H.D.045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID **Not Required**

H. Facility's Phone **419 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		
a.			
b.			
c.			
d.			

a. **HAZARDOUS WASTE SOLID N.O.S.**

b. **ORM-E NA 9189**

(Soil Contaminated with Tar Decanter Sludge from Coking Operations)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
a. LT	US	33	3
b. UU	UU	UU	UU

K. Handling Codes for Wastes Listed Above

a. **S**

15. Special Handling Instructions and Additional Information
This waste is exempt from land disposal restrictions per 40 CFR 268.33 (c) until August 8, 1990. Pen # 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Julie P Via
Signature
Month Day Year
11/27/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year
11/27/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name
Signature
Month Day Year
10/29/88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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GENERATOR TRANSPORTER FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>P.A.D.O.O.42.7.9.06100264</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address <i>Philadelphia Coke Co. Philadelphia, PA.</i>				A. State Manifest Document Number <i>PA-B 5814841</i>		B. State Gen. ID	
4. Generator's Phone <i>215-535-7222</i>				6. US EPA ID Number <i>N.J.D.0.6.7.38.7.5.14</i>		C. State Trans. ID <i>PA-AH 10-1-071</i>	
5. Transporter 1 Company Name <i>Continental Vanguard</i>				7. Transporter 2 Company Name		D. Transporter's Phone <i>609-931-0950</i>	
9. Designated Facility Name and Site Address <i>ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616</i>				10. US EPA ID Number <i>10.H.O.O.4.52.4.3.7.0.6</i>		E. State Trans. ID <i>PA-AH</i>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <i>HAZARDOUS WASTE SOLID N.O.S., ORM-E NA 9189</i>				12. Containers No. Type <i>0-0-1-D-T 0-0-0-1-5 Y K-08-7</i>		13. Total Quantity	
b. <i>(Soil Contaminated with Tar Decanter Sludge from Coking Operations)</i>						14. Unit Wt/Vol	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. <i>LIT LIS 30.17 T</i>				c. <i>S. of ID 81</i>			
b. <i>LLL LLL 60340P</i>				d.			
15. Special Handling Instructions and Additional Information <i>THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(C) UNTIL AUGUST 8, 1990. PCN #1850AX</i>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <i>Julie P Via</i>				Signature <i>Julie P Via</i>		Month Day Year <i>11/02/88</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>Rodger Barron</i>				Signature <i>Rodger Barron</i>		Month Day Year <i>11/02/88</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name <i>Jeff Harding</i>				Signature <i>Jeff Harding</i>		Month Day Year <i>11/02/88</i>	



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In case of an emergency or spill immediately call the National Response Center (800) 424-6802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA D 000 4279 0610 0263		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.				
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA				A. State Manifest Document Number PAB 5814852		B. State Gen. ID				
4. Generator's Phone (215) 535-7222				5. US EPA ID Number 19137		C. State Trans. ID PA-AH 10-1-07				
5. Transporter 1 Company Name Continental Vanguard				6. US EPA ID Number WJ 0067387514		D. Transporter's Phone 609 931-0950				
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Trans. ID PA-AH				
9. Designated Facility Name and Site Address ENVIRSAFE SERVICE'S OF OHIO INC. B76 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 10-HO-045243906		F. Transporter's Phone ()				
				G. State Facility's ID Not Required		H. Facility's Phone (419) 726-1721				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers				
HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 (Soil Contaminated with Tar Decanter Sludge from Coking Operations)						No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above				
a. US 329 T				c. U U		b. Sep 10 91				
b. U U 65000 P				d. U U		d.				
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN # 185U AX										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11 07 88				
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name George Safflett		Signature <i>George Safflett</i>				
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature				
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name John Harding				Signature <i>John Harding</i>		Month Day Year 10 09 83				



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in case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 00 004 2 7 9 0 6		Manifest Document No. 00 262		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, Pa.				A. State Manifest Document Number EAB 5814863		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJ 00 6 7 3 8 7 5 1 4		C. State Trans. ID PA-AH 10107		D. Transporter's Phone (609) 931-0950	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone		G. State Facility's ID Not Required	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		10. US EPA ID Number 10 40 0 4 5 2 4 3 9 0 6		H. Facility's Phone 419 726-7521		I. Waste No.			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				No. Type		0.01 D.T.O. 0.015		Y. K. 0.8.7	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)									
c.									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above					
a. LH US		c. U U 30 21 T		b. Self					
b. U U		d. U U 60420 P		d.					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 11 02 78	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Mitt Taylor				Signature <i>Mitt Taylor</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature	
19. Discrepancy Indication Space				20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name JERRY PULL				Signature <i>Jerry Pull</i>				Month Day Year 10 08 88	



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D. 00.0.427906100261		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. PHILADELPHIA, PA.		A. State Manifest Document Number FAB 5814826		B. State Gen. ID	
4. Generator's Phone 215 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D. 067387514		C. State Trans. ID PA-AH 101071	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609 931-0950		E. State Trans. ID	
9. Designated Facility Name and Site Address: ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD ORVBUN, OHIO 43616		10. US EPA ID Number 10.H.D.045243706		F. Transporter's Phone ()		G. State Facility's ID Not Required	
				H. Facility's Phone 419 726-1521			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S.				No. Type		14. Unit Wt/Vol	
b. ORM-E NA9189				0-01 DT 0-0-0-15 Y		K-087	
c. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LH U929.19 T				b. Self IDBI			
b. U S9380P				d.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PEN # 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that can afford							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10 27 88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name BARRY BARREN		Signature <i>Barry Barren</i>		Month Day Year 10 27 88	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name		Signature <i>H. Haran</i>		Month Day Year 10 29 88			



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.0.0.0.4.27.9.0.6100.260		2. Page 1 of 1 information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & ORTHODOX sts. Philadelphia, PA. 19137		4. Generator's Phone (215) 535-7222		A. State Manifest Document Number PAB 5814771	
5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number N.J.D.0.6.7.3.8.7.5.1.4		C. State Trans. ID PA-AH 10.1.0.71	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609.934.0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		10. US EPA ID Number 10.H.0.4.5.2.4.3.7.0.6		E. State Trans. ID PA-AH	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189		No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)		00 1 DT		0.0 0.15 Y	
c.					
d.					
31.55 T		6300 P.			
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)		K. Handling Codes for Wastes Listed Above			
a. LTU LLS		c. UU UU		b. S.0 P.1 D.81	
b. UU UU		d. UU UU		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN #1850AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10/26/88	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Dave Bell</i>		Month Day Year 10/26/88	
Printed/Typed Name Dave Bell		Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name JEFF HARDING		Signature <i>Jeff Harding</i>		Month Day Year 11/02/89	



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In case of an emergency or spill immediately call the N. J. Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-0-0-04-2790-610-0259		Manifest Document No. 0259		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co, Philadelphia, PA RICHMOND & ORTHODOX STS.				A. State Manifest Document Number PAB 5814760		B. State Gen. ID SAME			
4. Generator's Phone (215) 535-7222				5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number W.J.D.0-6-7-3-8-7-5-1-4		C. State Trans. ID PA-AH 10107	
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 807 931-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC, 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10-H-00-4-5-2-4-3-7-0-6		F. Transporter's Phone		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
				0.0107		0.0015		Y K 0.87	
b. (Soil Contaminated with Tar Decanter)									
c. (Sludge from Coking Operations)									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above					
a. LT L3132T				b. S				c. 2	
b. LL 6214OP				d. LL					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Robert Anderson				Signature J. KURT ANGERMEIER				Month Day Year 11 02 88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name David A Smith				Signature DAVID A SMITH	
								Month Day Year 10 20 88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature	
								Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name L. H. HADDOCK				Signature L. H. HADDOCK				Month Day Year 11 03 88	



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>P.A.D.0.0.4.27906</i>		Manifest Document No. <i>PO258</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.									
3. Generator's Name and Mailing Address <i>Philadelphia Coke Co. RICHMOND & ORTHODOX STS Philadelphia, PA. 19137</i>						A. State Manifest Document Number <i>PAB 5814830</i>											
4. Generator's Phone <i>(215) 535-7222</i>						B. State Gen. ID <i>SAME</i>											
5. Transporter 1 Company Name <i>CONTINENTAL VANGUARD</i>				6. US EPA ID Number <i>W.J.D.067-38-75-1-4</i>		C. State Trans. ID <i>PA-AH 101071</i>											
7. Transporter 2 Company Name						8. US EPA ID Number											
9. Designated Facility Name and Site Address <i>ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616</i>						10. US EPA ID Number <i>10.H.D.0.4.5.24.3706</i>											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wu/Vol		15. Waste No.					
a. <i>HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189</i>						No. Type		Quantity		Unit		Waste No.					
b. <i>Soil Contaminated with Tar Decanter Sludge from Coking Operations</i>						<i>0010.T0.D.0.0.15 Y</i>		<i>K-08-7</i>									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above											
a. <i>LT L 637100 P</i>						a. <i>Sept 10 81</i>											
b. <i>LT L 3188 T</i>						b.											
15. Special Handling Instructions and Additional Information <i>This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN # 1850AX</i>																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name <i>J. K. ANSERMEIER</i>						Signature <i>[Signature]</i>				Month Day Year <i>11 08 88</i>							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name <i>Dave Wilkins</i>				Signature <i>[Signature]</i>				Month Day Year <i>10 26 88</i>			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																	
Printed/Typed Name <i>J. H. HARDING</i>						Signature <i>[Signature]</i>				Month Day Year <i>10 27 88</i>							



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In case of an emergency or spill immediately call the National Response Center (800) 424-9802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No: P.A.D.000427906100257		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS.		A. State Manifest Document Number FAB 5814782		B. State Gen. ID	
4. Generator's Phone 215 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		C. State Trans. ID PA-AH 10-1-071	
6. US EPA ID Number PA 50067387514		7. Transporter 2 Company Name		D. Transporter's Phone 609 931-0950	
8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616		E. State Trans. ID PA-AH	
10. US EPA ID Number 10.H.D.045243706		F. Transporter's Phone ()		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		14. Unit Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S.		No. Type		13. Total Quantity	
b. ORM-E NA 9189		001 AT		000.15 Y	
c. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)					
d.					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above			
a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 2734 T		c. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		a. S.C.I.D.B.	
b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> S4L20 P.A.		d. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		b.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN# 1850 AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name J. Wet ANGERMEIER		Signature <i>[Signature]</i>		Month Day Year 11.92.88	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Dennis L. Anderson		Signature <i>[Signature]</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Lett HARDING		Signature <i>[Signature]</i>		Month Day Year 10.12.88	



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If you are in an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA D 0 0 0 4 2 7 9 0 6 0 0 2 5 6		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS.				A. State Manifest Document Number PAB 5814793		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				19137			
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number MS D 0 6 7 3 8 7 5 1 4		C. State Trans. ID PA-AH 101-071			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 10 HD 0 4 5 2 4 3 7 0 6		F. Transporter's Phone ()	
				G. State Facility's ID Not Required		H. Facility's Phone (919) 726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S.				No. Type		14. Unit Wt/Vol	
b. ORM-E NA 9189				001 0.T 0.0.0.15		Y K0.8.7	
c. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)							
d. 29.67 T 59340 P.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U1 U5		c. U1 U1		b. S001 I D B1		d.	
b. U1 U1		d. U1 U1					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PEN # 1850AK							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JULIE P VIA				Signature <i>Julie P Via</i>		Month Day Year 11/26/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Rusty Koste</i>		Month Day Year	
Printed/Typed Name RUSTY KOSTE				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JEFF HARDING				Signature <i>Jeff Harding</i>		Month Day Year 10/27/89	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.00.042.7.9.06	Manifest Document No. 100255	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.				A. State Manifest Document Number EAB 5814804	
4. Generator's Phone 1215.535.7222				B. State Gen. ID 19137	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number W.J.D.06.7.38.7.5.14		C. State Trans. ID PA-AH 10107	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609.931.0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				E. State Trans. ID PA-AH	
10. US EPA ID Number 10.H.D.045.243.70.6				F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				G. State Facility's ID Not Required	
12. Containers				H. Facility's Phone 419.726-1524	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				13. Total Quantity 001.0T	14. Unit Wu/Vol YK0.87
b. Soil contaminated with Tar Decanter Sludge from Coking Operations					
c.					
d.					
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. Haz. Code Physical State LH US		c. Haz. Code Physical State LH LH		a. DRI	
b. Haz. Code Physical State LH LH		d. Haz. Code Physical State LH LH		b. SCF walk	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 185DAX 45860 22 937					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature Julie P Via		Month Day Year 11/26/88	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Keith Cochran		Signature Keith Cochran		Month Day Year 10/26/88	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name Dale M Perter		Signature Dale M Perter		Month Day Year 11/27/88	



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-0-0-0-42-7-9-06		Manifest Document No. 100254		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS. 19137						A. State Manifest Document Number PAB 5814815		B. State Gen. ID	
4. Generator's Phone (215) 535-7224						6. US EPA ID Number N.J.D-0-6-7-78-75-14		C. State Trans. ID PA-AH 01-07	
5. Transporter 1 Company Name CONTINENTAL VANGUARD						7. Transporter 2 Company Name		D. Transporter's Phone 608 937-0952	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON OHIO 43616						10. US EPA ID Number 10H-D-0-4-5-2-4-3-706		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.D.S. ↑ ORME NA9189						No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter)						c. 001 DT 000-15 Y K-0-8-7		15. Waste No.	
c. (Sludge from Coking Operations)						d.		16. Handling Codes for Wastes Listed Above	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above		17. Special Handling Instructions and Additional Information	
a. LIT US 27.4lb r						b. Scp, J, D, S, 1		THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850 AX	
b. 54920 P						c.		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.	
Printed/Typed Name Julie P Via						Signature <i>Julie P Via</i>		Month Day Year 10/26/88	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <i>Glenn D. Klink</i>		Month Day Year 11/02/88	
Printed/Typed Name GLENN D. KLINK						Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature		Month Day Year	
Printed/Typed Name						Signature		Month Day Year	
19. Discrepancy Indication Space						Signature <i>Jeff HARDING</i>		Month Day Year 10/30/88	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Signature		Month Day Year	
Printed/Typed Name JEFF HARDING						Signature		Month Day Year 10/30/88	



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-000427-90600253		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia PA. RICHMOND & ORTHODOX STS.				A. State Manifest Document Number PAB 5814572			
4. Generator's Phone (215) 535-7222				B. State Gen. ID SAME			
5. Transporter 1 Company Name John Pfrommer		6. US EPA ID Number PA-D-008781-072		C. State Trans. ID PA-AH 100421			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (215) 385-305			
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				9. US EPA ID Number 10 HD 04 524 3706		E. State Trans. ID PA-AH	
				F. Transporter's Phone		G. State Facility's ID Not Required	
				H. Facility's Phone (419) 726-1521			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE Solid N.A.S., ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter) (Sludge from Cooling Operations)				0-01 D-T		0-00-15 Y K-08-7	
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LTG UG 50320		b. U U 2916		c. U U		d. U U	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850AX				e. S-01 T 081			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/26/88			
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Ralph R Anderson		Signature <i>Ralph R Anderson</i>		Month Day Year 11/26/88			
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name J-H HARDING		Signature <i>J-H Harding</i>		Month Day Year 11/27/88			



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P. O. Box 2063
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-00042790600252		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS.						A. State Manifest Document Number PAB 5814616							
4. Generator's Phone (215) 535-7222						B. State Gen. ID SAME							
5. Transporter 1 Company Name John P. Frommer						C. State Trans. ID PA-AH 10-04-21							
6. Transporter 2 Company Name						D. Transporter's Phone (215) 385-3051							
7. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616						E. State Trans. ID PA-AH							
8. US EPA ID Number PA-D-008781072						F. Transporter's Phone ()							
9. US EPA ID Number						G. State Facility's ID Not Required							
10. US EPA ID Number 1040-04-524-3706						H. Facility's Phone (419) 726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS waste solid N.O.S.						No. Type							
b. ORM-E NA 9189						0-01 DT		000-15 Y		K-0-8-7			
c. Soil Contaminated with Tar Decanter Sludge from Coking Operations													
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. LT LS 53520P						. Sept 1981							
b. LT LS 2676T													
15. Special Handling Instructions and Additional Information													
This waste is Exempt from Land Disposal Restrictions per 40 CFR 268.33(c) until August 8, 1990. Pen #1850 AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via						Signature Julie P Via		Month Day Year 10/26/88					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name David Hursey						Signature David Hursey		Month Day Year 10/26/88					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature		Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name J. H. HARDING						Signature J. H. Harding		Month Day Year 11/20/88					

GENERATOR

PAB 5814616



ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-000427906		Manifest Document No. 00251		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS.						A. State Manifest Document Number FAB 5814642		B. State Gen. ID	
4. Generator's Phone 215 535-7222 19137						5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJ-D-067387514	
7. Transporter 2 Company Name						8. US EPA ID Number		C. State Trans. ID PA-AH 10-1-07	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616						10. US EPA ID Number OH-D-045243706		D. Transporter's Phone 609 931-0950	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)						001 D T		00.015 Y K.087	
c.									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. LIT LIS		c. [] []		b. SCD 1.081		d.			
b. [] []		d. [] []							
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 1850 AX 61920 P 30.91 T									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>[Signature]</i>			Month Day Year 10 25 88		
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name BARRY BARRON				Signature <i>[Signature]</i>			Month Day Year 1 9 89		
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature			Month Day Year		
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name Jeff Hardin				Signature <i>[Signature]</i>			Month Day Year 10 26 88		

GENERATOR

TRANSPORTER

FACILITY

PAR 5814642



Bureau of Waste Management
P. O. Box 2063
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-000-42-7-70-6100-250		Manifest Document No. 100250		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, Pa.				A. State Manifest Document Number PAB 5814653		B. State Gen. ID			
4. Generator's Phone 1215 535-7222 19137				6. US EPA ID Number NJ-D-006-7-38-75-14		C. State Trans. ID PA-AH 101071			
5. Transporter 1 Company Name CONTINENTAL VANGUARD				8. US EPA ID Number		D. Transporter's Phone 609 931-0950			
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 104-D-045243706		E. State Trans. ID PA-AH			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189				No. Type		Quantity		Waste No.	
b. (Soil Contaminated with Tar Decanted Sludge from Cooling Operations)				001 DT		0.0015 Y		K087	
c.									
d.									
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above					
a. Haz. Code Physical State LHT LIS		c. Haz. Code Physical State LH LH		e. Handling Codes SOP 1 D 81		b. d.			
b. Haz. Code Physical State LH LH		d. Haz. Code Physical State LH LH							
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990 PCN# 1850AX 58960P. 2949T.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>J. Kurt Angermeier</i>				Month Day Year 11 02 588	
17. Transporter 1: Acknowledgement of Receipt of Materials									
Printed/Typed Name Milt Taylor				Signature <i>Milt Taylor</i>				Month Day Year 10 11 88	
18. Transporter 2: Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Jett HARDING				Signature <i>Jett Harding</i>				Month Day Year 10 11 88	

GENERATOR

PAB 5814653



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.D00042790610299		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX sts. Philadelphia, PA. 19137				A. State Manifest Document Number PAB 5814712		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				6. US EPA ID Number NJ.D.0.67387514		C. State Trans. ID PA-AH 101-071	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				7. Transporter 2 Company Name		D. Transporter's Phone 609-931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON OHIO 43616				10. US EPA ID Number 10.HD.0.45243706		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
b. Soil Contaminated with Tar Decanter (Sludge from Cooling Operations)				0.01 0T000.154		K.087	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LIT LIG		c. [] [] 2823T		b. Self-Prop		d.	
b. [] []		d. [] [] 56460P					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. RCN#185DAX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 10/24/88	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name GLENN D. KLINK				Signature Glenn D. Klink		Month Day Year 10/24/88	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jerry Pickle				Signature Jerry Pickle		Month Day Year 1/10/88	

GENERATOR

TRANSPORTER

FACILITY

MAR 5814712



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0039
Expires 9-30-88

ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 000 042 7790 600 248		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA, RICHMOND & ORTHODOX sts.				A. State Manifest Document Number PAB 5814734		B. State Gen. ID	
4. Generator's Phone 1215 535-7222 19137				C. State Trans. ID PA-AH 10-1-0-71		D. Transporter's Phone 609 931-0950	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.A.0.6.7.38.75.14		E. State Trans. ID PA-AH		F. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 419 726-1521	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd. OREGON, OHIO 43066				10. US EPA ID Number 10 H.A.0.4.5.2.4.3.7.0.6			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type		Quantity	
b. Soil Contaminated with Tar Decanter Sludge from Cooling Operations				0010 T 0001 5 Y K 087			
c.							
d.							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State U1 U9		c. Haz. Code Physical State U1 U1 287T		b. Handling Code S R D 81		d.	
b. Haz. Code Physical State		d. Haz. Code Physical State U1 U1 57740 P					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990, PCN# 18504X							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 10 24 88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Loren D Campbell		Signature Loren D Campbell	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.							
Printed/Typed Name JERRY Pizls				Signature Jerry Pizls		Month Day Year 10 24 88	

GENERATOR

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FACILITY

PAB 5814734



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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GENERATOR
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.00042790600247		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address Philadelphia Coke Co Richmond & Orthodox Sts. Philadelphia, PA.		A. State Manifest Document Number PAB 5814745		B. State Gen. ID SAME	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number N.J.D.067387514		C. State Trans. ID PA-AH 10107	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609-931-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		10. US EPA ID Number 10-HA045243706		F. Transporter's Phone ()		G. State Facility's ID Not Required	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. HAZARDOUS WASTE SOLID N.O.S.		No. Type		15. Y		16. Waste No.	
b. ORM-E NA 9189		0.01 0T		0.01 5Y		K.0.87	
c. (Soil Contaminated with Tar Decanted Sludge from Cooling Operations)							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)		K. Handling Codes for Wastes Listed Above					
a. U1 U2		c. U1 U2		30.81T		S1G-D1	
b. U1 U2		d. U1 U2		61670P		b. d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN #185DAX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name S. KET ANGERMEIER				Signature <i>[Signature]</i>		Month Day Year 11 02 88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Jeffrey W Montgomery		Signature <i>[Signature]</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest (except as noted in item 19).							
Printed/Typed Name JERRY PICKLE				Signature <i>[Signature]</i>		Month Day Year 11 02 88	

PAB 5814745



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>PA-D0004279-06100246</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address <i>PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. Philadelphia, PA 19137</i>				A. State Manifest Document Number <i>PAB 5814756</i>		B. State Gen. ID	
4. Generator's Phone <i>(215) 535-7222</i>		5. Transporter 1 Company Name <i>CONTINENTAL VANGUARD</i>		6. US EPA ID Number <i>N.J.00-67387514</i>		C. State Trans. ID <i>PA-AH 10-10-71</i>	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone <i>609 931-0950</i>		E. State Trans. ID <i>PA-AH</i>	
9. Designated Facility Name and Site Address <i>ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616</i>				10. US EPA ID Number <i>10 HD-045243706</i>		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. <i>HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189</i>				No. Type		14. Unit Wt/Vol	
b. <i>Soil Contaminated with Tar Deaater Sludge from Coling Operations</i>				00-10-T		0-0-0-15 Y K-0-87	
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code). Hazard Code Physical State				K. Handling Codes for Wastes Listed Above			
a. <i>U1 U9</i>		c. <i>U1 U1 27.56T</i>		a. <i>Self</i>		d.	
b. <i>U1 U1</i>		d. <i>U1 U1 55100P</i>		b.			
15. Special Handling Instructions and Additional Information <i>THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN #1850AX</i>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. DR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <i>Julie P. Via</i>				Signature <i>Julie P. Via</i>		Month Day Year <i>10 24 88</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>Harry Firestone</i>				Signature <i>Harry Firestone</i>		Month Day Year <i>10 24 88</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name <i>JERRY PILLER</i>				Signature <i>Jerry Piller</i>		Month Day Year <i>10 24 88</i>	

GENERATOR

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PAB 5814756



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P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-000-4279-06100245		Manifest Document No. 00245		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND E ORTHODOX STS. Philadelphia, PA.						A. State Manifest Document Number EAB 5814664							
4. Generator's Phone (215) 535-7222 19137						B. State Gen. ID							
5. Transporter 1 Company Name CONTINENTAL VANGUARD						6. US EPA ID Number NJ-D-06-7387514		C. State Trans. ID PA-AH 101-071					
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 609-931-0950					
9. Designated Facility Name and Site Address ENVIRSAFE SERVICES OF OHIO INC, 876 OTTER CREEK RD. OREGON, OHIO 43616						10. US EPA ID Number OH-D-045243906		E. State Trans. ID PA-AH					
						F. Transporter's Phone ()		G. State Facility's ID Not Required					
						H. Facility's Phone 419-726-7521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S. FORM-E NA 9189						0.01 AT		0.00.15		Y		K-0.87	
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)													
c.													
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State		b. Haz. Code Physical State		c. Haz. Code Physical State		d. Haz. Code Physical State		e. Handling Code		f. Handling Code		g. Handling Code	
LIII ULS		LIII ULS		LIII ULS 22.67T		LIII ULS 45340P		S-DSI		S-DSI		S-DSI	
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions PRR 40 CFR 268.33(c) UNTIL August 8, 1990. PCN# 1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Andrew B Long				Signature Andrew B Long				Month Day Year 10 24 88					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name Keith S. ...				Signature Keith S. ...				Month Day Year 10 24 88					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name Jerry Pickle				Signature Jerry Pickle				Month Day Year 10 24 88					

GENERATOR

TRANSPORTER

FACILITY

PAR 5814664



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D00042790600244		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. 19139				A. State Manifest Document Number PAB 5814675			
4. Generator's Phone (215) 535-7222				B. State Gen. ID			
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJ.D.0.6.7.38.7.5.1.4		C. State Trans. ID PA-AH 101071		D. Transporter's Phone 609.931-0950	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10.H.0.0.4.5.2.4.3.7.0.6		G. State Facility's ID Not Required	
				H. Facility's Phone 419.726-1521			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S.				No.		Unit	
b. ORM-F NA 9189				Type		Wt/Vol	
c. (Soil Contaminated with Tar Deactivate Sludge from Cooling Operations)				No.		Waste No.	
d.				Type		Waste No.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LTI LIS		c. UU UU		b. SOP2031		d.	
b. UU UU		d. UU UU					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN# 1850AX 26.72T 53440 P.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 1102488	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>John Barnhart</i>		Month Day Year 102488	
Printed/Typed Name JOHN BARNHART				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name John Harmon				Signature <i>John Harmon</i>		Month Day Year 1101190	

GENERATOR

TRANSPORTER

FACILITY

PAB 5814675



ER-SWM-51:REV. 6/87

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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA00-004279-0600241		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & Orthodox Sts. Philadelphia, PA.				A. State Manifest Document Number FAB 5814701		B. State Gen. ID	
4. Generator's Phone (215) 535-7222 19137				C. State Trans. ID PA-AH 101-071		D. Transporter's Phone (609) 931-0952	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number NJ.D.067-387-514		E. State Trans. ID PA-AH	
7. Transporter 2 Company Name				8. US EPA ID Number		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10.H.00.45.24.3706		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter Sludge from Coaling Operations)				0.01 0.T.0.00.154		K0B7	
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		c. Haz. Code Physical State		b.		d.	
L11 L15		L11 L11		K0B7			
L11 L11		L11 L11		33333			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 11/24/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Jerry King		Month Day Year 11/24/88	
Printed/Typed Name Jerry King				Signature Jerry King		Month Day Year 11/24/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature Jerry King		Month Day Year 11/24/88	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jerr Pickle				Signature Jerr Pickle		Month Day Year 11/25/88	



ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-0004279-06		Manifest Document No. 00240		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. Richmond & Orthodox Sts.						A. State Manifest Document Number EAB 5814723		8. State Gen. ID					
4. Generator's Phone (215) 535-7000						19137							
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number N.J.D.0.6.738.7.5.1.4		C. State Trans. ID PA-AH 10-10-71							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone (609) 931-0950		E. State Trans. ID PA-AH					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OUTER CREEK Rd OREGON OHIO 43616						10. US EPA ID Number 10.H.D.0.4.5.2.4.3.7.0.6		F. Transporter's Phone					
						G. State Facility's ID Not Required		H. Facility's Phone 419-726-1521					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. FORM-E NA 9189						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
								0.010		T.D.0.0.15 Y		K.0.8.7	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)													
c.													
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code U11		Physical State US		c. Haz. Code U11		Physical State US		3021T		e. Self-Dis		d.	
b. U11		US		d. U11		US		60420P					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 1850A													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 11/04/88					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name WAYNE E Gohn				Signature <i>Wayne E Gohn</i>				Month Day Year 11-01-88					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name Jerry Pickle				Signature <i>Jerry Pickle</i>				Month Day Year 10-10-88					



ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the N. J. Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No PA00000427906100239		Manifest Document No 100239		2. Page 1 of 1 information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co, Philadelphia, PA, Orthodoxy Sts.				A. State Manifest Document Number EAB 5812004		B. State Gen. ID	
4. Generator's Phone 215 535-7222		6. US EPA ID Number PA00000427906100239		C. State Trans. ID PA-AH 10107		D. Transporter's Phone 609 931-0972	
5. Transporter 1 Company Name Continental Warehouse		7. Transporter 2 Company Name		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
9. Designated Facility Name and Site Address Enviroserve Services of Ohio Inc, 8760 Other Creek Rd, Oregon Ohio 43616		10. US EPA ID Number PA00045243706		G. State Facility's ID Not Required		H. Facility's Phone 919 726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. Hazardous waste solid N.O.S. ORM-E NA91P9				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)				001 DT00		0.157 KOP.7	
c.				..		..
d.				..		..
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LT LS		c. LT LS		b. Self Dis		d.	
b. LT LS		d. LT LS		b. 56240P		d.	
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restriction per 40 CFR 268.33 (c) until August 8, 1990. Per #1P50AY							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 10/21/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Rusty Koske</i>		Month Day Year 10/21/88	
Printed/Typed Name Rusty Koske				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Jerry Pickle				Signature <i>Jerry Pickle</i>		Month Day Year 10/24/88	



ER-SWM-51 REV. 6/87

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GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906100238		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & Orthodox Sts Philadelphia PA.				A. State Manifest Document Number FAB 5811864		B. State Gen. ID	
4. Generator's Phone 215, 535-7222 19137				5. Transporter 1 Company Name Continental Van Courd		6. US EPA ID Number NJ0067387514	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 101-071	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 8780 Bitter Creek Rd. Oregon Ohio 43616				10. US EPA ID Number OH-0045243706		D. Transporter's Phone 609 931-005	
				E. State Trans. ID PA-AH		F. Transporter's Phone ()	
				G. State Facility's ID Not Required		H. Facility's Phone (919) 726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Hazardous Waste Solid, N.O.15 ORM-E NA 9189 (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)				12. Containers No. Type 001 D.T 000.154 K.O.P.7		13. Total Quantity 000.154	
				14. Unit Wt/Vol K.O.P.7		15. Waste No.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Code(s) for Wastes Listed Above			
a. Haz. Code Physical State U1 U9		c. Haz. Code Physical State U1 U9 07.35 T		b. Handling Code Self-Dis		d. Handling Code	
b. Haz. Code Physical State U1 U9		d. Haz. Code Physical State U1 U9 54700 P					
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33 (c) until August 2, 1990. PCN 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/02/88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Dennis Dist				Signature <i>Dennis Dist</i>		Month Day Year 11/02/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name JERRY PICKLE				Signature <i>Jerry Pickle</i>		Month Day Year 11/02/88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-0039
Expires 9-30-88

ER-SWM-51:REV. 6/87.

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA0000427906100237**
Manifest Document No.

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address:
**PA. Philadelphia Core Co.
Richmond & Orthodox Sts. Philadelphia PA.**

A. State Manifest Document Number
PAB 5814631

4. Generator's Phone: **(215) 535-7222**

B. State Gen. ID

5. Transporter 1 Company Name: **Continental Vanguard**
6. US EPA ID Number: **INJ0067387514**

C. State Trans. ID: **PA-AH 12107**

7. Transporter 2 Company Name: _____
8. US EPA ID Number: _____

D. Transporter's Phone: **609 931-095**

9. Designated Facility Name and Site Address:
**Enviro Safe Services of Ohio Inc,
816 Otter Creek Rd,
Oregon Ohio 43616**
10. US EPA ID Number: **10W0045243706**

E. State Trans. ID: **PA-AH**

F. Transporter's Phone: _____
G. State Facility's ID: **Not Required**
H. Facility's Phone: **(419) 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		

**Hazardous waste solid N.O.S.
ORM-E NA9189**

0010T00015YK087

**(Soil contaminated with Tar De-cawer)
(Sludge from Cooling Operations)**

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
LH	LS	U	U
U	U	U	U

K. Handling Codes for Wastes Listed Above

Self 88-DSI

15. Special Handling Instructions and Additional Information:
This waste is exempt from land disposal restrictions per 40 CFR 268.33 (c) until August 8, 1990. PCN # 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Julie P Via** Signature: *Julie P Via* Month Day Year: **10/2/1988**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **David A Smith** Signature: *David A Smith* Month Day Year: **10/2/1988**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: _____ Signature: _____ Month Day Year: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: **Jerry Pizelle** Signature: *Jerry Pizelle* Month Day Year: **10/2/1988**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000042790000236		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co, Richmond & Orthodox Sts, Philadelphia PA 19137				A. State Manifest Document Number PAB 5811993			
4. Generator's Phone 215 535-7222				B. State Gen. ID			
5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number NJ 0007387514		C. State Trans. ID PA-AH 01071			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 610 921-0152			
9. Designated Facility Name and Site Address EnviroSafe Services Ohio Inc, 876 Otter Creek Rd, Oregon OH 43616		10. US EPA ID Number PA00045243706		E. State Trans. ID PA-AH			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. Hazardous waste solid MAS, GRM - E NA 9189				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter Sludge from Coling Operations)				00107000.0154		KOP7	
c.							
d.							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LT1 L19		c. U3.73T		b. Self 1281			
b. U3.73T		d. U3.73T		d.			
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33 (c) until August 8, 1990. PCN 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julia P Via		Signature <i>Julia P Via</i>		Month Day Year 10/21/88			
Printed/Typed Name GLENN STCLAIR		Signature <i>Glenn St Clair</i>		Month Day Year 10/29/88			
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jeff Pickle		Signature <i>Jeff Pickle</i>		Month Day Year 10/29/88			

in case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-003
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA 0000427906100235**
Manifest Document No. **100235**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**Philadelphia Coke Co.
Richard 9 Orthodox Str. Philadelphia, PA.**

A. State Manifest Document Number
FAB 5811982

4. Generator's Phone **(215) 535-7222**
5. Transporter 1 Company Name **Continental Vanguard**
6. US EPA ID Number **WJ 00675P7514**

B. State Gen. ID

7. Transporter 2 Company Name
8. US EPA ID Number

C. State Trans. ID
PA-AH 0107

9. Designated Facility Name and Site Address
**Enviro Safe Service of Ohio, Inc
876 Other Creek Rd
Oregon Ohio 43616**
10. US EPA ID Number **OH 0045243706**

D. Transporter's Phone **(601) 931-096**

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone **(419) 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		
001	D700	0.154	KOP.7

**Hazardous waste solid n.o.s.
ORM-E NA 9129**

(Soil Contaminated with Tar Decanter Sludge from Coking Operation)

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

Haz. Code	Physical State	Haz. Code	Physical State
a. U1	US	c. U1	US
b. U1	US	d. U1	US

Selfs-081
565002

15. Special Handling Instructions and Additional Information

This waste is exempt from land disposal restrictions per 40 CFR 268.33(-) until August 8, 1990. PCN # 1P50 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/02/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **RALPH REIKING** Signature **Ralph Reiking** Month Day Year **10/21/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name **Jerrey Pickle** Signature **Jerrey Pickle** Month Day Year **10/24/88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906100234		2. Page 1 of 1 Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co, R. Chaond & orthodox sts Philadelphia PA,		6. US EPA ID Number NO 00673P7514		A. State Manifest Document Number PAB 5811960	
4. Generator's Phone (215) 535-7222		8. US EPA ID Number		B. State Gen. ID	
5. Transporter 1 Company Name Continental Vanguard		10. US EPA ID Number 10400243706		C. State Trans. ID PA-AH 0107	
7. Transporter 2 Company Name		12. Containers		D. Transporter's Phone 609 931 0550	
9. Designated Facility Name and Site Address Garrosafe Services of Ohio, Inc 876 Otter Creek rd. Oregon, Ohio 43016		13. Total Quantity		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Hazardous waste Solid N.O.S. RAM-E NA 9189		14. Unit Wt/Vol		F. Transporter's Phone	
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)		15. Waste No.		G. State Facility's ID Not Required	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)		16. Handling Codes for Wastes Listed Above		H. Facility's Phone 419 726-1824	
a. LI LI		c. 2635T		b. Self-DIA	
b. LI LI		d. 52700?		d.	
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions under 40 CFR 268.33(c) until August 8, 1990, PCN # 1850 AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10/2/88	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Ralph R Anderson		Signature <i>Ralph R Anderson</i>		Month Day Year 10/2/88	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Jeery Pickle		Signature <i>Jeery Pickle</i>		Month Day Year 10/2/88	



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 0000427906100233		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co, Richmond & or Thodor Sts. Philadelphia PA				A. State Manifest Document Number PAB 5811971	
4. Generator's Phone 215, 535-7222				B. State Gen. ID	
5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number WJ 067387514		C. State Trans. ID PA-AH 01071	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0982	
9. Designated Facility Name and Site Address ENVIRO JUTE SERVICES OF OHIO, INC, 876 Oker Creek Rd, Oregon, Ohio 43616				E. State Trans. ID PA-AH	
10. US EPA ID Number OH 0045243706				F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Hazardous waste solid NOS, ORM-E MA 9184				G. State Facility's ID Not Required	
				H. Facility's Phone 414 726-1521	
12. Containers		13. Total Quantity		14. Unit Wt/Vol	
No. Type				I. Waste No.	
601 DT 000154		KOP7			
b. Soil Contaminated with Tar Decanter Sludge from Cooling Operations					
c.					
d.					
J. Additional Descriptors for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. U1 U9		c. 2307T		b. Self	
b. U1 U1		d. 46140P		d.	
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions Per 40 CFR 268.33(c) until August 2, 1990 PCN # 1P50 AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, I am a small quantity generator. I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10/21/88	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name GLENN D. KLINK		Signature <i>Glenn D. Klink</i>		Month Day Year 10/21/88	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name JERRY PICKEL		Signature <i>Jerry Pickel</i>		Month Day Year 10/21/88	



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In case of an emergency or spill, immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST.		1. Generator's US EPA ID No. PA00004279.0600232		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia CORE CO. Richmond & Orthodox Sts. Philadelphia PA.				A. State Manifest Document Number PAB 5811853	
4. Generator's Phone (215) 535-7222				B. State Gen. ID	
5. Transporter 1 Company Name Continental V&G dund		6. US EPA ID Number NJ0067387514		C. State Trans. ID PA-AH 101071	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 601 431-0800	
9. Designated Facility Name and Site Address Enviro Safe Services of Ohio, Inc. 876 Otter Creek Rd. Oregon Oh. 430616				E. State Trans. ID PA-AH	
10. US EPA ID Number OH.D0.45243706				F. Transporter's Phone ()	
				G. State Facility's ID Not Required	
				H. Facility's Phone: APR 705-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					
a. Hazardous Waste Solid N.O.S.		12. Containers		13. Total Quantity	14. Unit Wt/Vol
ORM-E NA 9184		No. Type			
		001 DT 0001 SY			KOP7
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)					
c.					
d.					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)					
a. LI LI		c. LI LI 25.11T		K. Handling Codes for Wastes Listed Above	
b. LI LI		d. LI LI 5000P		a. Self Dis	
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 26.33(c) until August 8, 1990 PCN # 1850 AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/02/88	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name DAVID DANIELS		Signature <i>David Daniels</i>		Month Day Year 11/02/88	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Jeff Pickle		Signature <i>Jeff Pickle</i>		Month Day Year 11/02/88	



ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D000427406100231		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA		A. State Manifest Document Number PAB 5814550		B. State Gen. ID SAME	
4. Generator's Phone 151535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D067387514		C. State Trans. ID PA-AH 10-1-07	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609 931-095		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 896 OTTER CREEK RD OREGON, OHIO 43116		10. US EPA ID Number OH-D045243706		F. Transporter's Phone ()		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189		No. Type		15. Y K 0 8 7		Waste No.	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above					
a. III III		c. III III 2608 T		b. Self-DR			
b. III III		d. III III 50160 ?		d.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990 PCN# 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10/21/88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name GEORGE SHIFFLETT		Signature <i>George Shifflett</i>		Month Day Year 11/22/88	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jerry Pickle		Signature <i>Jerry Pickle</i>		Month Day Year 10/10/88			



Bureau of Waste Management
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Harrisburg, PA 17120

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OMB No. 2050-0039
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GENERATOR OR TRANSPORTER OR FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.DD.004279.06100230		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. PHILADELPHIA, PA. RICHMOND & ORTHODOX STS.		6. US EPA ID Number W.J.D.0.6.7.3.8.7.5.1.4		A. State Manifest Document Number FAB 5814546	
4. Generator's Phone (215) 535-7222		7. Transporter 1 Company Name CONTINENTAL VANGUARD		B. State Gen. ID SAME	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number W.J.D.0.6.7.3.8.7.5.1.4		C. State Trans. ID PA-AH 101071	
7. Transporter 2 Company Name		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		D. Transporter's Phone 609.931.0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		10. US EPA ID Number OH.D.0.4.5.2.4.3.7.0.6		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		F. Transporter's Phone ()	
a. HAZARDOUS WASTE SOLID N.O.S.		No. Type		G. State Facility's ID Not Required	
b. ORM-E NA9189		001 DT		H. Facility's Phone 719-726-1521	
c. (Soil contaminated with Tar Decanter Sludge from Coking Operations)					
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)		K. Handling Codes for Wastes Listed Above			
a. LH LIS		c. 2468T		b. Self Dis	
b. 		d. 4360P		d. 	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN #1850AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/21/88	
17. Transporter Acknowledgement of Receipt of Materials		Signature <i>James M. Emrick</i>		Month Day Year 11/21/88	
Printed/Typed Name JAMES M. EMRICK		Signature <i>James M. Emrick</i>		Month Day Year 11/21/88	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Jeery Pickle		Signature <i>Jeery Pickle</i>		Month Day Year 11/21/88	



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA-D-0004279-06100229		Manifest Document No. 19137		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE Co. Philadelphia, PA. RICHMOND & ORTHODOX sts.						A. State Manifest Document Number PAB 5814535		B. State Gen. ID SAME	
4. Generator's Phone 215, 535-7222				5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J. 0-6-7-38-7514		C. State Trans. ID PA-AH 101071	
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 609 931-3051		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd. DREXON, OHIO 43616						10. US EPA ID Number 10H0045243706		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE Solid N.O.S., ORM-E NA9189						No. 0010T		Type Y	
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)						Quantity 0.0015		Unit Wt/Vol K.0.8.7	
c. (Sludge from Cooling Operations)									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. LT LIS		c. LT LIS 2902T		b. Self 081					
b. LT LIS		d. LT LIS 58040P		d.					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 11/02/88	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name Rodger Barron				Signature <i>Rodger Barron</i>				Month Day Year 11/02/88	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name JERRY PICKLE				Signature <i>Jerry Pickle</i>				Month Day Year 10/24/88	



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GENERATOR and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA0000427706100228		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.													
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. Richmond & Orthodox Sts.				A. State Manifest Document Number PAB 5811956		B. State Gen. ID SAME													
4. Generator's Phone (215) 535-7232				6. US EPA ID Number PA0018781072		C. State Trans. ID PA-AH 0042													
5. Transporter 1 Company Name John P. Fromm				7. Transporter 2 Company Name		D. Transporter's Phone (215) 385-3051													
9. Designated Facility Name and Site Address Enviro Safe Service of Ohio Inc. 876 Otter Creek Rd. Oregon, Ohio 43066				10. US EPA ID Number OH-P045243706		E. State Trans. ID PA-AH													
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Hazardous waste solid liq. ORM-E NA 9189				12. Containers No. Type		13. Total Quantity													
14. Unit Wt/Vol				15. Waste No.		16. Handling Codes (of Wastes Listed Above)													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">a. [L7]</td> <td style="width:25%;">b. [L5]</td> <td style="width:25%;">c. [] [] 25.5 T</td> <td style="width:25%;">d. [] [] 51000 P.</td> </tr> <tr> <td>e. [] []</td> <td>f. [] []</td> <td colspan="2">g. [] []</td> </tr> </table>				a. [L7]	b. [L5]	c. [] [] 25.5 T	d. [] [] 51000 P.	e. [] []	f. [] []	g. [] []		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">a. [] []</td> <td style="width:50%;">b. [] []</td> </tr> </table>		a. [] []	b. [] []	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">a. [] []</td> <td style="width:50%;">b. [] []</td> </tr> </table>		a. [] []	b. [] []
a. [L7]	b. [L5]	c. [] [] 25.5 T	d. [] [] 51000 P.																
e. [] []	f. [] []	g. [] []																	
a. [] []	b. [] []																		
a. [] []	b. [] []																		
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restriction per 40 CFR 268.33 (c) until August 8, 1990 per #1850																			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																			
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/02/88													
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name A.R. Burke				Signature <i>A.R. Burke</i>		Month Day Year 11/02/88													
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year													
19. Discrepancy Indication Space																			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Jerry P. Pull																			
Signature <i>Jerry P. Pull</i>				Month Day Year 11/02/88															



Bureau of Waste Management
P. O. Box 2063
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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA 1100042790600227		Manifest No. 00107000154		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co, Philadelphia, PA Richmond & Orthodox Sts 1215 S 35th St 19137				A. State Manifest Document Number PAB 5811945		B. State Gen. ID SAME			
5. Transporter 1 Company Name John P Frommer		6. US EPA ID Number PA D0008781072		C. State Trans. ID PA-AH 00421		D. Transporter's Phone (215) 385-3051			
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone			
9. Designated Facility Name and Site Address Enviro Safe Service of Ohio Inc, 8760 Her Creek Rd Oregon Ohio 43216 PH 0045243706				10. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 419 726-1321	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. Hazardous waste solid N.O.S. ORM-E NA 9189						No. 00107000154		Unit 40.57	
b. Soil Contaminated with Tar Decanter Sludge from Cooling Operations						Type		Waste No.	
c.									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. LT LS		c. U U		b. 253T		d. 51660P		e. 51660P	
15. Special Handling Instructions and Additional Information this waste is exempt from land disposal restriction per 40 CFR 268.33 (c) until August 8, 1990 per 187D									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/21/88			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name GERALD W KELLER		Signature <i>Gerald W Keller</i>		Month Day Year 10/21/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Jeret P. Kelly				Signature <i>Jeret P Kelly</i>		Month Day Year 10/24/88			



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD00042790600226**
Manifest Document No. **00226**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**Philadelphia Coke Co. Philadelphia, PA.
Richmond 107th & D Sts.
4. Generator's Phone (215) 535-7222 19137**

A. State Manifest Document Number
PAB 5814561
B. State Gen. ID
SAME

5. Transporter 1 Company Name
Continental Vanguard
6. US EPA ID Number
N.J.D.0.6.7.38.7.5.14

C. State Trans. ID
PA-AH 101071
D. Transporter's Phone
607 931-0950

7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
**EnviroSafe Services of Ohio Inc.
876 Otter Creek Rd
Oregon, Ohio 43616**
10. US EPA ID Number
10.H.D.0.4.52.4.3.7.0.6

E. State Trans. ID
PA-AH
F. Transporter's Phone
G. State Facility's ID
Not Required
H. Facility's Phone
419 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
					12. Containers
a.	HAZARDOUS WASTE SOLID N.O.S.				
b.	ORM-E NA 9189	0.01	0.7	0.0015	Y K087
c. (Soil contaminated with Tar Decanter Sludge from Cooling Operations)					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)
a. **U1 U9**
b. **U1 U1**
c. **U1 U1 24.T**
d. **U1 U1 48000**

K. Handling Codes for Wastes Listed Above
a. **Self-D81**
b. **Self-D81**

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1992 PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Julie P Via** Signature: **Julie P Via** Month Day Year: **10/21/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **Donald W. Linn** Signature: **Donald W. Linn** Month Day Year: **10/21/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: **JERRY PICKLE** Signature: **Jerry Pickle** Month Day Year: **10/21/88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No PA.D000427906100225		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond and Orthodox Sts. Phil, PA 19137				A. State Manifest Document Number FAB 5814524		B. State Gen. ID SAME	
4. Generator's Phone (215) 535-7222				5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number WJ.D067387514	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 10-10-71	
9. Designated Facility Name and Site Address Envirosale Services of Ohio, Inc. 876 Otter Creek Rd. Oregon, OH 43616				10. US EPA ID Number 104D045243706		D. Transporter's Phone 607-931-0931	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. Hazardous Waste Solid N.O.S. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
b. Soil Contaminated with Tar Decanted (Sludge from Cooling Operations)				1001 DT 0.0.15 Y		K.08.7	
c.				.		.	
d.				.		.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U11 U19		c. U11 U11 29.38 T		b. Self DDI		d.	
b. U11 U11		d. U11 U11 58.760 P		.		.	
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN # 1850 A X							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/02/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Larry Baerett</i>		Month Day Year 11/02/88	
Printed/Typed Name LARRY BAERETT				Signature <i>Larry Baerett</i>		Month Day Year 11/02/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Jerry Pickett				Signature <i>Jerry Pickett</i>		Month Day Year 10/21/88	



Bureau of Waste Management
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-0-0-0-4-2-7-9-0-6-100-224		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA RICHMOND & ORTHODOX STS. 1215, 535-7222 19137				A. State Manifest Document Number EAB 5811842		B. State Gen. ID SAME	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D-0-6-8-7-5-14		C. State Trans. ID PA-AH 0.1.0.7		D. Transporter's Phone (609) 931-0950	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone	
9. Designated Facility Name and Site Address: ENVIROSAFE SERVICES OF OHIO INC. 876 OUTER CREEK Rd. OREGON, OHIO 43016				10. US EPA ID Number 10.H-0-4-5-2-4-3-7-0-6		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)				0.01 0.T 0.0.0.15 Y		K.08.7	
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State LIII LIS		c. Haz. Code Physical State LIII LIS		2957T		Self 081	
b. Haz. Code Physical State LIII LIS		d. Haz. Code Physical State LIII LIS		9140 P		b. d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990, PCN #1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 10/2/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Milt Taylor		Signature Milt Taylor	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jerry Pella				Signature Jerry Pella		Month Day Year 10/2/88	



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.0.0.0.4.2.7.9.0.6.10.0.1.2.3		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. Philadelphia, PA. RICHMOND & ORTHODOX STS.				A. State Manifest Document Number FAB 5811820	
4. Generator's Phone 1215 535-7222		19137		B. State Gen. ID SAME	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.0.0.67.3.8.7.5.1.4		C. State Trans. ID PA-AH 10.1.0.71	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10.H.A.04524.3.7.0.6	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				12. Containers	
				No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)				0.0.1.0.T 0.0.0.1.5.4 K.0.8.7	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. U1 U3		c. U1 U1 27.63 T		b. Self Dis	
b. U1 U1		d. U1 U1 59260 P?		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name JULIE P VIA		Signature <i>Julie P Via</i>		Month Day Year 11/02/88	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name BARRY BARRON		Signature <i>Barry Barron</i>		Month Day Year 11/02/88	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 15.					
Printed/Typed Name JERRI P. ZUE		Signature <i>JERRI P. ZUE</i>		Month Day Year 11/02/88	



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.D00.042.7.9.06100.2.22		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. Philadelphia, PA RICHMOND & ORTHODOX STS.		A. State Manifest Document Number PA-B 5814583		B. State Gen. ID SAME	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name John FROMMER		6. US EPA ID Number PA.D.00.878.1.0.7.2		C. State Trans. ID PA-AH 10.0.4.2	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (215) 385-1072		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC, 876 OTTER CREEK Rd. OREGON, OHIO 43616		10. US EPA ID Number OH.D.04.5.2.4.3.7.0.6		F. Transporter's Phone ()		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189		0.0.10.T.0.0.0.1.5.Y		K.0.87			
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State U1 U9		c. Haz. Code Physical State U1 U9		b. 25.45		d. 0.081	
b. U1 U9		d. U1 U9		e. 50400 P		f.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCNT# 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10/2/88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name CECIL BAIRD JR		Signature <i>Cecil Baird Jr</i>		Month Day Year 10/2/88	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Jeep Pickle		Signature <i>Jeep Pickle</i>		Month Day Year 10/2/88			



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P. O. Box 2063
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Response Center (800) 424-8802 and the PA DER (717) 787-4343

In an emergency or when immediately call the NSR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-0042-79-06		Manifest Document No. 00721		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address Philadelphia Coke Co., Philadelphia, PA Richmond & ORTHODOX STS.						A. State Manifest Document Number PAB 5814594		B. State Gen. ID SAME					
4. Generator's Phone (215) 535-7222						5. Transporter 1 Company Name John PFROMMER		6. US EPA ID Number PA-D-0878-10-72					
7. Transporter 2 Company Name						8. US EPA ID Number		C. State Trans. ID PA-AH 10-0421					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON OHIO 43616						10. US EPA ID Number 10-H-0-4-5-24-37-06		D. Transporter's Phone (215) 385 3057					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S., ORM-E NA 9189 (Soil contaminated with Tar Decanter) (Sludge from Cooling Operators)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code) a. LTT LIS b. LTT LIS						c. LTT LIS d. LTT LIS		K. Handling Codes for Wastes Listed Above Self St. DSI		e. S1360P		f. b. d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN# 1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via						Signature Julie P Via						Month Day Year 10/21/88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name LARRY Rhodes						Signature Larry Rhodes						Month Day Year 10/21/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name JERRY PIZUE													
Signature Jerry Pizue						Month Day Year 10/24/88							



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-000-42790-6100220		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS.				A. State Manifest Document Number PAB 5811816	
4. Generator's Phone 215-535-7222 19137				B. State Gen. ID SAME	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number W.J. 067-387514		C. State Trans. ID PA-AH 101071	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609 931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON OHIO 43616				E. State Trans. ID PA-AH	
10. US EPA ID Number 10H-0045243706				F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				G. State Facility's ID Not Required	
12. Containers 0010700015 Y K087				H. Facility's Phone 419 726-1521	
13. Total Quantity				14. Unit Wt/Vol	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. ACN #1850AX				16. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.	
17. Transporter 1 Acknowledgement of Receipt of Materials		18. Transporter 2 Acknowledgement of Receipt of Materials		K. Handling Codes for Wastes Listed Above	
Printed/Typed Name Julie P Via		Printed/Typed Name Donald J Dehno		Signature Julie P Via	
Signature Donald J Dehno		Signature Donald J Dehno		Month Day Year 10/2/88	
19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Signature Jeff Pickle	
Printed/Typed Name		Signature		Month Day Year	



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.D.0.00.42.7.9.0.61002.19		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.				A. State Manifest Document Number FAB 5811805		B. State Gen. ID SAME							
4. Generator's Phone 1215.535.7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D.0.6.7.38.7.5.14		C. State Trans. ID PA-AH. 10.1.0.7							
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609.931.0950		E. State Trans. ID PA-AH							
9. Designated Facility Name and Site Address ENVIOSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 10.H.D.0.4.5.2.4.3.706		F. Transporter's Phone ()							
G. State Facility's ID Not Required				H. Facility's Phone 419.726-1521									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S.						No.		Type					
b. ORM-E NA 9189						0.01		D.T.O.0.0.15		Y		K.087	
c. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)													
d.													
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. U19		c. U19		b. 28.22T		d. Self Deo							
b. U19		d. U19		b. 5644UP		d.							
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PEN # 1850AX													
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Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 10/2/88					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name CHARLIE BAKER				Signature <i>Charlie Baker</i>				Month Day Year 10/2/88					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name Jeery Pottle				Signature <i>Jeery Pottle</i>				Month Day Year 10/2/88					



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GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA.D.0.0.0.4.2.9.0.6100218		Manifest Document No. 100218		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA 19137						A. State Manifest Document Number PAB 5811794		B. State Gen. ID SAME			
4. Generator's Phone (215) 535-7222						6. US EPA ID Number IN.J.D.0.673.875.14		C. State Trans. ID PA-AH 101071			
5. Transporter 1 Company Name CONTINENTAL VANGUARD						8. US EPA ID Number		D. Transporter's Phone 609.731-0950			
7. Transporter 2 Company Name						10. US EPA ID Number		E. State Trans. ID PA-AH			
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON OHIO 43016						11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers			
						No.		Type			
a. HAZARDOUS WASTE SOLID N.O.S.											
b. ORM-E NA 9189											
c. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)											
d.											
13. Total Quantity						14. Unit Wt./Vol					
						1. Waste No.					
						0.010.70.0.0.1.5 Y K.08.7					
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
Hazard Code		Physical State		Hazard Code		Physical State		b.		d.	
a. U1		US		c. U1		US		91T		Self 081	
b. U1		US		d. U1		US		57820.?			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850AX											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Julie P Via						Signature <i>Julie P Via</i>			Month Day Year 10/21/88		
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name DONALD D. HORNER			Signature <i>Donald D Horner</i>		
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name			Signature		
19. Discrepancy Indication Space						Month Day Year					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name Jeepi Pelle						Signature <i>Jeepi Pelle</i>			Month Day Year 10/24/88		



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-000-42790-6100277		Manifest Document No. 6100277		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. PHILADELPHIA, PA. RICHMOND & ORTHODOX STS.						A. State Manifest Document Number FAB 5814605									
4. Generator's Phone 215 535-7222						B. State Gen. ID SAME									
5. Transporter 1 Company Name JOHN PFROMMER						6. US EPA ID Number PA-D-008-781072		C. State Trans. ID PA-AH 10-0421							
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 215 535-3057							
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON OHIO 43616						10. US EPA ID Number 10-H.D.0.4.52.4.37.06		E. State Trans. ID PA-AH							
						F. Transporter's Phone		G. State Facility's ID Not Required							
						H. Facility's Phone 919 726-1321									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. HAZARDOUS WASTE SOLID N.O.S.						No. Type									
b. ORM-E NA 9189						0010T		0.0015Y		K087					
c. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)															
d.															
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above									
a. LMT L19		c. 27.36T		b. Self-081											
b. 5472UP		d.													
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PEN#1850AX															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 11/21/88							
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name JAY M PUSTAN				Signature <i>Jay M Pustan</i>				Month Day Year 11/21/88			
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.															
Printed/Typed Name JERRY PIZKE				Signature <i>Jerry Pizke</i>				Month Day Year 10/24/88							



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.DD.0042.77.0.6		Manifest Document No. 100216		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA.				A. State Manifest Document Number PA-B 5811923		B. State Gen. ID SAME	
4. Generator's Phone 215 535-7222				5. Transporter 1 Company Name John Pfrommer		C. State Trans. ID PA-AH 10.0.4.21	
5. Transporter 1 Company Name John Pfrommer				6. US EPA ID Number PA.0008.7810.72		D. Transporter's Phone 215 385-3057	
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd. OREGON, OHIO 43066				10. US EPA ID Number OH.DD.4.5.2437.06		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		G. State Facility's ID Not Required	
a. HAZARDOUS WASTE Solid N.O.S. NORM-E NA 9189				No. Type		13. Total Quantity	
b. (Soil Contaminated with Tar Decante Sludge from Cooling Operations)				001 D.T.000.15 Y K.0.87		14. Unit Wt/Vol	
c.				...		1. Waste No.	
d.				...		...
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U1 U19		c. U1 U1 26.16T		b. Self		d.	
b. U1 U1		d. U1 U1 50300?		b.		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN# 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that is appropriate.							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10/21/88			
Printed/Typed Name BARRY PUSKAR		Signature <i>Barry Puskar</i>		Month Day Year 10/21/88			
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JERRY P. CULLE		Signature <i>Jerry P. Culle</i>		Month Day Year 10/21/88			

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D00042790600275		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.				A. State Manifest Document Number PAB 5811912		B. State Gen. ID SAME	
4. Generator's Phone (215) 535-7222				5. Transporter 1 Company Name JOHN PFROMMER		6. US EPA ID Number PA0008781092	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 10.042	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd. OREGON, OHIO 43066				10. US EPA ID Number OH0045243706		D. Transporter's Phone 215 385-3051	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
HAZARDOUS WASTE SOLID N.O.S. AORM-E NA 9189 (Soil contaminated with Tar Decanter) (Sludge from Coling Operations)				No.		14. Unit Wt/Vol	
				Type		Waste No.	
001 DT00015Y K087							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U19		c. U19		b. Self-DR		d.	
b. U19		d. U19					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Jillie P Via				Signature <i>Jillie P Via</i>		Month Day Year 11/02/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name MERLE MITCHELL		Signature <i>Merle Mitchell</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JEFF PICKLE				Signature <i>Jeff Pickle</i>		Month Day Year 11/02/88	



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Generator (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.00.00.427.9.0.610.0.274		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.		
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA.		4. Generator's Phone (215) 535-7222		A. State Manifest Document Number PAB 5811610		
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.00.67.387.5.14		B. State Gen. ID. SAME		
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Trans. ID PA-AH 101.0.71		
9. Designated Facility Name and Site Address ENVIOSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd. OREGON, OHIO 43616		10. US EPA ID Number 10.H.0.0.4.5.24.3.7.06		D. Transporter's Phone (609) 931-0950		
				E. State Trans. ID PA-AH		
				F. Transporter's Phone ()		
				G. State Facility's ID: Not Required		
				H. Facility's Phone 419.726-1521		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol	
a. HAZARDOUS WASTE Solid N.O.S. ORM-E NA 9189			No. Type	0.010	T	0.0015 Y
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)						K.0.8.9
c.						
d.						
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above		
a. LT LB 31.5 T		c. UU UU		b. Sep 1 DB1		
b. UU UU 6300 P.		d. UU UU		d.		
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN# 1850 AX						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10/2/88		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Dave Wilkins		Signature <i>Dave Wilkins</i>		Month Day Year 10/20/88		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name JOHN HARDING		Signature <i>J.H.H.</i>		Month Day Year 10.31.88		



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.0.0.42.7.9.06		Manifest Description 002.13		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, Pa. Richmond, 4 ORTHODOX STS.						A. State Manifest Document Number FAB 5811606									
4. Generator's Phone 215 535-7222						B. State Gen. ID SAME									
5. Transporter 1: Company Name CONTINENTAL VANGUARD						6. US EPA ID Number N.J.0.0.67.38.7.5.1.4									
7. Transporter 2: Company Name						8. US EPA ID Number									
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC, 876 OTTER CREEK RD. OREGON, OHIO 43616						10. US EPA ID Number 1.O.H.0.4.5.2.4.3.9.0.6									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						0.01		D.T.0.0.0.1.5.4		K087					
b. (Soil Contaminated with Tar Decanter Sludge from Coling Operations ...)															
c.															
d.															
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above									
a. Haz. Code L11		Physical State LIS		c. Haz. Code L11		Physical State L11		28.44 T		S		C.D.91			
b. Haz. Code L11		Physical State L11		d. Haz. Code L11		Physical State L11		56.90 P		b.		d.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name Julie P Via						Signature Julie P Via						Month Day Year 1/02/88			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name David Hursey						Signature David Hursey		Month Day Year 1/02/88	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name						Signature		Month Day Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.															
Printed/Typed Name Jeff HARDING						Signature Jeff Harding						Month Day Year 1/03/88			



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D. 00042.79.06		Manifest Document No. 100212		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address Philadelphia Cake Co. Philadelphia, PA.						A. State Manifest Document Number PAB 5811901							
4. Generator's Phone 215, 535-7222						B. State Gen. ID SAME							
5. Transporter 1 Company Name John FROMMER INC			6. US EPA ID Number P.A. 1008781002			C. State Trans. ID PA-AH 100421							
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 215 385-3051							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd. OREGON, OHIO 43066						E. State Trans. ID PA-AH							
10. US EPA ID Number 10.HD.045243706						F. Transporter's Phone ()							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS waste Solid N.O.S. ORM-E NA 9189						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS waste Solid N.O.S. ORM-E NA 9189 b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations) c. d.						00.10		DT0.00.15		Y		K.08.7	
						
						
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. LT		b. US		c. LT		d. LT		e. 19.24T		f. Self		g. 081	
b. LT		c. LT		d. LT		e. LT		f. 38480P.		g. 081		h. 081	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 185DAX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 10/26/88					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Robert Mitchell				Signature <i>Robert Mitchell</i>				Month Day Year 10-20-88					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name Jerry Pizle				Signature <i>Jerry Pizle</i>				Month Day Year 10/21/88					



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-0-0-0-2-7-9-0-6100211		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. Philadelphia, PA. Richmond & ORTHODOX STS. 19137				A. State Manifest Document Number PAB 5811890		B. State Gen. ID SAME	
4. Generator's Phone 215-535-7222				6. US EPA ID Number PA-D-0-0-8-7-8-10-7-2		C. State Trans. ID PA-AH 10-0-421	
5. Transporter 1 Company Name John PFROMMER INC.				8. US EPA ID Number		D. Transporter's Phone 215-385-3051	
7. Transporter 2 Company Name				10. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876-OTTER CREEK RD. OREGON OHIO 43066				10. US EPA ID Number 10-A-0-0-4-5-2-4-3-30-6		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S., ORM-E NA 9189				No. Type		Unit Waste No.	
b. (Soil Contaminated with Tar Decanter Sludge from Coaling Operations)				0-0-10-T 0-0-0-1-5-4		K-0-8-7	
c.				43920		16	
d.				2196		4	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LIT LIS		c. UU UU		e. DSL		g.	
b. UU UU		d. UU UU		f. SECRET		h.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PEN # 1850AX.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JULIE P VIA				Signature <i>Julie P Via</i>		Month Day Year 10/08/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>John A. Richard</i>		Month Day Year 10/08/88	
Printed/Typed Name JOHN A. RICHARD				Signature <i>John A. Richard</i>		Month Day Year 10/08/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Dale M Pertrier				Signature <i>Dale M Pertrier</i>		Month Day Year 10/08/88	



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UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA0000427906		Manifest Document No. 00210		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. Richmond & ORTHODOX STS.						A. State Manifest Document Number PAB 5811886		B. State Gen. ID SAME	
4. Generator's Phone (215) 535-7222						6. US EPA ID Number PA00008781072		C. State Trans. ID PA-AH 100421	
5. Transporter 1 Company Name John PFROMMER						8. US EPA ID Number		D. Transporter's Phone 215 385-2057	
7. Transporter 2 Company Name						10. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address: ENVIRONMENTAL SERVICES OF OHIO, Inc. 876 BUTTER CREEK RD OREGON, OHIO 43616						10. US EPA ID Number 10.H.00.45243706		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S.						No. Type		14. Unit Wt/Vol	
b. ORM-E NA 9189						0.01 DT 0.0015 Y		K.08.7	
c. SOIL Contaminated with Tar Decanter Sludge from Coating Operations						2145		1	
d.						42900		16	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN# 1850AX						K. Handling Codes for Wastes Listed Above a. DF1 b. SCUF			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name Julie P Via			
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <i>Julie P Via</i>			
18. Transporter 2 Acknowledgement of Receipt of Materials						Month Day Year 11/22/88			
19. Discrepancy Indication Space						Printed/Typed Name Jeffrey Dominicus			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Signature <i>Jeffrey Dominicus</i>			
Printed/Typed Name Dale M Pertrner						Month Day Year 11/22/88			



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Response Center (800) 424-9802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.D000427906100209		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA, Richmond & ORTHODOX STS.				A. State Manifest Document Number PAB 5811875	
4. Generator's Phone (215) 535-7222				B. State Gen. ID SAME	
5. Transporter 1 Company Name John PFROMMER		6. US EPA ID Number PA.0.0.0.8.7.8.1.0.7.2		C. State Trans. ID PA-AH 10.0.4.2	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (215) 385-3051	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 8716 OTTER CREEK RD. OREGON, OHIO 43616				E. State Trans. ID PA-AH	
10. US EPA ID Number 10.H.0.0.4.5.2.4.3.7.0.6				F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA 9189				G. State Facility's ID Not Required	
12. Containers a. 0.0.1.0.T.0.0.0.15 Y K.0.87 b. (Soil Contaminated with Tar Decanter) c. (Sludge from Cooling Operations)				H. Facility's Phone (717) 726-1521	
				I. Waste No.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. LT LB 23 4 T				a. Sol 1091	
b. LT LB 410,00 P				b.	
15. Special Handling Instructions and Additional Information This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33 (c) until August 8, 1990. PCN # 1850 AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/2/88	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name L. BROWN JR.		Signature <i>L. Brown Jr.</i>		Month Day Year 1/02/89	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name Jott HARDING		Signature <i>Jott Harding</i>		Month Day Year 11/21/88	



ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

GENERATOR or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-00-042-7-9-0610-0208		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co., Philadelphia, PA. Richmond & 8th 000x Sts.				A. State Manifest Document Number PAB 5811595		B. State Gen. ID SAME	
4. Generator's Phone 215-535-7222 19137				5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D.0.6-7-387-5-1-4	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 10-1-071	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10-H.D.0.4-5-24-3-7-06		D. Transporter's Phone 609-931-0950	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S., ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)				0-01 0-7		0-0-0-1-5 Y K-0-8-7	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LTU U9 24.11 T				a. Soff EDB1			
b. UU 49220 P				b.			
15. Special Handling Instructions and Additional Information: This waste is exempt from Land Disposal Restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN #1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name J. Kurt Ansermeier				Signature <i>[Signature]</i>		Month Day Year 11 02 88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name John Barnhart		Signature <i>[Signature]</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name John H. H.				Signature <i>[Signature]</i>		Month Day Year 11 02 88	



ER-SWM-51-REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A. 1000427906		Manifest Document No. 100207		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.						A. State Manifest Document Number FAB 5811584		B. State Gen. ID SAME	
4. Generator's Phone 215-535-7222 19137						6. US EPA ID Number N.J.D.0.6.7.38.7.514		C. State Trans. ID PA-AH 10.1.0.71	
5. Transporter 1 Company Name CONTINENTAL VANGUARD						8. US EPA ID Number		D. Transporter's Phone 609-931-0950	
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 816 OTTER CREEK RD OREGON, OHIO 43616						10. US EPA ID Number 10.H.D.0.4.524.37.06		F. Transporter's Phone	
9. Designated Facility Name and Site Address						10. US EPA ID Number		G. State Facility's ID Not Required	
9. Designated Facility Name and Site Address						10. US EPA ID Number		H. Facility's Phone 419-726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type		Unit Waste No.	
b. (Soil Contaminated with Tar Decanter Sludge from Coiling Operations)						0.010 0.0.0.1.5 Y		K.0.8.7	
11. US DOT Description						12. Containers		13. Total Quantity	
11. US DOT Description						12. Containers		14. Unit Waste No.	
11. US DOT Description						12. Containers		15. Waste No.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. U1 U1 22.01 T						a. Sclp T.D.91			
b. U1 U1 44022 P						b.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this confinement are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name J. Kurt Angermeier						Signature <i>J. Kurt Angermeier</i>		Month Day Year 10 20 88	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name KEITH SCHENUR						Signature <i>Keith Schenur</i>		Month Day Year 10 20 88	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name						Signature		Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name JEFF HARDING						Signature <i>Jeff Harding</i>		Month Day Year 10 20 88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-003
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA00004279060206		Manifest Document No. 0206		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA.						A. State Manifest Document Number PAB 5812015							
4. Generator's Phone 215, 535-7222						B. State Gen. ID SAME							
5. Transporter #1 Company Name John Prommer Inc						C. State Trans. ID PA-AH 10-0-42							
6. US EPA ID Number PA00008781072						D. Transporter's Phone 215, 385-3051							
7. Transporter #2 Company Name						E. State Trans. ID PA-AH							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address ENVROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616						G. State Facility's ID Not Required							
10. US EPA ID Number 10HD045243706						H. Facility's Phone 719, 726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S.						No. Type							
b. ORM-E NA9189						0.01 DT		000.15		Y		K087	
c. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)													
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. LH		b. U9		c. U		d. U		e. 26.07T		f. Scp, t, D81			
b. U		c. U		d. U		e. U		f. 5210P		g.		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN #185UAX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 1/02/88					
Printed/Typed Name Robert Sherry				Signature <i>Robert Sherry</i>				Month Day Year 10/20/88					
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name Jeff HADDINC				Signature <i>J H H</i>				Month Day Year 16 11 88					

EPA Form 8700-22 (Rev. 9-86) Previous editions are obsolete



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA D-0-00-4279-06		Manifest Document No. 00205		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia PA Richmond & ORT#0003 Sts.						A. State Manifest Document Number PAB 5811831		B. State Gen. ID SAME	
4. Generator's Phone (215) 535-7222						5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number NJ-0067-3875-14	
7. Transporter 2 Company Name						8. US EPA ID Number		C. State Trans. ID PA-AH 10-1-0-7	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd OREGON, OHIO 43616						10. US EPA ID Number 1040045243706		D. Transporter's Phone 609-931-0950	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type		14. Unit Wt/Vol	
b. Soil Contaminated with Tar Decanter Sludge from Cooling Operations						0.01 D TO 0.01 5 Y		K 0.8 7	
c.									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		b. Haz. Code Physical State		c. Haz. Code Physical State		d. Haz. Code Physical State		e. Handling Code	
LTD LSH 26.94 T		LTD LSH 53000 P		LTD LSH		LTD LSH		S, D, T, D, B	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via				Signature Julie P Via				Month Day Year 10 20 88	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name LARRY Firestone				Signature Larry Firestone				Month Day Year 10 20 88	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name J-H HARDING				Signature J-H Harding				Month Day Year 10 20 88	



Bureau of Waste Management
P. O. Box 2063
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-0-0-0-42-7-9-0-6100204		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.				A. State Manifest Document Number PAB 5811934		B. State Gen. ID SAME	
4. Generator's Phone 215-535-7222				6. US EPA ID Number PA-D-0-0-8-7-81-0-72		C. State Trans. ID PA-AH 10-0-4-21	
5. Transporter 1 Company Name JOHN PFROMMER, INC.				8. US EPA ID Number		D. Transporter's Phone 215-385-3051	
7. Transporter 2 Company Name				9. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIRDSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number PA-D-0-4-5-2-4-3-7-0-6		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. DRM-E NA 9189				No. Type		14. Unit Wt/Vol	
b. (Soil Contaminated with Tar Diaster) (Sludge from Coating Operations)				001 0.7 0.0.0.1.5 Y K.0.8.7			
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LI LI 20.77 T				b. Sep 10 91			
b. LI LI 41940P				d.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850 AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JULIE P Via		Signature <i>Julie P Via</i>		Month Day Year 10 20 88			
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name DOUG FREED		Signature <i>Doug Freed</i>		Month Day Year 10 20 88			
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name J-H HADDINC		Signature <i>J-H H</i>		Month Day Year 10 20 88			

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>PA0000427906100202</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address <i>Philadelphia Coke Co. RICHMOND & ORTHOOD STS. Philadelphia, PA.</i>		A. State Manifest Document Number <i>FAB 5811746</i>		B. State Gen. ID	
4. Generator's Phone <i>(215) 535-4222</i>		5. Transporter Company Name <i>CONTINENTAL VANGUARD</i>		6. US EPA ID Number <i>IN-JD067387514</i>		C. State Trans. ID <i>PA-AH 10-1-0-71</i>	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone <i>609 931-0950</i>		E. State Trans. ID <i>PA-AH</i>	
9. Designated Facility Name and Site Address <i>ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd. OREGON, OHIO 43616</i>		10. US EPA ID Number <i>10-HD-0452437-06</i>		F. Transporter's Phone		G. State Facility's ID <i>Not Required</i>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. <i>HAZARDOUS waste Solid N.O.S. ORM-E NA9189</i>		No. Type		15. Y		K 08.7	
b. <i>(Soil contaminated with Tar Decanter Sludge from Cooling Operations)</i>							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above					
a. <i>LIQ LIQ 23.96 T. LIQ LIQ</i>		b. <i>Scp 1 D 91</i>					
b. <i>LIQ LIQ 47720 P. LIQ LIQ</i>							
15. Special Handling Instructions and Additional Information <i>This waste is EXEMPT FROM Land Disposal Restrictions PER 40 CFR 268.33 (c) UNTIL August 8, 1990. PCN #1850AX</i>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <i>Julie P Via</i>		Signature <i>Julie P Via</i>		Month Day Year <i>10 20 88</i>			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <i>Alvin J Knopsnyder</i>		Signature <i>Alvin J Knopsnyder</i>		Month Day Year <i>11 02 1988</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name <i>J. H. HARDING</i>		Signature <i>J. H. Harding</i>		Month Day Year <i>10 20 88</i>			



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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA.D00.04.27.9.06100.2.0.1A**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO. Philadelphia, PA.
RICHMOND & ORTHODOX STS.**

A. State Manifest Document Number
PAB 5811680

4. Generator's Phone **215 535-7222 19137**

B. State Gen. ID

5. Transporter 1 Company Name
JOHN PFROMMER

6. US EPA ID Number
PA.D.00.8.78.10.72

C. State Trans. ID
PA-AH 10.04.21

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **215 385-3087**

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO INC.
876 OTTER CREEK RD
OREGON, OHIO 43616**

10. US EPA ID Number
10.H.D.0.45.24.3.7.0.6

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone **419 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		

a. **HAZARDOUS Waste Solid N.O.S.**

--	--	--	--

b. **ORM-E NA 9189**

--	--	--	--

(Soil Contaminated with Tar Decanter Sludge from Coling Operations)

--	--	--	--

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

a. **LT LIS**

c. **LT LIS**

DFI

b. **LT LIS**

d. **LT LIS**

DFI

15. Special Handling Instructions and Additional Information

THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PRR 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Julie P Via

Signature
Julie P Via

Month Day Year
10 20 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Charles Mitchell

Signature
Charles Mitchell

Month Day Year
10 20 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
Dale M Pertner

Signature
Dale M Pertner

Month Day Year
10 20 88



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-003
Expires 9-30-88

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response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D-004-279-0600201		Manifest Document No. 00201		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA. 215, 535-7222						A. State Manifest Document Number PAB 5811761		B. State Gen. ID					
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number NJ-D-06738-7514		C. State Trans. ID PA-AH 10-1-071		D. Transporter's Phone 609-931-0450					
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Trans. ID PA-AH		F. Transporter's Phone					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616						10. US EPA ID Number OH-D-045243706		G. State Facility's ID Not Required		H. Facility's Phone 919-726-1521			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189						No. Type 001 BT		000154		K087			
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)													
c.													
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State III LS		c. Haz. Code Physical State III LS		b. Haz. Code Physical State III LS		d. Haz. Code Physical State III LS		S of 1001					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN# 1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. KURT ANGERMEIER				Signature <i>J. Kurt Angermeier</i>		Month Day Year 11/9/88							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name DENNIS DEIST		Signature <i>Dennis Deist</i>		Month Day Year 11/9/88			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name J. F. HILLING		Signature <i>J. F. Hilling</i>		Month Day Year 10/25/88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A. 00-004279-06100200		Manifest Document No. 200		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.									
3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. Richmond & Orthodox sts.						A. State Manifest Document Number PAB 5811783											
4. Generator's Phone 215 535-7222						B. State Gen. ID											
5. Transporter 1 Company Name CONTINENTAL VANGUARD						C. State Trans. ID PA-AH 10-1-0-71											
6. Transporter 1 US EPA ID Number N.J. 06738-7514						D. Transporter's Phone 609 931-0950											
7. Transporter 2 Company Name						E. State Trans. ID PA-AH											
8. Transporter 2 US EPA ID Number						F. Transporter's Phone											
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK Rd. OREGON OHIO 43616						G. State Facility's ID Not Required											
10. US EPA ID Number 10-40-045-243-7-06						H. Facility's Phone 419 726-1521											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit		15. Waste No.					
a. HAZARDOUS WASTE Solid N.O.S.						No. Type		Quantity		Wt/Vol		Waste No.					
b. ORM-E NA 9189						0-01 D.T.O.O.O.15 Y		K.087									
c. Soils Contaminated with Tar Decanter Sludge from Coaling Operations																	
d.																	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above											
a. LS 30.9 T						b. 500 1081											
b. LS 900 P.						d.											
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850AX																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name J. Kurt Ansermeier						Signature <i>[Signature]</i>				Month Day Year 11/01/90							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name WAYNE E. Gohn				Signature <i>[Signature]</i>				Month Day Year 11-01-90			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name J. H. Harding						Signature <i>[Signature]</i>				Month Day Year 11/01/90							



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D0-004279-06D0199		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Ph. LADeLphIA Coke Co. Philadelphia, PA.				A. State Manifest Document Number PAB 5811691		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				5. Transporter 1 Company Name John PFROMMER		6. US EPA ID Number PA-D0-00878-1-072	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 10-0421	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON OHIO 43616				10. US EPA ID Number 10 H.D.0.45.24.3.706		D. Transporter's Phone (215) 385-3051	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S.				No.		Unit	
b. ORM-E NA 9189				Type		Wt/Vol	
c. Soil Contaminated with Tar Decanter Sludge from Coking Operations				Waste No.		14. Unit Wt/Vol	
d.				15. Total Quantity		16. Waste No.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U11 U9		c. U11 U12		b. 2606 T		d. 5 Oct 1991	
b. U11 U11		d. U11 U11		52130		B.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN # 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that can afford							
Printed/Typed Name J. Kurt Busermeier				Signature <i>[Signature]</i>		Month Day Year 10/19/88	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name EDWARD B. JENKINS				Signature <i>[Signature]</i>		Month Day Year 10/19/88	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name JOHN HADDINC				Signature <i>[Signature]</i>		Month Day Year 10/20/88	



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UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. P.A.D.0.0.042.7.9.06		Manifest No. 00198		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond FORTHWOOD STS. PHILADELPHIA, PA.						A. State Manifest Document Number PAB 5811573		B. State Gen. ID					
4. Generator's Phone (215) 535-7222						19137							
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number N.J.D.0.6.7.3.8.7.5.1.4		C. State Trans. ID PA-AH 01.0.71							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 609.931.0950		E. State Trans. ID PA-AH					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616						10. US EPA ID Number 10.H.D.0.452.4.3.7.0.6		F. Transporter's Phone ()					
						G. State Facility's ID Not Required		H. Facility's Phone 419.726-7521					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE Solid N.O.S.						No. Type							
b. ORM-E NA 9189						D.010.T		0.0.0.15 Y		K.0.8.7			
c. Soil Contaminated with Tar Decanter Sludge from Cooling Operations													
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. LIT LIS		c. LL LL 23 T		b. S. of T. P. 91		d.							
b. LL LL		d. LL LL 46.000P											
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990 PCN #1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 11/01/98					
17. Transporter 1 Acknowledgement of Receipt of Materials						18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name DAVID DANIEL				Signature <i>David Daniel</i>				Month Day Year 11/01/98					
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name J. H. HARDING				Signature <i>J. H. Harding</i>				Month Day Year 10/25/93					



Bureau of Waste Management
P. O. Box 2063
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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.D0004279.06100197		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & ORTHODOX STS. Philadelphia, PA.				A. State Manifest Document Number PAB 5811772		B. State Gen. ID	
4. Generator's Phone 215 1535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.0067387514		C. State Trans. ID PA-AH 101.071	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609 931-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIRASAFE SERVICES OF OHIO INC, 876 OTTER CREEK RD OREGDN OHIO 43616				10. US EPA ID Number 10.H.045243706		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. FORM-E NA 9189				No. 0.01 Type DOT		14. Unit Wt/Vol 0.0015 Y	
b. (Soil Contaminated with Tar Decanter Sludges from Cooling Operations)						15. Waste No. K087	
c. (Sludges from Cooling Operations)							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. III LS		c. III LS		d. 25.77		e. Scp 2.081	
b. III		d. III		f. 51540 P.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN #1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 10/19/88			
17. Transporter 1 Acknowledgement of Receipt of Materials				18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name JAMES M. ERICK		Signature <i>James M. Erick</i>		Month Day Year 10/21/88			
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name J. H. HARDING		Signature <i>J. H. Harding</i>		Month Day Year 10 23 88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA.D.0.0.0.4.2.7.9.0.6.1.0.0.1.9.6		Manifest Document No. 100196		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.				A. State Manifest Document Number PAB 5811713		B. State Gen. ID			
4. Generator's Phone (215) 535-7222				5. Transporter 1 Company Name John AFROMMER		6. US EPA ID Number PA.D.0.0.0.8.7.8.1.0.7.2		C. State Trans. ID PA-AH 10.0.42	
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 261 785-3007		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10.H.D.0.4.5.2.4.3.7.0.6		F. Transporter's Phone ()		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. HAZARDOUS WASTE Solid N.O.S. ORM-E NA9189				No. 001		Type DTD.0.0.1.5		Waste No. Y K08.7	
b. <i>(Soil Contaminated with Tar Decanter Sludge from Coating Operations)</i>									
c.									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above					
a. III III		c. III III 24 S2 T		b. Sep 2 88		d.			
b. III III		d. III III 49040 P.							
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN #1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via			Signature <i>Julie P Via</i>			Month Day Year 11/01/1988			
17. Transporter 1 Acknowledgement of Receipt of Materials					18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name Donald J Liney			Signature <i>Donald J Liney</i>			Month Day Year 11/01/1988			
Printed/Typed Name			Signature			Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name JEFF HARDING			Signature <i>JEFF HARDING</i>			Month Day Year 10/20/88			



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.00427906100195		Manifest Document No. 100195		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address Philadelphia Coke Co. Philadelphia, PA. RICHMOND & ORTHODOX STS.		6. US EPA ID Number P.A.D.008781072		A. State Manifest Document Number PAB 5811735		B. State Gen. ID	
4. Generator's Phone 215 535-7222		5. Transporter 1 Company Name John Pfrommer		8. US EPA ID Number		C. State Trans. ID PA-AH 100421		D. Transporter's Phone 215 385-3051	
7. Transporter 2 Company Name		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		10. US EPA ID Number 10.H.0045243706		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S. FORM-E NA 9189		No. Type		0 01 DT 0.0.0.15		Y		K.087	
b. (Soil contaminated with Tar Decanter)									
c. (Sludge from Cooling Operations)									
d.									
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)		K. Handling Codes for Wastes Listed Above							
a. III LIS		c. III III 2664 T		d. Sep 1 091					
b. III III		d. III III S3230 P.							
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER TO CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN #1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>				Month Day Year 11/19/88			
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name John L LAVENDER		Signature <i>John L Lavender</i>				Month Day Year 10/19/88			
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name		Signature				Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Jeff HARDING		Signature <i>Jeff Harding</i>				Month Day Year 10 25 88			



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UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA.D.00042.79.0.6100.194	Manifest Document No. 194	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA		6. US EPA ID Number PA.D.008.7.8.1.0.7.2		A. State Manifest Document Number FAB 5811702	
4. Generator's Phone 215.535-7222		7. Transporter 1 Company Name John PFROMMER		B. State Gen. ID	
5. Transporter 1 Company Name John PFROMMER		8. US EPA ID Number		C. State Trans. ID PA-AH 10.0.42	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616		10. US EPA ID Number 10.H.D.0452.4.3.7.0.6		D. Transporter's Phone 215.385-3057	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. FORM-E NA 9189		No. Type		14. Unit Wt/Vol	
b. ✓ Soil Contaminated with Tar Decanted (Sludge from Cooling Operations)		001 D.T.0.0.0.15 Y		K.O.8.7	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above			
a. LIT L-B		c. LIT LIT 2S.B.T		.5 of T.D.B.	
b. LIT LIT		d. LIT LIT 50210P		b. d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. RN #1850AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, I am a small quantity generator. I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Julie P. Via		Month Day Year 11/01/1988	
Printed/Typed Name GERALD W. KELLER		Signature Gerald W. Keller		Month Day Year 10/19/88	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name JOHN HARDING		Signature John Harding		Month Day Year 11/23/88	



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Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA D 000 427906		Manifest Document No. 00193		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Cake Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.						A. State Manifest Document Number PAB 5811654		B. State Gen. ID	
4. Generator's Phone (215) 535-7222 19137						C. State Trans. ID PA-AH 0042		D. Transporter's Phone (215) 385-3057	
5. Transporter 1 Company Name John PFROMMER				6. US EPA ID Number PA 0 0 0 8781072		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
7. Transporter 2 Company Name				8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone 419 726-1521	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC 876 OTTER CREEK Rd OREGON, OHIO 43616						10. US EPA ID Number 10 HD 0 45 24 3706			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID, N.O.S.						No. Type		14. Unit Wt/Vol	
b. NORM-E NA 9189						001 D.T		0.0015 Y K.0.8.7	
c. (Soil Contaminated with Tar Decanter Sludge from Coiling Operations)									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State H11 L19		c. Haz. Code Physical State U1 U2 S75 T		b. Haz. Code Physical State U1 U1 S1500P.		d. S.C.P. to D.B.I.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. RN#1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 10/19/88			
Printed/Typed Name A.R. Ruck				Signature <i>A.R. Ruck</i>		Month Day Year 10/19/88			
Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name Jett HARDING				Signature <i>Jett Harding</i>		Month Day Year 10/20/88			



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA.D00042790600192		Manifest Document No. PA.B 5811562	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond and Orthodox Sts. Phil, PA 19137				2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
4. Generator's Phone 215 535-7222				A. State Manifest Document Number PA.B 5811562	
5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number WJD06787514		B. State-Gen. ID	
7. Transporter 2 Company Name				C. State Trans. ID PA-AH 10-1-0-71	
9. Designated Facility Name and Site Address EnviroSafe Services of Ohio, Inc. 876 Otter Creek Rd Oregon, OH 43616				8. US EPA ID Number OH.D0045243706	
10. US EPA ID Number				D. Transporter's Phone 607 931-0935	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				E. State Trans. ID PA-AH	
a. Hazardous Waste Solid N.O.S. ORM-E NA 9189 b. Soil Contaminated with Tar Decanter (Sludge from Cooling Operations) c.				F. Transporter's Phone ()	
				G. State Facility's ID Not Required	
				H. Facility's Phone 419 726-1521	
				I. Waste No.	
12. Containers		13. Total Quantity		14. Unit Wt/Vol	
No.		Type		Waste No.	
..		001 DT 00015 Y K 08 7		..	
..		2608 T		..	
..		52160 P		..	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. Haz. Code U1 Physical State US		c. Haz. Code U1 Physical State U1		b. Self-DR1	
b. Haz. Code U1 Physical State U1		d. Haz. Code U1 Physical State U1		d.	
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN # 1850AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/09/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Month Day Year	
Printed/Typed Name GEORGE SKIFFLETT		Signature <i>George Skifflett</i>		Month Day Year 11/11/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Dale M Pertner		Signature <i>Dale M Pertner</i>		Month Day Year 10/24/88	



ER-SWM-51-REV. 6/87

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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA000042790600191		Manifest Document No. 191		2. Page 1 of Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond and Orthocbx Sts. Phil, PA 19137				A. State Manifest Document Number PAB 5811551		B. State Gen. ID	
4. Generator's Phone 215-535-7222				5. Transporter 1 Company Name Continental Vanguard		6. US EPA ID Number WJD06787514	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID PA-AH 10107	
9. Designated Facility Name and Site Address Envirosafe Services of Ohio, Inc. 876 Otter Creek Rd Oregon, OH 43616				10. US EPA ID Number OH0045243706		D. Transporter's Phone () 619 931-0915	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. Hazardous Waste Solid N.O.S. ORM-E NA 9189				No. Type		Unit Wt/Vol	
b. Soil Contaminated with Tar Decanter (Sludge from Coaling Operations)				No. Type		Unit Wt/Vol	
c.				No. Type		Unit Wt/Vol	
d.				No. Type		Unit Wt/Vol	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LM LS		c. LL LL 2905 T		b. Scp T.D.81		d.	
b. LL LL		d. LL LL 59100 P		b.		d.	
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33 (c) until August 8, 1990. PCN# 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/19/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Donald J Devine		Signature <i>Donald J Devine</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space				Printed/Typed Name J. H. HARDING		Signature <i>J. H. H.</i>	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Printed/Typed Name		Signature	
				Printed/Typed Name		Month Day Year 11/19/88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-002
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA000042790600190		Manifest Document No.		2. Page 1 of Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co Richmond and Orthodox Sts. Phil. PA 19137				A. State Manifest Document Number FAB 5811540		B. State Gen. ID	
4. Generator's Phone 215-535-7222				5. Transporter 1 Company Name Continental Vanguard		C. State Trans. ID PA-AH 01071	
6. US EPA ID Number WJDO6787514				7. Transporter 2 Company Name		D. Transporter's Phone 609931-09	
8. US EPA ID Number				9. Designated Facility Name and Site Address Enviro-solve Services of Ohio, Inc. 876 Otter Creek Rd Oregon, OH 43616		E. State Trans. ID PA-AH	
10. US EPA ID Number OHDO45243706				11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. Hazardous Waste Solid N.O.S. ORM-E NA 9189		F. Transporter's Phone	
12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
No. Type		Quantity		Wt/Vol		Waste No.	
		001 DT 000.15 Y		K087			
b. (Seal Contaminated with Tar Decanter)				c. (Sludge from Cooling Operations)			
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		c. Haz. Code Physical State		b.		d.	
U9		U9 25.27 T		Sep 1 1991			
b.		d. 505409					
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN # 1850A							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 10/19/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Ronald W. Leam</i>		Month Day Year 10/19/88	
Printed/Typed Name Ronald W. Leam				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name J. H. HADDON				Signature <i>J. H. Haddon</i>		Month Day Year 10/20/88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.D.0.0042.79.0600189		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. Philadelphia, PA RICHMOND & ORTHODOX STS.				A. State Manifest Document Number FAB 5811665		B. State Gen. ID	
4. Generator's Phone (215) 535-7222 19137				6. US EPA ID Number PA.D.0.0878.1.0.7.2		C. State Trans. ID PA-AH 00421	
5. Transporter 1 Company Name John PEROMMER				8. US EPA ID Number		D. Transporter's Phone (215) 385-3057	
7. Transporter 2 Company Name				10. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIRONMENTAL SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number 10HO.0.4524.37.0.6		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S.				No. Type		14. Unit Wt/Vol	
b. ORM-E NA 9189				0.01 DT 0.0.0.15 Y		K.08.7	
c. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)							
d.						2551 T	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U11 U19				c. U11 U11		b. S of 1081	
b. U11 U11				d. U11 U11		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PEN #1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/19/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Cecil Baird Jr</i>		Month Day Year 11/21/88	
Printed/Typed Name CECIL BAIRD JR				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name JEFF HARDING				Signature <i>Jeff Harding</i>		Month Day Year 11/11/88	



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P. O. Box 2063
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D0004279-0-6100188		Manifest Document No. 188		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.						A. State Manifest Document Number FAB 5811643							
4. Generator's Phone 215 535-7222						B. State Gen. ID 19137							
5. Transporter 1 Company Name JOHN FROMMER			6. US EPA ID Number PA-D-008-78-1-0-7-2			C. State Trans. ID PA-AH 100421							
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 215 385-3057							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616						E. State Trans. ID PA-AH							
10. US EPA ID Number 10H-D-0-452-4-37-06						F. Transporter's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. HAZARDOUS WASTE SOLID N.O.S. NA9189 ORM-E L (Soil Contaminated with Tar Decont Sludge from Cooling Operations)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
						001 D 70 0 0 0 1 5 Y K 0 8 7							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State U11 U9		c. Haz. Code Physical State U11 U9		b. Haz. Code Physical State U11 U9		d. Haz. Code Physical State U11 U9		DR1					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 1850AX						26 OCT 5 21 50 SCF CONT							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via			Signature <i>Julie P Via</i>			Month Day Year 11/01/98							
17. Transporter 1 Acknowledgement of Receipt of Materials						18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name LARRY RHODES			Signature <i>Larry Rhodes</i>			Month Day Year 11/01/98							
Printed/Typed Name			Signature			Month Day Year							
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name Dale M Pertner			Signature <i>Dale M Pertner</i>			Month Day Year 11/92/98							



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Response Center (800) 424-9802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.0.0042.79.0.600187		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.				A. State Manifest Document Number PAB 5811632			
4. Generator's Phone 215 535-7222				B. State Gen. ID 19137			
5. Transporter 1 Company Name John PFROMMER		6. US EPA ID Number P.A.D.0.08781.0.7.2		C. State Trans. ID PA-AH 10042			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 215 385-305			
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				E. State Trans. ID PA-AH			
10. US EPA ID Number 10.HD.0.4524.37.06				F. Transporter's Phone ()			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE Solid, N.O.S.				No. Type		14. Unit Wt/Vol	
b. FORM-E NA9189				001 0700.0.15Y		K.08'7	
c. (Soil for Contaminated with Tar Decanter Sludge from Coking Operations)							
d.						27.32 T	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LIT LIS		c. UU UU		e. Scep 2.0.91			
b. UU UU		d. UU UU		f.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN# 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/09/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Bary Puskas</i>		Month Day Year 10/9/88	
Printed/Typed Name BARRY PUSKAS				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name JEFF HARDING				Signature <i>Jeff Harding</i>		Month Day Year 11/20/88	

EPA Form 8700-22 (Rev. 9-86) Previous editions are obsolete



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P. O. Box 2063
Harrisburg, PA 17120

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA D 0 0 0 4 2 7 9 0 6 0 0 1 8 5		2. Page 1 of 7 Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA Coke Co. PHILADELPHIA, PA. RICHMOND & ORTHODOX STS.				A. State Manifest Document Number PAB 5811676	
4. Generator's Phone 215 535-4222 19137				B. State Gen. ID	
5. Transporter 1 Company Name John FROMMER		6. US EPA ID Number PA D 0 0 8 7 8 1 0 7 2		C. State Trans. ID PA-AH 0-0421	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 215 385-3057	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616				E. State Trans. ID PA-AH	
10. US EPA ID Number 10-HA-04524-370-6				F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				12. Containers No. Type	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189				13. Total Quantity 0.010 TP 0.015 YK 0.87	
b. (Soil Contaminated with Tar Decanter Sludge from Cooling Operations)				14. Unit Wt/Vol YK 0.87	
c.				15. Waste No.	
d.					
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code) Hazard Code Physical State				K. Handling Codes for Wastes Listed Above	
a. U19				c. U29 ST	
b. U				d. SOP 2081	
c. U				e. S9100 P.b.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN #1850AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name J. Kueh ANGERMEIER		Signature <i>J. Kueh Angermeier</i>		Month Day Year 11/01/90E	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JAY M Puckan		Signature <i>Jay M Puckan</i>		Month Day Year 11/9/90E	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name JCH HARDING		Signature <i>JCH Harding</i>		Month Day Year 10/02/83	

EPA Form 8700-22 (Rev. 9-86) Previous editions are obsolete



ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. **PAD000427906100184** Manifest No. **00184**

2. Page 1 of Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address

**Philadelphia Coke Co.
Richmond and Orthodox Sts. Philly, PA 19137**

A. State Manifest Document Number
PAB 5811536
B. State Gen. ID

4. Generator's Phone

215 535-7222

5. Transporter 1 Company Name

Continental Vanguard

6. US EPA ID Number
INJD06787514

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
609 931-09

9. Designated Facility Name and Site Address

**Envirosafe Services of OHIO, Inc.
876 Otter Creek Rd.
Oregon, OH 43616**

10. US EPA ID Number
OH0045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID
Not Required

H. Facility's Phone
419 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

**Hazardous Waste Solid N.O.S.
ORM-E NA9189**

12. Containers
No. Type
001 D T 0.0.15 Y K 0.87

b. **(Soil Contaminated with Tar Decanter Sludge from Cooling Operations)**

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

a. **UIT US**

c. **UU UU 28.83 T**

K. Handling Codes for Wastes Listed Above

b. **Scl T D 9 1**

b. **UU UU**

d. **UU UU 57660 P**

15. Special Handling Instructions and Additional Information

This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Julie P Via

Signature
Julie P Via

Month Day Year
11/01/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Rusty Kloske

Signature
Rusty Kloske

Month Day Year
11/01/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
J. H. HADONIC

Signature
J. H. H.

Month Day Year
10/19/88

In case of an emergency or spill immediately call the National Response Center (800) 424-9802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-0035
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAD00042790.6100183		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond and Orthodox Sts. Phil., PA 19137		A. State Manifest Document Number FAB 5811525		B. State Gen. ID	
4. Generator's Phone 215, 535-7222		5. Transporter 1 Company Name Continental Vanguard		C. State Trans. ID PA-AH 101071	
6. US EPA ID Number INJ.D06787514		7. Transporter 2 Company Name		D. Transporter's Phone 609, 931-0750	
8. US EPA ID Number		9. Designated Facility Name and Site Address Envirosafe Services of Ohio, Inc. 876 Otter Creek Road Oregon, OH 43616		E. State Trans. ID PA-AH	
10. US EPA ID Number 10.HD045243706		F. Transporter's Phone		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		H. Facility's Phone 419, 726-1521		I. Waste No.	
a. Hazardous Waste Solid N.O.S. ORM-E NA9189		12. Containers No. Type		13. Total Quantity	
b. (Soil Contaminated with Tar Deanter Sludge from Cooling Operations)		14. Unit Wu/Vol		15. Waste No.	
c.		16. Containers No. Type		17. Total Quantity	
d.		18. Unit Wu/Vol		19. Waste No.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above			
a. LLT LS		b. LL 29.99 T		c. Sept 10 81	
d. LL LS9990 P				d.	
15. Special Handling Instructions and Additional Information This waste is exempt from land disposal restrictions per 40 CFR 268.33 (c) until August 8, 1990. PCN # 1850 AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/01/88	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name David A Smith		Signature <i>David A Smith</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
I Name ST HARDING		Signature <i>ST HARDING</i>		Month Day Year 10 19 89	

ev. 9-86) Previous editions are obsolete



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.O.O.0427906100182		2. Page 1 of 1 information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address: PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS. PHILADELPHIA, PA 19137				A. State Manifest Document Number: FAB 5728181	
4. Generator's Phone (215) 535-7222				B. State Gen. ID	
5. Transporter 1 Company Name: CONTINENTAL VANGUARD		6. US EPA ID Number: N.J.D.O.6787514		C. State Trans. ID: PA-AH 10107	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950	
9. Designated Facility Name and Site Address: ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616				E. State Trans. ID: PA-AH	
10. US EPA ID Number: O.H.D.O.A.S.243706				F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				G. State Facility's ID: Not Required	
12. Containers				H. Facility's Phone (419) 726-1521	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				No. Type Qty Unit Waste No. 0 0 1 DT 0 0 0 1 5 Y K 0 8 7	
b. <i>Soil Contaminated with Tar Decanter Sludge from Coking Operations</i>					
c.					
d.					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. U19		c. U19		a. Sect. 1001	
b. U19		d. U19		b.	
15. Special Handling Instructions and Additional Information: THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 24.31 T 49620 P					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me, which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name: Andrea B. Long			Signature: <i>Andrea B. Long</i>		Month Day Year: 11/08/88
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature: <i>John B. ...</i>		Month Day Year: 11/01/88
Printed/Typed Name: JOHN B. ...			Signature: <i>John B. ...</i>		Month Day Year: 11/01/88
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature:		Month Day Year:
Printed/Typed Name:			Signature:		Month Day Year:
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name: Jeff HARDING			Signature: <i>Jeff H.</i>		Month Day Year: 11/19/88



Bureau of Waste Management
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Harrisburg, PA 17120

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Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.0.0.4.2.7.9.06		Manifest Document # 10018-1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137						A. State Manifest Document Number PAB 5770015		B. State Gen. ID	
4. Generator's Phone (215) 535-7222						C. State Trans. ID PA-AH 0107		D. Transporter's Phone (609) 931-0950	
5. Transporter 1 Company Name CONTINENTAL VANGUARD						6. US EPA ID Number N.D.0.6.7.8.7.5.1.4		E. State Trans. ID PA-AH	
7. Transporter 2 Company Name						8. US EPA ID Number		F. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIRSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616						10. US EPA ID Number L.O.H.D.0.A.5.2.A.1.7.06		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189						No. Type		14. Unit Wt/Vol	
b. (Solid Contaminated with Tar Decanted Sludge from Oiling Operations)						0 0 1 D T		10 0 0 1 9 Y K 0 8 7	
c.									
d.									
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State		c. Haz. Code Physical State		a. Handling Codes		b. Handling Codes			
LRT US		UU UU		DRI		SCF			
b. UU UU		d. UU UU		cut					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 2789T 53780									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me that I can afford.									
Printed/Typed Name J. Kurt Angermeyer				Signature <i>J. Kurt Angermeyer</i>				Month Day Year 11/9/88	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name GLENN D. KLINK				Signature <i>Glenn D. Klink</i>				Month Day Year 11/9/88	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name Dale M. Partner				Signature <i>Dale M. Partner</i>				Month Day Year 1/0/89	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0035
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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA D O O 0 4 2 7 9 0 6 1 0 0 1 8 0**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
FAB 5730001

4. Generator's Phone | 215 | 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N J D 0 6 7 8 7 5 1 4

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
**ENVIOSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
L O H D 0 4 5 2 4 3 7 0 6

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID **Not Required**

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
0 0 1	D T	0 0 0 1 5	Y	K 0 8 7

b. *(Soil Contaminated with Tar Decanter Sludge from Cooling Operations)*

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
L 0 1	L S	L 0 1	L S
L 0 1	L S	L 0 1	L S

K. Handling Codes for Wastes Listed Above

a. **S 0 1 I 0 9 1**

15. Special Handling Instructions and Additional Information

THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

27.12.88 57240 P.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **J. Kurt Angermeyer** Signature: *J. Kurt Angermeyer* Month Day Year: **11/01/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **Alvin J Knapsnyder** Signature: *Alvin J Knapsnyder* Month Day Year: **11/01/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: **Jeff Hardinc** Signature: *Jeff Hardinc* Month Day Year: **10/19/88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-003
Expires 9-30-88

ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P A D 0 0 0 4 2 7 9 0 6**
Manifest Document No. **00-179**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PAB 5729990

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N J D 0 6 7 8 7 5 1 3

C. State Trans. ID
PA-AH 10109

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
O R D 0 4 3 2 4 3 7 0 6

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

0-0-1 D-T 000-15 Y K087

b. *Soil Contaminated with Tar Decanter Sludge from Coking Operations*

GENERATOR

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

a. Haz. Code	b. Physical State	c. Haz. Code	d. Physical State
LIT	US	UU	UU
UU	UU	UU	UU

K. Handling Codes for Wastes Listed Above
a. *Scp TDBI*

15. Special Handling Instructions and Additional Information
M THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 29.23 T 59410 P.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **J. K. ANGELMEIER** Signature *[Signature]* Month Day Year **11/01/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **GEORGE S FOCHTMAN** Signature *[Signature]* Month Day Year **11/01/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name **JOE F HARDING** Signature *[Signature]* Month Day Year **11/01/88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0035
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.O.O.O.4.2.7.9.06** Manifest Document No. **100-178**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PAB 5728030

4. Generator's Phone (215) **535-7222**

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.O.6.7.8.7.5.1.4

B. State Gen. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Trans. ID
PA-AH

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
O.H.D.O.4.5.2.4.3.7.0.6

D. Transporter's Phone (609) **931-0950**
E. State Trans. ID
PA-AH
F. Transporter's Phone
G. State Facility's ID **Not Required**
H. Facility's Phone **419-726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-N NA9189**

No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
0.01	D T	0.0015	Y	K.087

b. *(Soil Contaminated with Tar Decanter Sludge from Coking Operations)*

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
U11	US	U11	US
U11	US	U11	US

K. Handling Codes for Wastes Listed Above
Scp I DSI

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 29.575 59140 P.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
J. K. ANGELMIE

Signature
J. K. Angelmie Month Day Year
11/01/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Rodger Barron

Signature
Rodger Barron Month Day Year
11/01/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
JOHN HADDINC

Signature
John Haddinc Month Day Year
11/01/88



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-0039
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.O.O.O.4.2.7.9.06		Manifest Document No. 100177		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 1937						A. State Manifest Document Number FAB 5772443		B. State Gen. ID	
4. Generator's Phone (215) 535-7222 19137						6. US EPA ID Number N.J.D.O.6.7.8.7.9.1.4		C. State Trans. ID PA-AH 0107	
5. Transporter 1 Company Name CONTINENTAL VANGUARD						8. US EPA ID Number		D. Transporter's Phone (609) 931-0950	
7. Transporter 2 Company Name						10. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616						13. Total Quantity 00015		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189						12. Containers No. Type 001 DT		G. State Facility's ID Not Required	
b. (Soil Contaminated with Tar Decanter Sludge from Coking Operations)						14. Unit Wt/Vol Y		H. Facility's Phone (419) 726-1521	
						15. Waste No. K087			
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State LH LH		c. Haz. Code Physical State LH LH		b. 501 I DSI		d.			
b. LH LH		d. LH LH							
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name SOKRET ANGERMEIER				Signature <i>[Signature]</i>				Month Day Year 11/01/88	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <i>[Signature]</i>			
Printed/Typed Name HENRY TEAT				Signature <i>[Signature]</i>				Month Day Year 11/01/88	
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature <i>[Signature]</i>			
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name JOHN HARDING				Signature <i>[Signature]</i>				Month Day Year 11/01/88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D O O 0 4 2 7 9 0 6 1 0 0 1 7 6		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137				A. State Manifest Document Number PAB 5772421	
4. Generator's Phone 215, 535-7222				B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N T D O 6 7 8 7 5 1 7		C. State Trans. ID PA-AH 10107	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 609 931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD ORECON, OHIO 43616				E. State Trans. ID PA-AH	
10. US EPA ID Number O B D O 4 5 2 4 3 7 0 6				F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				G. State Facility's ID Not Required	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-B NA9189		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
		0.01 DT	0.0015	Y	K087
b. <i>(Soil Contaminated with 1 ac Decanter Sludge from Cooling Operations)</i>					
c.					
d.					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. LIT LLS		c. UU UU		b. Sep 2091	
b. UU UU		d. UU UU		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 26.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 28.78 T 57510 P.					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name J. Kvet ANSERMELEE		Signature <i>[Signature]</i>		Month Day Year 10/17/88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name LARRY K BARWET		Signature <i>[Signature]</i>		Month Day Year 11/9/88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name JEFF HARRISON		Signature <i>[Signature]</i>		Month Day Year 11/19/88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-002
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D O O 0 4 2 7 9 0	Manifest Document No. 100-175	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137				A. State Manifest Document Number PAB 5772432	
4. Generator's Phone (215) 535-7222				B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N J D O 6 7 8 7 5 1 4		C. State Trans. ID PA-AH 0107	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616		10. US EPA ID Number O H D O 4 9 2 4 3 7 0 6		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189		No. Type		14. Unit Wt/Vol	
b. Soil Contaminated with Tar (Decanter Sludge from Cooling Operations)		0 0 1 D T		0 0 0 1 5 Y	
c.					
d.					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 216.95 T 53900 P.		K. Handling Codes for Wastes Listed Above		a. Scl & DBI	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Printed/Typed Name Julie P Via		Signature Julie P Via	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name James M. Emeich		Signature James M. Emeich	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Printed/Typed Name J H HARRISON	
				Signature J H H	
				Month Day Year 11/18/89	



ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D O O O 4 2 7 9 06		Manifest Document No. 100174		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137						A. State Manifest Document Number PAB 5772410		B. State Gen. ID			
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N J D O 6 7 8 7 5 1 4		C. State Trans. ID PA-AH 101671		D. Transporter's Phone (609) 931-0950					
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616		10. US EPA ID Number OH D O 4 5 2 4 3 7 0 6		E. State Trans. ID PA-AH					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189		No. Type		0-0-1 D-T		0-0-0-15		Y K-087					
b. <i>Soil Contaminated with Tar Decanted (Sludge from Cooling Operations)</i>													
c.													
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. <u>LIQ</u> <u>US</u>		c. <u>LIQ</u> <u>LIQ</u>		b. <u>5-0-1-081</u>									
b. <u>LIQ</u> <u>LIQ</u>		d. <u>LIQ</u> <u>LIQ</u>											
15. Special Handling Instructions and Additional Information													
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 11/01/88					
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name NA				Signature NA		Month Day Year 11/01/88			
18. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name BARRY FIRESTONE				Signature <i>Barry Firestone</i>				Month Day Year 10/17/88	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name L H HARDING				Signature <i>L H Harding</i>				Month Day Year 10/19/88					



ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P A D 0 0 0 4 2 7 9 0 6** Manifest Document No. **100173**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PAB 5772454

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N J D 0 6 7 8 7 5 1 4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address.
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
1 0 H D 0 4 5 2 4 3 7 0 6

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (419) 226-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

0 0 1 DT 0 0 0 1 5 Y K 0 8 7

b. *(Soil Contaminated with Tar Decanter Sludge from Coaling Operations)*

c.

d.

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

a. **LM LL**

c. **LM LL**

K. Handling Codes for Wastes Listed Above

a. **Scp, I, D, B, I**

b. **LM LL**

d. **LM LL**

15. Special Handling Instructions and Additional Information

THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AK

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature *Julie P Via* Month Day Year **11/17/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **GEORGE SHIFLETT** Signature *George Shiflett* Month Day Year **11/21/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name **JEFF HARDING** Signature *Jeff Harding* Month Day Year **10/19/89**

Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved,
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Expires 9-30-88

ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.O.O.0.4.2.7.9.06		2. Page 1 of 1 Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137				A. State Manifest Document Number PAB 5728026	
4. Generator's Phone (215) 535-7222				B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.I.D.O.6.7.8.7.5.1.6		C. State Trans. ID PA-AH 10107	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616				E. State Trans. ID PA-AH	
10. US EPA ID Number O.H.D.O.4.5.2.4.3.7.06				F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				No. Type	
b. (Soil Contaminated with tar Decanter Sludge from Cooling Operations)				13. Total Quantity 0.0.1 D.T. 0.0.0.1.5	
c.				14. Unit Wt/Vol Y K 0 8 7	
d.				15. Waste No.	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. Haz. Code Physical State L10 L3		c. Haz. Code Physical State L10 L3		b. 5 of 1001	
b. Haz. Code Physical State L10 L3		d. Haz. Code Physical State L10 L3		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 2809T 56110 P.					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/01/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Month Day Year	
Printed/Typed Name WAYNE GOHN		Signature <i>Wayne Gohn</i>		Month Day Year 11/01/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name Jeff HARDING		Signature <i>Jeff Harding</i>		Month Day Year 11/01/88	



ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

In case of an emergency or spill immediately call the Nat Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D O O 0 4 2 7 9 0 6 1001 71		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137				A. State Manifest Document Number PAB 5728192		B. State Gen. ID	
4. Generator's Phone (215) 535-7222				C. State Trans. ID PA-AH 10107		D. Transporter's Phone (609) 931-0950	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number IN J D O 6 7 8 7 5 1 4		E. State Trans. ID PA-AH		F. Transporter's Phone ()	
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID Not Required		H. Facility's Phone (419) 726-1521	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616				10. US EPA ID Number 1 O H D O 6 5 2 4 3 7 0 6			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				No. Type		14. Unit Wt/Vol	
b. <i>(Soil Contaminated with Tar Decanter Sludge from Coling Operations)</i>				0 0 ID T		0 0 0 1 5 Y	
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LM LS		c. LM LS		e. Sclp x091		d.	
b. LM LS		d. LM LS		f.		g.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 2272T 5540 P							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/01/88	
Printed/Typed Name Donald J Devine				Signature <i>Donald J Devine</i>		Month Day Year 11/01/88	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JEFF HARDING				Signature <i>JEFF HARDING</i>		Month Day Year 10/19/89	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-003
Expires 9-30-88

ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.O.O.O.4.2.7.9.06** *Manifest Document No. 00170*

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PAB 5772336

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.O.6.7.8.7.5.1.4

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
O.H.D.O.4.5.2.4.3.7.06

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		
001	D.T.	00015	Y K087

**HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

*Soil Contaminated with Tar
Decante Sludge from Cooling
Operations*

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
U1	US	U1	US

K. Handling Codes for Wastes Listed Above

S-01 to D-01

15. Special Handling Instructions and Additional Information

THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Julie P Via** Signature: *Julie P Via* Month Day Year: **10/17/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **Donald W. Keam** Signature: *Donald W. Keam* Month Day Year: **10/17/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: **J. H. HARDING** Signature: *J. H. Harding* Month Day Year: **10/19/88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
P.A.D.O.O.O. 4. 2. 7. 9. 0 **000169**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PAB 5772340

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.O.6.7.8.7.5.1.4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
ORECON, OHIO 43616**

10. US EPA ID Number

E. State Trans. ID

PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
13. Total Quantity
14. Unit Wt/Vol
15. Waste No.

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189
Sol Contaminated with Tar Decanter
Sludge from Coking Operations**

0.0. 1 D T 0.0.0.1.5 Y K 0.8.7.

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

Haz. Code Physical State
a. **U1** **U1**
b. **U1** **U1**
c. **U1** **U1**
d. **U1** **U1**

a. **S of 1 DSI**
b.
d.

15. Special Handling Instructions and Additional Information

THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that can afford

Printed/Typed Name **JULIE P Via** Signature **JULIE P Via** Month Day Year **10/17/88**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **DAVID DANIELS** Signature **David Daniels** Month Day Year **11/01/88**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name **J. H. HARDING** Signature **J. H. Harding** Month Day Year **11/17/89**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-00
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.O.O.0427906** Manifest Document No. **001788**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RITCHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PAB 5772281

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.06787514

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
O.H.D.045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**
*Soil Contaminated with Tar Decanter
Sludge from Cooling Operations*

001	DT	00015	Y	K087
..
..
..

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

a. LT US	c. LT US
b. LT US	d. LT US

K. Handling Codes for Wastes Listed Above
Scl J DSI

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 24.19 T 4396 P.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/01/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Alvin J Knopsnyder** Signature **Alvin J Knopsnyder** Month Day Year **11/01/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name **J. H. HARDING** Signature **J. H. H.** Month Day Year **11/01/88**

In case of an emergency or spill, immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.O.O.0.4.2.7.9.0 400167**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PAB 5772351

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.O.6.7.8.7.5.1.4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	Waste No.
No.	Type		
001	DI	0.0015	Y 087

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189
Soil Contaminated with Tar Decanters
Sludge from Coating Operations**

GENERATOR

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
U1	US	U1	US
U1	US	U1	US

K. Handling Codes for Wastes Listed Above

a. **5-elf-081**

15. Special Handling Instructions and Additional information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX
26.19 T 53360 P.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Julie P Via** Signature: *Julie P Via* Month Day Year: **1/9/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **Edward Hale** Signature: *Edward Hale* Month Day Year: **1/9/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest, except as noted in Item 19.
Printed/Typed Name: **H. HARRISON** Signature: *H. HARRISON* Month Day Year: **1/9/88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D 0 0 0 4 2 7 9 0 610-0166		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTBODOX STREETS PHILADELPHIA, PA 19137		A. State Manifest Document Number PA8 5772362		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N J D 0 6 7 8 7 5 1 4		C. State Trans. ID PA-AH 0107	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950		E. State Trans. ID	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616		10. US EPA ID Number OH D 0 4 5 2 4 3 7 0 6		F. Transporter's Phone ()		G. State Facility's ID Not Required	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189 Soil Contaminated with Tar Decanter Sludge from Cooling Operations		No. Type 0 0 1 DT		0 0 0 1 5		Y K 0 8 7	
b.		.		.		.	
c.		.		.		.	
d.		.		.		.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above		a. Sep 10 81		b.	
a. U1 U9		c. U1 U1		d.		.	
b. U1 U1		d. U1 U1		.		.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 25.175 50340 P.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/14/88		17. Transporter 1 Acknowledgement of Receipt of Materials	
Printed/Typed Name GLENN O. KLINK		Signature <i>Glenn O. Klink</i>		Month Day Year 11/11/88		18. Transporter 2 Acknowledgement of Receipt of Materials	
Printed/Typed Name		Signature		Month Day Year		19. Discrepancy Indication Space	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name JCH HARDWIC		Signature <i>JCH</i>		Month Day Year 11/17/88			



Bureau of Waste Management
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D O O O 4 2 7 9 0 6 1 0 0 1 6 5		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137		A. State Manifest Document Number PAB 5772373		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N J D O 6 7 8 7 5 1 6		C. State Trans. ID PA-AH 0:1:07	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616		10. US EPA ID Number 1 0 8 D O 6 5 2 6 3 7 0 6		F. Transporter's Phone ()		G. State Facility's ID Not Required	
				H. Facility's Phone (419) 726-1521			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189 Soil Contaminated with Tar Decanter Sludge from Cooling Operations		No. Type 0.0.1 D.T		0.0015		Y K.087	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above					
a. LLT LL\$		c. LL LL		a. S		b. Scf = 091	
b. LL LL		d. LL LL		b.		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 25 29 T 50550 P							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/17/88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name John BARWART		Signature <i>John Barwart</i>		Month Day Year 11/07/88	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name J + H HARDING		Signature <i>J + H</i>		Month Day Year 10/17/88			



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P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-003
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D O O 0 4 2 7 9 0 6 0 0 1 6 A		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137				A. State Manifest Document Number FAB 5772384	
4. Generator's Phone (215) 535-7222		6. US EPA ID Number N. J. D. 0 6 7 8 7 5 1 4		B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number		C. State Trans. ID PA-AH 0107	
7. Transporter 2 Company Name		10. US EPA ID Number		D. Transporter's Phone (609) 931-0950	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616				E. State Trans. ID PA-AH	
				F. Transporter's Phone ()	
				G. State Facility's ID Not Required	
				H. Facility's Phone (419) 726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189		No. Type		14. Unit Wt/Vol	
		15. Waste No.			
b.		c.		d.	
c.		d.		e.	
d.		e.		f.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above	
a. LTU LLS		c. LU LU 3091T		b. SLD DBI	
b. LU LU		d. LU LU 6180P		d.	
15. Special Handling Instructions and Additional Information					
<p>THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX</p> <p><i>Soil contaminated with tar decanter sludge from coking operations</i></p>					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 1/9/88	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name JAMES M. EMEICK		Signature <i>James M. Emeick</i>		Month Day Year 1/9/88	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name ERRY PICKLE		Signature <i>ERRY PICKLE</i>		Month Day Year 1/1/88	



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P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-002
Expires 9-30-88

ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. *Manifest Document No.*
P A D O O O 4 2 7 9 06 *100163*

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137

A. State Manifest Document Number
PAB 5772395
B. State Gen. ID

4. Generator's Phone (215) 535-7222
5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N J D O 6 7 8 7 5 1 4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616

10. US EPA ID Number
O H D O 4 5 2 4 3 7 0 6

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID Not Required
H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189	0.01	DT	0.0015 Y K087
b.			
c.			
d.			

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
a. U1	US	c. U1	U1
b. U1	U1	d. U1	U1

K. Handling Codes for Wastes Listed Above
3086T
67203

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX
Soil contaminated with tar decantate sludge from coking operations

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that is safe.

Printed/Typed Name: Julie P Via
Signature: *Julie P Via*
Month Day Year: 10/13/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: WAYNE E Gohu
Signature: *Wayne E Gohu*
Month Day Year: 10/13/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: _____
Signature: _____
Month Day Year: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: JERRY PELLE
Signature: *Jerry Pelle*
Month Day Year: 10/14/88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0037
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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
P.A.D.000427906100162

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137

A. State Manifest Document Number
PAB 5772406

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.0678751A

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616

10. US EPA ID Number
O.H.D.045763706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID Not Required

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
13. Total Quantity
14. Unit (Wt/Vol)
15. Waste No.

a. HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189

No.	Type	Total Quantity	Unit (Wt/Vol)	Waste No.
001	DT	00019	Y	K087

b.
c.
d.

No.	Type	Total Quantity	Unit (Wt/Vol)	Waste No.

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
L01	L03	L01	L03
L01	L03	L01	L03

K. Handling Codes for Wastes Listed Above
S, E, D, H

15. Special Handling Instructions and Additional Information

207k contaminated with tar decanter sludge from coking operations
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33(c) UNTIL
AUGUST 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Julie P Via
Signature: Julie P Via
Month Day Year: 1/9/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GEORGE SHIFFLITT
Signature: George Shifflett
Month Day Year: 1/11/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
Printed/Typed Name: JERRY PULLIS
Signature: Jerry Pullis
Month Day Year: 1/11/88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-003
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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
P.A.D.O.O.Q.4.2.7.9.06

Manifest Document No.
00161

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137

A. State Manifest Document Number
PAB 5772292

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.0.6.7.8.7.5.1.4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616

10. US EPA ID Number
O.H.D.0.4.5.2.4.3.7.06

E. State Trans. ID

PA-AH

F. Transporter's Phone ()

G. State Facility's ID Not Required

H. Facility's Phone (619) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189

12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type			
0.01	D.T	0.0015	Y	K087

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

a. Haz. Code Physical State
LIII LII

c. Haz. Code Physical State
LIII LII 2E43T

K. Handling Codes for Wastes Listed Above

a. Self-Dest

b. Haz. Code Physical State
LIII LII

d. Haz. Code Physical State
LIII LII 56860P

15. Special Handling Instructions and Additional Information

Soil contaminated with tar decanter sludge from cooling operations
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR § 268.13 (c) UNTIL
AUGUST 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically and environmentally practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Julie P Via

Signature
Julie P Via

Month Day Year
1/10/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Larry Fiestone

Signature
Larry Fiestone

Month Day Year
1/10/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature
Jeff P... (handwritten)

Signature

Month Day Year
1/10/88



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
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Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.O.O.O.4 2 7 9 06		Manifest Document No. 100160		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name (Mailing Address) PHILADELPHIA COKE CO. RICHMOND ORTHODOX STREETS PHILADELPHIA, PA 19137				A. State Manifest Document Number FAB 5772303			
4. Generator's Phone 215-535-7222				B. State Gen. ID			
5. Transporter 1 Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D.O.6 7 8 7 5 1 4		C. State Trans. ID PA-AH 0107			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. OTTER CREEK ROAD OREGON, OHIO 43616				10. US EPA ID Number O.H.D.O.4 5 2 4 3 7 06		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				12. Containers No. Type 0.0.1 DT		13. Total Quantity 0.0015	
						14. Unit Wt/Vol Y K 0 8 7	
15. Special Handling Instructions and Additional Information SILICA ENCLUSTED WITH TARDICANTER SLUDGE FROM COILING OPERATIONS THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 6, 1990. EPCN 1850AX				K. Hazardous Waste Listed Above Self-Def.			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the most appropriate method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that:							
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>		Month Day Year 11/1/88			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name BARRY BARRON		Signature <i>Barry Barron</i>		Month Day Year 11/9/88			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 15 Printed/Typed Name JERRY PIZLIK							
Signature <i>Jerry Pizlik</i>		Signature <i>Jerry Pizlik</i>		Month Day Year 11/14/88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved,
OMB No. 2050-0031
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.O.O.0.4.2.7.9.0**
Manifest Document No. **900159**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
FAB 5772325

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.O.6.7.8.7.5.1.4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
OH.D.O.4.5.2.4.3.7.0.6

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		
a.	0.0.1D T	0.0.0.1.5	Y K 087.
b.			
c.			
d.			

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

GENERATOR

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code **LIT** Physical State **LS**

Haz. Code **UU** Physical State **2687T**

K. Handling Code for Wastes Listed Above

b. **UU** **UU**

d. **UU** **UU** **5374UP**

a. **081**
b. **U**
d.

15. Special Handling Instructions and Additional Information

Soil contaminated with tar decenter sludge from coking operations
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Julie P Via

Signature
Julie P Via

Month Day Year
11/13/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Mitt Taylor

Signature
Mitt Taylor

Month Day Year
11/13/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
JERRY Pickle

Signature
Jerry Pickle

Month Day Year
11/14/88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D O O O 4 2 7 9 0 6		Manifest Document No. 00158		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.									
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137						A. State Manifest Document Number PAB 5772314		B. State Gen. ID									
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N J D O 6 7 8 7 5 1 4		C. State Trans. ID PA-AH 10107		D. Transporter's Phone (609) 931-0950									
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVROSAPF SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616		10. US EPA ID Number O H D O 4 5 2 4 3 7 0 6		E. State Trans. ID PA-AH									
						F. Transporter's Phone ()		G. State Facility's ID Not Required									
						H. Facility's Phone (419) 726-1521											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
						a.		b.		c.		d.		e.		f.	
						HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189		0-0-1 D T		0-0-0 1 5		Y		K-0 8 7			
						b.		c.		d.		e.		f.			
						c.		d.		e.		f.		g.			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above											
a. LIT L19		c. LIT L19		23.17 T		SOFT DS1											
b. LIT L19		d. LIT L19		46340 P		b.		d.									
15. Special Handling Instructions and Additional Information <i>Soil contaminated with tar decenter sludge from coling operations</i> THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, I am a small quantity generator. I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 11/01/88									
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name John Barr Hunt				Signature <i>John Barr Hunt</i>				Month Day Year 11/01/88					
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																	
Printed/Typed Name JERRY PICKLE				Signature <i>Jerry Pickle</i>				Month Day Year 11/03/88									



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0039
Expires 9-30-88

ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P A D 0 0 0 4 2 7 9 0 6**
Manifest Document No. **0 0 1 5 7**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address

PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS

A. State Manifest Document Number
PAB 5728074

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N J D 0 6 7 8 7 5 1 4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address

ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616

10. US EPA ID Number
O H D 0 4 5 2 4 3 7 0 6

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HAZARDOUS WASTE SOLID N.O.S.
ORI-E NA9189

12. Containers
No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

0.01 D T 0.0015 Y K.087

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

Haz. Code Physical State

a. **U1 U9**

Haz. Code Physical State

c. **U1 U1 2033T**

K. Handling Codes for Wastes Listed Above

b. **Self-081**

b. **U1 U1**

d. **U1 U1 52660P**

15. Special Handling Instructions and Additional Information

Soil contaminated with tardecante sludge from coking operations
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.83 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

Printed/Typed Name
Julie P Via

Signature
Julie P Via

Month Day Year
11/2/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
DAVID DANICKS

Signature
David Danicks

Month Day Year
11/12/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19:

Printed/Typed Name

Jeff P. Pull

Signature

Month Day Year
11/13/88

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-003
Expires 9-30-88

ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PAD0000427906100156**
Manifest Document No. **6100156**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PAB 5728085

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJD06787514

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number

E. State Trans. ID
PA-AH

F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
13. Total Quantity
14. Unit Wt/Vol
15. Waste No.

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

0.01 D 0.0015 Y K087

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

a. **U1 U3**

c. **U1 U1 2693T**

Self 51081

b. **U1 U1**

d. **U1 U1 53860 P**

15. Special Handling Instructions and Additional Information

not contaminated with tar decenter sludge from coling operations
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Julie P Via

Signature
Julie P Via

Month Day Year
11/9/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
George S Fechtman

Signature
George S Fechtman

Month Day Year
11/9/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19/

Printed/Typed Name
JERRY PICKLE

Signature
Jerry Pickle

Month Day Year
11/13/88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.U.O.O.4.2.7.9.0**
Manifest Document No. **900155**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
FAB 5728100

4. Generator's Phone (215) **535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.O.6.7.8.7.5.1.4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) **931-0950**

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
O.H.D.O.4.5.2.4.3.7.06

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (419) **726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
0.0.1	D.T	0.0.0.1.5	Y	K.0.8.7.

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

GENERATOR

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
a. U19	U19	c. U19	U19
b. U19	U19	d. U19	U19

K. Handling Codes for Wastes Listed Above
Self-D

15. Special Handling Instructions and Additional Information
Soil contaminated with the decanter sludge from coling operations
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 185OAX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/01/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Donald W. Keam** Signature **Donald W. Keam** Month Day Year **11/01/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name **James P. Kelly** Signature **James P. Kelly** Month Day Year **10/29/88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-003
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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P-A-D-O-O-0-4-2-7-9-06		Manifest Document No. 100154		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137						A. State Manifest Document Number FAB 5728122		B. State Gen. ID					
4. Generator's Phone (215) 535-7222						C. State Trans. ID PA-AH 0107		D. Transporter's Phone (609) 931-0950					
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number N-J-D-O-6-7-8-7-5-1-4			E. State Trans. ID PA-AH		F. Transporter's Phone ()					
7. Transporter 2 Company Name			8. US EPA ID Number			G. State Facility's ID Not Required		H. Facility's Phone (419) 726-1521					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616						10. US EPA ID Number O-E-D-O-4-5-2-4-3-7-06							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189						No. Type 0 0 1 D.T		0 0 0 1 5		Y		K 0 8 7.	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code LIT		Physical State LS		c. Haz. Code LIT		Physical State LIT		2546		b. Solids DS1		d.	
b. LIT		LIT		d. LIT		LIT		50920P					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX <i>soil contaminated with tardecanter sludge from coloring operations</i>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via						Signature <i>Julie P Via</i>				Month Day Year 11/01/88			
Printed/Typed Name GEORGE SAFFLETT						Signature <i>George Safflett</i>				Month Day Year 11/01/88			
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19													
Printed/Typed Name ERRY PELLE						Signature <i>ERRY PELLE</i>				Month Day Year 11/1/88			



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
P A D 0 0 0 4 2 7 9 0 6 1 0 0 1 5 3

Manifest Document No.

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137

A. State Manifest Document Number
PAB 5728133

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N J D 0 6 7 8 7 5 1 4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616

10. US EPA ID Number

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID Not Required

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

0 0 1 DT 0 0 0 1 5 Y K 0 8 7

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code Physical State

a. LIT LIS

Haz. Code Physical State

c. LIT LIS 2737

K. Handling Codes for Wastes Listed Above

a. Self-Disposal

b. LIT LIS

d. LIT LIS 55940P

15. Special Handling Instructions and Additional Information

THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Julie P Via

Signature

Julie P Via

Month Day Year

1/24/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

WAYNE Gohn

Signature

Wayne Gohn

Month Day Year

11/01/89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

11/01/89

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Jeep Pizelle

Signature

Jeep Pizelle

Month Day Year

10/2/88

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802

FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D O O O A 2 7 9 0 6 1 0 0 1 5 2		Manifest Document No. 100152		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137						A. State Manifest Document Number PAB 5728155							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number N J D O 6 7 8 7 5 1 4			C. State Trans. ID PA-AH 0107							
7. Transporter 2 Company Name						8. US EPA ID Number							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616						10. US EPA ID Number OH D O 4 5 2 4 3 7 0 6							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189						No. 0 0 1		Type D T		0 0 0 1 5		Y K 0 8 7	
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
Haz. Code		Physical State		Haz. Code		Physical State							
a. LT		US		c. U		U		2495 T. Self-Dis					
b. U		U		d. U		U		49900 P.					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX <i>Soil contaminated with the decanter sludge from coling operations</i>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that can afford													
Printed/Typed Name Julie P Via						Signature <i>Julie P Via</i>			Month Day Year 11/01/88				
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name LARRY FIRESTONE						Signature <i>Larry Firestone</i>			Month Day Year 10/11/88				
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature			Month Day Year				
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name JERRY PEEK						Signature <i>Jerry Peek</i>			Month Day Year 10/11/88				



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-003
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P A D . 0 . 0 . 0 . 4 . 2 . 7 . 9 . 2**
Manifest Document No. **10-015-1**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PAB 5728166

4. Generator's Phone (**215**) **535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N J . D . 0 . 6 . 7 . 8 . 7 . 5 . 1 . 4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (**609**) **931-0950**

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number

E. State Trans. ID

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (**619**) **726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		
001	D.T	00015	Y K087

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		
001	D.T	00015	Y K087

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

a. **LIT LIS**

c. **LIT LIS 2707 T**

K. Handling Codes for Wastes Listed Above

b. **LIT LIS**

d. **LIT LIS 54140 ?**

b. **Self-OSI**

15. Special Handling Instructions and Additional Information

THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Julie P Via

Signature
Julie P Via

Month Day Year
11-01-1988

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Edward Hale

Signature
Edward Hale

Month Day Year
11-9-1988

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
Jerry P. Kelly

Signature
Jerry P Kelly

Month Day Year
10-13-89

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.000427906**
Manifest Document No. **100150**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS
PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PAB 5728170
B. State Gen. ID

4. Generator's Phone (215) 535-7222

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

E. State Trans. ID
PA-AH

10. US EPA ID Number
L.O.H.D.045263706

F. Transporter's Phone ()
G. State Facility's ID **Not Required**
H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
001	D.T	00015	Y	K087

b.

c.

d.

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

a. **LOT US**

a. **Self-Dis**

b. **UU UU**

b.

15. Special Handling Instructions and Additional Information
Not contaminated with the deionizer sludge from cooling operations
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX
26.11 T
52220 P

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically and environmentally practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **1-9-1-1988**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **RALPH REIKING** Signature **Ralph Reiking** Month Day Year **1-01-1988**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name **Jerry Pille** Signature **Jerry Pille** Month Day Year **1-09-1988**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. P.A. 00.00.0019.0.6100149		Manifest Document No. 00149		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.				A. State Manifest Document Number PAB 5729581		B. State Gen. ID					
4. Generator's Phone (215) 535-7002 19137				5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N.J.D 06738.7.5.14		C. State Trans. ID PA-AH 01.07			
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 609 931-095		E. State Trans. ID PA-AH			
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK RD OREGON, OHIO 43616				10. US EPA ID Number D.H.D.04.5243.706		F. Transporter's Phone		G. State Facility's ID Not Required			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wu/Vol			
a. HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA 9189				No. Type 0.01 OT		0.0015		Y K 0.87			
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State III III		c. Haz. Code Physical State III III		b. III III		d. III III		III III			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (C) UNTIL AUGUST 8 1990. PCN #1850AX Soil contaminated with the asbestos sludge from cooling operations				16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature Julie P Via		Month Day Year 7.9.1988					
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Charles Baker		Signature Charles Baker		Month Day Year 7.9.1988			
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.				Printed/Typed Name Jerry Pickle		Signature Jerry Pickle		Month Day Year 10/13/88			

In case of an emergency or spill immediately call the National Response Center (800) 424-9802 and the PA DER (717) 787-4343



ER-SWM-51-REV. 6/87.

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.000.042790600148		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA, 19137						A. State Manifest Document Number PAB 5729592		B. State Gen. ID	
4. Generator's Phone (215) 535-7222						6. US EPA ID Number N.J.006-7387514		C. State Trans. ID PA-AH 10107	
5. Transporter 1 Company Name CONTINENTAL VANGUARD						7. Transporter 2 Company Name		D. Transporter's Phone 609 931-0150	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK RD. OREGON, OHIO 43616						10. US EPA ID Number 10.H.0045243706		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID, N.O.S., ORM-E NA 9189						12. Containers No. Type		13. Total Quantity	
						14. Unit Wt/Vol		15. Waste No.	
						0.010 T		00.015 Y K08.7	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above			
a. U11 U19		c. U11 U19 27.4 T		b. Self Disposal		d.			
b. U11 U19		d. U11 U19 5400 P							
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER (Soil contaminated with tar decanter sludge from cooling operations) 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. DCN #1850 AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via		Signature <i>Julie P Via</i>				Month Day Year 1/01/88			
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name Dore Smith		Signature <i>Dore Smith</i>				Month Day Year 11/01/88			
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name		Signature				Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Jerrey Pickle		Signature <i>Jerrey Pickle</i>				Month Day Year 1/1/88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved:
OMB No. 2050-0035
Expires 9-30-88

ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA0000427906100147**
Manifest Document No. **19137**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STS. PHILADELPHIA, PA**

A. State Manifest Document Number
PAB 5729614

4. Generator's Phone **(215) 535-7022**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NI0067387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
609 431-0950

9. Designated Facility Name and Site Address
**ENVIRONMENTAL SERVICES OF OHIO, INC.
876 OTTER CREEK RD
OREGON, OHIO 43616**

10. US EPA ID Number
10.H.O.O.452.437.0.6

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone **719 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		
a.			
b.			
c.			
d.			

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189**

0.010700.15Y K087

b.
c.
d.

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

Haz. Code	Physical State	Haz. Code	Physical State
a. U1	US	c. U1	US
b. U1	US	d. U1	US

**26.67T. Self-D81
53340.**

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER (Soil contaminated with tardecanter sludge from cooling operations) 40 CFR 268.33 (c) UNTIL AUGUST 8 1990 PCN#1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11-01-88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **John Bannhart** Signature **John Bannhart** Month Day Year **11-01-88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name **Jeep Puckle** Signature **Jeep Puckle** Month Day Year **10-11-88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.O.O.O.4.2.7.9.06**
Manifest Document No. **100746**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
PA 5729986

4. Generator's Phone **(215) 535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.O.6.7.8.7.5.1.4

C. State Trans. ID
PA-AH 10107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **(609) 931-0950**

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, IN.
876 CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
OH.D.O.4.5.2.4.3.7.06

E. State Trans. ID
PA-AH

F. Transporter's Phone **(609) 931-0950**

G. State Facility's ID **Not Required**

H. Facility's Phone **(419) 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

13. Total Quantity
14. Unit Wt/Vol
15. Waste No.

b.
c.
d.

0.01	DT	0.0015	Y	K087

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
Hazard Code Physical State
a. **U1 U3**
b. **U1 U1**

K. Handling Codes for Wastes Listed Above
a. **Self T.O.S.**
b.
d.

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850ax
Soil contaminated with the tailwater sludge from cooling operations

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/01/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **HENRY TEAT** Signature **Henry Teat** Month Day Year **11/01/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name **J. H. Haggard** Signature **J. H. Haggard** Month Day Year **11/01/88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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P. O. Box 2063
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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.D.O.O.4.2.7.9.0		Manifest Document No. 100-145		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137				A. State Manifest Document Number PAB 5729905		B. State Gen. ID	
4. Generator's Phone (215) 535-7722				6. US EPA ID Number N.J.D.O.6.7.8.7.5.1.4		C. State Trans. ID PA-AH 0107	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				8. US EPA ID Number		D. Transporter's Phone (609) 931-0950	
7. Transporter 2 Company Name				10. US EPA ID Number		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD ORECON, OHIO 43616				10. US EPA ID Number O.H.D.O.4.5.2.4.3.7.06		F. Transporter's Phone ()	
						G. State Facility's ID Not Required	
						H. Facility's Phone (419) - 726-1521	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189		No. Type 0 0 1 DT		0 0 0 1 5		Y K.O.8.7.	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. Haz. Code Physical State L01 L19		c. Haz. Code Physical State L01 L19		28.7T		S1/S D81	
b. Haz. Code Physical State L01 L19		d. Haz. Code Physical State L01 L19		57400P		b. d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX <i>Soil contaminated with tar deaerter sludge from cooling operations</i>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/9/88	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Rodger Barron				Signature <i>Rodger Barron</i>		Month Day Year 10/10/88	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jerry P. Peltz				Signature <i>Jerry P. Peltz</i>		Month Day Year 11/1/88	



DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-002
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D O O O 4 2 7 9 06		Manifest Document No. 100-144		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137		6. US EPA ID Number N I D O 6 7 8 7 5 1 4		A. State Manifest Document Number PAB 5729931	
4. Generator's Phone (215) 535-7222		7. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number		B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616		10. US EPA ID Number L O H D O A 5 7 4 3 7 06		C. State Trans. ID PA-AH 0107	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189		12. Containers No. Type 0 0 1 DT		13. Total Quantity 0 0 0 1 5		14. Unit Y	
15. Special Handling Instructions and Additional Information Soil contaminated with the tar decenter sludge from cooling operations THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations...		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: Julie P Via Signature: Julie P Via Month Day Year: 11/07/88		K. Handling Codes for Wastes Listed Above a. Self D81	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: Edward Hale Signature: Edward Hale Month Day Year: 11/06/88		19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name: JERRY PELLE Signature: Jerry Pelle Month Day Year: 11/9/88		b. 53060P	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. P.A.D.O.O.O.Q.4.2.7.9.06
Manifest Document No. 106143

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137

A. State Manifest Document Number: FAB 5729942

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N-J-D-O-6-7-8-7-5-1-4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC
876 OTTER CREEK ROAD
OREGON, OHIO 43616

10. US EPA ID Number
O-H-D-O-4-5-2-4-3-7-06

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID Not Required

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a.			
b.	0'0'1 D T	0'0'0 15 Y	K 0 8 7
c.			
d.			

HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA 9189

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

a. Haz. Code Physical State
III III

c. Haz. Code Physical State

2705T

K. Handling Codes for Wastes Listed Above

5111-1281

b. III III

d. III III

54100P

15. Special Handling Instructions and Additional Information

THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

Soil contaminated with tar dioxin sludge from cooling operations

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Julie P Via

Signature
Julie P Via

Month Day Year
11/01/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
DONALD D HORNER

Signature
Donald D. Horner

Month Day Year
11/07/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
Jerry Peckie

Signature
Jerry Peckie

Month Day Year
11/06/88

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA-DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D 0 0 0 4 2 7 9 0 6		Manifest Document No. 00-142		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137						A. State Manifest Document Number PAB 5729953									
4. Generator's Phone (215) 535-7222						B. State Gen. ID									
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number N J D O 6 7 8 7 5 1 4			C. State Trans. ID PA-AH 0107									
7. Transporter 2 Company Name						D. Transporter's Phone (609) 931-0950									
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616						E. State Trans. ID PA-AH									
10. US EPA ID Number OH D O 4 5 2 4 3 7 0 6						F. Transporter's Phone ()									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189						G. State Facility's ID Not Required									
12. Containers						H. Facility's Phone (419) 726-1521									
						No.		Type		13. Total Quantity		14. Unit Wt/Vol		Waste No.	
						0.01		RT		0.0015		Y		K.087	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above									
a. LIT US		c. UU UU		e. 2802T		b. Self									
b. UU UU		d. UU UU		f. 50040P		d.									
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX <i>Sol contaminated with tar decanter sludge from cooling operations</i>															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name Julie P Via					Signature <i>Julie P Via</i>					Month Day Year 11/06/88					
17. Transporter 1 Acknowledgement of Receipt of Materials															
Printed/Typed Name Dennis Deist					Signature <i>Dennis Deist</i>					Month Day Year 11/06/88					
18. Transporter 2 Acknowledgement of Receipt of Materials															
Printed/Typed Name					Signature					Month Day Year					
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.															
Printed/Typed Name Jerry Pickle					Signature <i>Jerry Pickle</i>					Month Day Year 11/07/88					



Bureau of Waste Management
P. O. Box 2063
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Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P A D 0 0 0 4 2 7 9 0 6** Manifest Document No. **0014**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
EAB 5729964

4. Generator's Phone ()

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N J D 0 6 7 8 7 5 1 4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone () **609-931-0950**

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
OH D 0 4 3 2 4 3 7 0 6

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (419) **726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
001	DT	00015	Y	K087

b.

c.

d.

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

a. **III III**

c. **III III 28.25T**

K. Handling Codes for Wastes Listed Above

b. **III III**

d. **III III 56500P**

Self 500

15. Special Handling Instructions and Additional Information

THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

Soil contaminated with tar dewater sludge from coling operations.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Julie P Via

Signature
Julie P Via Month Day Year
11 9 06 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
GEORGE S. FOCHTMAN

Signature
George S. Fochtman Month Day Year
11 01 06 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
Jeery Pelle

Signature
Jeery Pelle Month Day Year
10 7 88

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D O O O 4 2 7 9 06		Manifest Document No. 100140		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137						A. State Manifest Document Number PAB 5729975							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number N J D O 6 7 8 7 5 1 4			C. State Trans. ID PA-AH 0107							
7. Transporter 2 Company Name						D. Transporter's Phone (609) 931-0950							
9. Designated Facility Name and Site Address HE ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616						E. State Trans. ID PA-AH							
10. US EPA ID Number L O H D O 4 5 2 4 3 7 06						F. Transporter's Phone (419) 726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189						No. Type 0 0 1 DT		0 0 0 1 5		Y		K 0 8 7	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State L H L S		c. Haz. Code Physical State L L L L		e.		b. S O J T O D 8 1							
b. L L L L		d. L L L L		f.									
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 2681 T 53120P.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name Julie P Via		Signature Julie P Via		Month Day Year 11 01 88			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Donald W. Ream		Signature Donald W. Ream		Month Day Year 11 01 88			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name Lett HARDWARE						Signature Lett		Month Day Year 11 01 88					



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-003
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. **PAD000427906** Manifest Document No. **100-1-39**

2. Page 1 of Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
Philadelphia Coke Co. PA D000427906
Richmond and Orthodox Sts. Philadelphia PA 19137

A. State Manifest Document Number
PAB 5729533

4. Generator's Phone
215-535-7222

B. State Gen. ID

5. Transporter 1 Company Name
Continental Vanguard

6. US EPA ID Number
IN-JD06787514

C. State Trans. ID
PA-AH 10-10-71

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
(609) 951-0952

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio Inc
876 Otter Creek Rd
Oregon, OH 43616

10. US EPA ID Number
10-HD045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone

G. State Facility's ID
Not Required

H. Facility's Phone
419-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. **Hazardous waste Solid N.O.S.**
ORM-E NA9189

12. Containers

No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
0-01	DT	0.15	Y	K0-87

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
U1	LS	U1	LS

K. Handling Codes for Wastes Listed Above

Self-Disposal

15. Special Handling Instructions and Additional Information
This waste is exempt from land disposal restrictions per 40 CFR 268.33(c) until August 8, 1990. PCN # 1850 AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Julia P Via** Signature: *Julia P Via* Month Day Year: **1/06/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **HENRY TEAT** Signature: *Henry Teat* Month Day Year: **1/06/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: **JERRY PICKLE** Signature: *Jerry Pickle* Month Day Year: **1/06/88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D 0 0 0 4 2 7 9 0 6		Manifest Document No. 100138		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137				A. State Manifest Document Number PAB 5729861		B. State Gen. ID	
4. Generator's Phone 215 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N I D 0 6 7 8 7 5 1 6		C. State Trans. ID PA-AH 101071	
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616		D. Transporter's Phone (609) 931-0950	
9. Designated Facility Name and Site Address		10. US EPA ID Number O H D 0 4 5 2 4 3 7 0 6		E. State Trans. ID PA-AH		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID N.O.S. ORH-E NA9189				No. Type 0 0 1 DT		14. Unit Wt/Vol Y	
b.				15. Waste No. K.O.8.7			
c.							
d.							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. UHT ULS		c. U U		a. EDP			
b. U U		d. U U		b.			
15. Special Handling Instructions and Additional Information <i>Soil contaminated with tar desinter sludge from coking operations</i> THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 2537 T 50746 P							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/05/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name LARRY FIVESTONE		Signature <i>Larry Fivestone</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jerry Pocke				Signature <i>Jerry Pocke</i>		Month Day Year 10/16/88	

REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.000427906100137**
 Manifest Document No.

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137

A. State Manifest Document Number
PAB 5729872
 B. State Gen. ID

4. Generator's Phone (215) 535-7222

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

C. State Trans. ID
PA-AH 10107

6. US EPA ID Number
N.I.D.06787514

7. Transporter 2 Company Name

D. Transporter's Phone (609) 931-0950

8. US EPA ID Number

E. State Trans. ID
PA-AH

9. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO, INC
876 OTTER CREEK ROAD
OREGON, OHIO 43616

F. Transporter's Phone ()
 G. State Facility's ID **Not Required**

10. US EPA ID Number
L.O.H.D.065263706

H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. HAZARDOUS WASTE SOLID N.O.S. ORM -E NA9189	001	DT	00015	Y	K087
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)		K. Handling Codes for Wastes Listed Above	
Haz. Code	Physical State	Haz. Code	Physical State
a. U9	U9	U9	U9
b. U9	U9	U9	U9

Self-D81
 67360 P

15. Special Handling Instructions and Additional Information
Soil contaminated with tar decenter sludge from coling operations.
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature *Julie P Via* Month Day Year **11 00 588**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **LARRY PARSONS** Signature *Larry Parsons* Month Day Year **11 00 588**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
 Printed/Typed Name **Jeely Palk** Signature *Jeely Palk* Month Day Year **10 17 88**

Generator (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D 0 0 0 4 2 7 9 0 6		Manifest Document No. 100136		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.							
		3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137						A. State Manifest Document Number PAB 5729894		B. State Gen. ID					
4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N J D 0 6 7 8 7 5 1 2		C. State Trans. ID PA-AH 10101		D. Transporter's Phone (609) 931-0950							
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616		E. State Trans. ID PA-AH		F. Transporter's Phone ()							
10. US EPA ID Number L O R D O 4 5 2 6 3 7 0 6		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189		12. Containers No. Type 0 0 1 DT		13. Total Quantity 0 0 0 1 5		14. Unit Wt/Vol Y		15. Waste No. K.O.8.7					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above		a. U1 U1		c. U1 U1		a. ELG DSI		b.					
b. U1 U1		d. U1 U1		15. Special Handling Instructions and Additional Information <i>Soil contaminated with tar decenter sludge from cooling operations.</i> THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR (268.33) (c) UNTIL AUGUST 8, 1990. pcn # 1850AX 30.87T 6/180P		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Printed/Typed Name Julie P Via		Signature <i>Julie P. Via</i>		Month Day Year 11/9/88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name GEORGE SHIFFLETT		Signature <i>George Shifflett</i>		Month Day Year 11/25/88		18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Printed/Typed Name Ed Palle		Signature <i>Ed Palle</i>		Month Day Year 1/16/89		FACILITY					



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.O.O.4.2.7.9.06100135		Manifest Document No. 100135		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137						A. State Manifest Document Number PAB 5729846							
4. Generator's Phone (215) 535-7222						B. State Gen. ID							
5. Transporter 1 Company Name CONTINENTAL VANGUARD			6. US EPA ID Number N.J.D.0.6.7.8.7.5.1.4			C. State Trans. ID PA-AH 0107							
7. Transporter 2 Company Name CONTINENTAL VANGUARD			8. US EPA ID Number N-J			D. Transporter's Phone (609 931-0950							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616						E. State Trans. ID PA-AH							
						F. Transporter's Phone ()							
10. US EPA ID Number O.E.D.O.4.5.2.4.3.7.06						G. State Facility's ID Not Required							
						H. Facility's Phone (419) 726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189						No. Type		0.0.1 DT		0.0.0.1.5		Y K.0.8.7	
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State LIT LIS		c. Haz. Code Physical State LIT LIS		b.		d.		J.C.D.S.I					
b.		d.											
15. Special Handling Instructions and Additional Information Soil contaminated with tar decaester sludge from coking operations. THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST *8, 1990. PCN # 1850AX B.36T 50700P.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health available to me and that I can afford.													
Printed/Typed Name JULIE P VIA						Signature Julie P Via			Month Day Year 11/05/88				
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature David Daniels			Month Day Year 11/05/88				
Printed/Typed Name DAVID DANIELS						Signature			Month Day Year				
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature			Month Day Year				
Printed/Typed Name						Signature			Month Day Year				
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name Jerry Pelle						Signature Jerry Pelle			Month Day Year 11/16/88				



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OMB No. 2050-003
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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A.D.O.O.O.42790900134**
Manifest Document No. **900134**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND & ORTHODOX STRRETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number
FAB 5729824

4. Generator's Phone (215) **535-7222**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N.J.D.O.6.7.87514

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) **931-0950**

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
O.H.D.O.4.5.2.4.3.7.9

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone (604) **19-726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

00 DT 0.0015 Y K.0.8.7.

b.

c.

d.

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

K. Handling Codes for Wastes Listed Above

a. **U1 U9**

c. **U1 U9**

a. **Self-DSA**

b. **U1 U9**

d. **U1 U9**

b.

15. Special Handling Instructions and Additional Information
Soil contaminated with tar deacenter sludge from cokeng operations
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX
26.36T 5270P

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
JULIE P VIA

Signature
Julie P Via
Month Day Year
11 9 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Rodger Barron

Signature
Rodger Barron
Month Day Year
11 09 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
JERRY PICKS

Signature
Jerry Picks
Month Day Year
10 16 88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **N J D 0 6 7 8 7 5 1 4** Manifest Document No. **00133**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND, & ORTHODOX STREETS PHILADELPHIA, PA 19137**

A. State Manifest Document Number: **PAB 5729835**

4. Generator's Phone (215) 535-7222

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
N J D 0 6 7 8 7 5 1 4

C. State Trans. ID
PA-AH 0107

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 931-0950

9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK ROAD
OREGON, OHIO 43616**

10. US EPA ID Number
OH D 0 4 5 2 4 3 7 0 6

E. State Trans. ID
PA-AH

F. Transporter's Phone
G. State Facility's ID **Not Required**
H. Facility's Phone (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. **HAZARDOUS WASTE SOLID N.O.S.
ORM-E NA9189**

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

0 0 1 D T 0 0 0 1 5 Y K 0 6 7

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code Physical State
a. **LM LS**
b. **UU UU**
c. **UU UU**
d. **UU UU**

K. Handling Codes for Wastes Listed Above

a. **S, P, D, H**
b.

15. Special Handling Instructions and Additional Information

Waste contaminated in the far distance Sludge from Cooling Operations
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX

26.61T S3200P

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Julie P Via

Signature

Julie P Via

Month Day Year

1/00/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

RALPH REIKING

Signature

Ralph Reiking

Month Day Year

1/90/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

JERRY Palko

Signature

Jerry Palko

Month Day Year

1/16/88

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-003
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P A D 0 0 0 4 2 7 9 0 6 1 0 0 1 3 2		Manifest Document No. 100132		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA 19137				A. State Manifest Document Number PAB 5729850		B. State Gen. ID	
4. Generator's Phone ()		5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number N J D 0 6 7 8 7 5 1 4		C. State Trans. ID PA-AH 0107	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0950		E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK ROAD OREGON, OHIO 43616				10. US EPA ID Number O H D 0 4 5 2 8 3 7 0 6		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID N.O.S. ORM-E NA9189				12. Containers No. Type 9 0 1 DT		13. Total Quantity 0 0 0 1 5	
				14. Unit Wt/Vol Y		15. Waste No. K.O.8.7	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. U1 U9		c. U1 U1		e. Self		d. DS1	
b. U1 U1		d. U1 U1					
15. Special Handling Instructions and Additional Information <i>(Soil contaminated with tar decenter sludge from coloring operations)</i> THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX 3009T 60186 P.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11/05/88	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Donald J Devine				Signature <i>Donald J Devine</i>		Month Day Year 10/25/88	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JERRY Pulte				Signature <i>Jerry Pulte</i>		Month Day Year 11/16/88	



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P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0035
Expires 9-30-88

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Response Center (800) 424-9802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-D000427906100131		Manifest Document No. 100131		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. Philadelphia, PA.						A. State Manifest Document Number PAB 5729544							
4. Generator's Phone (215) 535-7222						B. State Gen. ID 19137							
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number NTD067387514		C. State Trans. ID PA-AH 101071							
7. Transporter 2 Company Name						D. Transporter's Phone (609) 931-0150							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK Rd OREGON, OHIO 43616						E. State Trans. ID PA-AH							
10. US EPA ID Number 10.H.D.O.452437.06						F. Transporter's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA9189						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
						0.010 T		0.0.0.15 Y		K.0.8.7			
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above							
a. U11 U9			c. U11 U11 2527T			b. ELF D.DY			d.				
b. U11 U11			d. U11 U11 S0540P										
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER (Sol contaminated with Tar decanter Sludge from Coking Operations) 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN #1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>				Month Day Year 11/20/88					
Printed/Typed Name DONALD D. HORNER				Signature <i>Donald D Horner</i>				Month Day Year 10/05/88					
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name JERRY PICKLE				Signature <i>Jerry Pickle</i>				Month Day Year 10/6/88					



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0035
Expires 9-30-88

ER-SWM-51:REV. 6/87

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA 000042790600-130**
Manifest Document No.

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address

**Philadelphia Coke Co.
RICHMOND & ORTHODOX STS. Philadelphia, PA.**

4. Generator's Phone

(215) 535-7222

19137

A. State Manifest Document Number
PAB 5729555

B. State Gen. ID

5. Transporter 1 Company Name

CONTINENTAL VANGUARD

6. US EPA ID Number

NJ 00067387514

C. State Trans. ID

PA-AH 01-071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **609 931-0950**

9. Designated Facility Name and Site Address

**ENVIRSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK RD.
OREGON, OHIO 43616**

10. US EPA ID Number

10-HD045243706

E. State Trans. ID

PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone **419 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HAZARDOUS WASTE SOLID, N.O.S.

ORM-E NA 9189

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

001 DT 0.0.0.15 Y K.0.8.7

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code Physical State

Haz. Code Physical State

K. Handling Codes for Wastes Listed Above

a. **U1** **U19**

c. **U1** **U19** **26.65T**

Sell (S.D.S)

b. **U1** **U19**

d. **U1** **U19** **5330A**

U

15. Special Handling Instructions and Additional Information

**THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER
(Soil Contaminated with Tar Diester Sludge from Cooling Operations)
40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN #1850AX**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically and environmentally practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Julie P Via

Signature

Julie P Via

Month Day Year

10 05 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charlie Baker

Signature

Charlie Baker

Month Day Year

10 05 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JERRY PELLE

Signature

Jerry Pelle

Month Day Year

10 06 88

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



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Harrisburg, PA 17120

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OMB No. 2050-0031
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **PA.D0004279.0.10.0129**
Manifest Document No.

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**Philadelphia Coke Co.
RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.**

A. State Manifest Document Number
PAB 5729566

4. Generator's Phone **(215) 535-7222 19137**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
NJ.D067387514

C. State Trans. ID
PA-AH 101-071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **608 931-0950**

9. Designated Facility Name and Site Address:
**ENVIROSAFE SERVICES OF OHIO, INC.,
876 OTTER CREEK RD,
OREGON OHIO 43616**

10. US EPA ID Number
10.H.D.045243706

E. State Trans. ID
PA-AH

F. Transporter's Phone ()

G. State Facility's ID **Not Required**

H. Facility's Phone **419 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

a. **HAZARDOUS WASTE SOLID, N.O.S.
ORM-E NA 9189**

No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
0.01	D.T	000.154	K.08.7	

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
Haz. Code Physical State
a. **U1 U9**
b. **U1 U1**
c. **U1 U1 27.22T**
d. **U1 U1 544U0**

K. Handling Codes for Wastes Listed Above
a. **Self-Dis**
b. **U**

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS (Soil Contaminated with Tar & Grease Sludge from Cooling Operations) PPR 40 CFR 268.33 (C) UNTIL August 8, 1990. PCN #1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **11/05/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Edward Hale** Signature **Edward Hale** Month Day Year **11/05/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name **JERRY PICKLE** Signature **Jerry Pickle** Month Day Year **11/16/88**

Response Center (800) 424-8802 and the PA DER (717) 787-4343
GENERATOR
RECEIVER
FACILITY



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-003
Expires 9-30-88

ER-SWM-51-REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-9802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000127906100128		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Cake Co. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA.		6. US EPA ID Number NJ0067387514		C. State Trans. ID PA-AH 101-071		A. State Manifest Document Number EAB 5729706		B. State Gen. ID	
4. Generator's Phone (215) 535-7222		7. Transporter 1 Company Name CONTINENTAL VANGUARD		8. US EPA ID Number		D. Transporter's Phone 609 931-0950		E. State Trans. ID PA-AH	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK RD. OREGON, OHIO 4306		10. US EPA ID Number 10.A.O.O.4.52.4.37.06		F. Transporter's Phone ()		G. State Facility's ID Not Required	
7. Transporter 2 Company Name		9. Designated Facility Name and Site Address		10. US EPA ID Number		H. Facility's Phone (419) 726-1521			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unk Wt/Vol		1. Waste No.	
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189		No. Type		0.01 OT 0.0.0.157		K08.7			
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)		K. Handling Codes for Wastes Listed Above							
a. U1 U1		c. U1 U1 2819T		b. ELF:081					
b. U1 U1		d. U1 U1 5638UP		b.					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 3, 1990. PCN#1850AX									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11 00 1988			
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Douglas Cochran</i>		Month Day Year 10 29 88			
Printed/Typed Name Douglas Cochran				Signature		Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year			
Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name JERRY PELLE				Signature <i>Jerry Pelle</i>		Month Day Year 11 05 88			



ER-SWM-51:REV. 6/87

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Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA-000-0427906		Manifest Document No. 0-0127		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address Philadelphia Coke Co. Richmond & ORTHODOT STS. Philadelphia, PA.						A. State Manifest Document Number PAB 5729695							
4. Generator's Phone 215 535-7222						B. State Gen. ID 19137							
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number N.J.0-06738-7514		C. State Trans. ID PA-AH 10107							
7. Transporter 2 Company Name CONTINENTAL VANGUARD				8. US EPA ID Number		D. Transporter's Phone 609 931-0950							
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD OREGON, OHIO 43616						E. State Trans. ID PA-AH							
10. US EPA ID Number 10.H.0.0.45.24.706						F. Transporter's Phone 719 726-1521							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA 9189						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
						0.01 D.T		0.00.15 Y		K087			
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Code for Wastes Listed Above							
a. Haz. Code		Physical State		c. Haz. Code		Physical State		b.		d.			
LH		L9		LH		L9		26.68T		EJF		081	
LH		L9		LH		L9		53360P					
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS (Soil contaminated with tar deaerator sludge from colching operations) PER 40 CFR 268.33(c) UNTIL AUGUST 8, 1990. PCN# 1850AX													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Julie P Via						Signature <i>Julie P Via</i>						Month Day Year 11 90 4 88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Ralph R Anderson						Signature <i>Ralph R Anderson</i>						Month Day Year 11 00 48 88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name JERRY RULL						Signature <i>Jerry Rull</i>						Month Day Year 11 05 88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved
OMB No. 2050-0035
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No P.A0000427706100126		Manifest Document No. 0126		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. ARLHMOND & ORTHODOX STS. PHILADELPHIA, PA.						A. State Manifest Document Number PAB 5729570			
4. Generator's Phone 1215 535-7222						B. State Gen. ID 19137			
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number N.J.D067.3875.14		C. State Trans. ID PA-AH 101071			
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 609 931-0950			
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 376 OTTER CREEK RD OREGON, OHIO 43616						10. US EPA ID Number 10.H.D045243706		E. State Facility's ID PA-AH	
						F. Transporter's Phone		G. State Facility's ID Not Required	
						H. Facility's Phone 419 726-1521			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID, N.O.S.						No.		14. Unit Wt/Vol	
b. ORM-E NA 9189						Type		15. Waste No.	
c. ORM-E NA 9189						K087		0010.T0.0.0.1.5 Y K087	
d. ORM-E NA 9189									
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ER-SWM-51-REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA.0.0.0.42790610124		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA. 19137				A. State Manifest Document Number PAB 5729673		B. State Gen. ID	
4. Generator's Phone 215 535-7222				6. US EPA ID Number INJ.0067387514		C. State Trans. ID PA-AH 101.07	
5. Transporter 1 Company Name CONTINENTAL VANGUARD				7. Transporter 2 Company Name		D. Transporter's Phone 609 931-095	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD. OREGON, OHIO 43616				10. US EPA ID Number 1040045243706		E. State Trans. ID PA-AH	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA9189 K087				No. Type		14. Unit Wt/Vol	
				0.01 10.7		0.0.0.15 Y K08.7	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
a. LM US		c. LM US		b. 3007T		d. Self Dis	
b. LM US		d. LM US		b. 60140P		d.	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40CFR 268.33 (c) UNTIL AUGUST 8, 1990. 991 Contaminated with incinerator Tar Sludge from Cooling Operation PCNT# 1850AX							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, backed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Julie P Via				Signature <i>Julie P Via</i>		Month Day Year 11.01.88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Glenn Withem</i>		Month Day Year 11.01.88	
Printed/Typed Name GLENN WITHEM				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name JERRY PILKLE				Signature <i>Jerry Pille</i>		Month Day Year 11.05.88	



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-0031
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **P.A0000427906100123**
Manifest Document No.

2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**Philadelphia Coke Co.
RICHMOND & ORTHODOX STS. Philadelphia, PA.
19137**

A. State Manifest Document Number
PAB 5729651
B. State Gen. ID

4. Generator's Phone **(215) 535-7222**
5. Transporter 1 Company Name
CONTINENTAL VANGUARD
6. US EPA ID Number
N.J.0067387514

C. State Trans. ID
PA-AH 10-1-071
D. Transporter's Phone **(609) 931-0950**

7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK RD
OREGON, OHIO 43616**
10. US EPA ID Number
10-H0045243706

E. State Trans. ID
PA-AH
F. Transporter's Phone ()
G. State Facility's ID
H. Facility's Phone **(419) 726-1521**
Not Required

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA 9189 K087	001	DT	00.015	Y	K-087
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Codes for Wastes Listed Above	
Haz. Code	Physical State	Haz. Code	Physical State
a. U1	LS	c. U1	U1
b. U1	U1	d. U1	U1

15. Special Handling Instructions and Additional Information
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. SOIL CONTAMINATED WITH TAR DECANTER SLUDGE FROM COALING OPERATIONS. PCN # 1850AX

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **1/01/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Charles Baker** Signature **Charles Baker** Month Day Year **1/01/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name **Eery Palle** Signature **Eery Palle** Month Day Year **1/01/88**



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-0039
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906100122		Manifest Document No. 00122		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA						A. State Manifest Document Number FAB 5729684					
4. Generator's Phone (215) 535-7222 19137						B. State Gen. ID					
5. Transporter 1 Company Name CONTINENTAL VANGUARD						6. US EPA ID Number NJD06738514					
7. Transporter 2 Company Name						8. US EPA ID Number					
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK RD OREGON, OHIO 43616						10. US EPA ID Number 10.H.D.04.52437.06					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA 9189 K087 0.01 DT 0.0015 Y K.087						12. Containers		13. Total Quantity		14. Unit Wt/Vol	
						No. Type				Waste No.	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. Haz. Code Physical State		b. Haz. Code Physical State		c. Haz. Code Physical State		d. Haz. Code Physical State		e.		f.	
HT UG		U		U		U		2889T		Self-D81	
U		U		U		U		5780P		U	
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. Soil Contaminated with Inert Tar Sludge from Cooling Operations PCNT# 18SDA											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations... (text continues)											
Printed/Typed Name J. KURT ANGERMEIER						Signature <i>J. Kurt Angermeier</i>			Month Day Year 11 00 1988		
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name GEORGE S FOCHTMAN						Signature <i>George S Fochtmann</i>			Month Day Year 11 01 1988		
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature			Month Day Year		
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name JERRY PICKLE						Signature <i>Jerry Pickle</i>			Month Day Year 11 04 88		



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

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OMB No. 2050-003
Expires 9-30-88

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA0000427906100121		2. Page 1 of 1 Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.				A. State Manifest Document Number PAB 5729662	
4. Generator's Phone (215) 535-7222 19137				B. State Gen. ID	
5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NJ0067387514		C. State Trans. ID PA-AH 101-0-71	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 931-0951	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK RD OREGON, OHIO 43616				E. State Trans. ID PA-AH	
10. US EPA ID Number 10-HD-045-243706				F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID, N.D.S. ORM-E NA 9189				12. Containers No. Type	
				13. Total Quantity	
				14. Unit Wt/Vol	
				15. Waste No.	
				K. Handling Code for Wastes Listed Above	
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)		K. Handling Code for Wastes Listed Above			
a. LM LIS		c. 27.63T.		JF-P81	
b.		d. 55060 P.			
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990 SOIL CONTAMINATED WITH DEANTER TAR SLUDGE FROM COKE OPERATIONS PCN #1850AX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name J. Kurt Angermeyer		Signature <i>J. Kurt Angermeyer</i>		Month Day Year 100388	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name LARRY K BARNETT		Signature <i>Larry K Barnett</i>		Month Day Year 110188	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name JERRY PICKLE		Signature <i>Jerry Pickle</i>		Month Day Year 110488	



Bureau of Waste Management
P. O. Box 2083
Harrisburg, PA 17120

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OMB No. 2050-003
Expires 9-30-88

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA000.4279.06100120		Manifest Document No. 100120		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.													
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS. PHILADELPHIA, PA. 19137						A. State Manifest Document Number FAB 5729603															
4. Generator's Phone 215 1 535-7222						B. State Gen. ID															
5. Transporter 1 Company Name CONTINENTAL VANGUARD				6. US EPA ID Number N.J.067.387514		C. State Trans. ID PA-AH 10-1-0-71															
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 609 931-0950															
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO INC. 876 OTTER CREEK RD DRAGON, OHIO 43616						10. US EPA ID Number 10.H.004.5243706															
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189 K087						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.									
						No. Type		Quantity		Unit Wt/Vol		Waste No.									
b.																					
c.																					
d.																					
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above															
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U11	U19																				
Haz. Code	Physical State																				
U11	U11																				
b. <table border="1"><tr><td>Haz. Code</td><td>Physical State</td></tr><tr><td>U11</td><td>U11</td></tr></table>		Haz. Code	Physical State	U11	U11	d. <table border="1"><tr><td>Haz. Code</td><td>Physical State</td></tr><tr><td>U11</td><td>U11</td></tr></table>		Haz. Code	Physical State	U11	U11										
Haz. Code	Physical State																				
U11	U11																				
Haz. Code	Physical State																				
U11	U11																				
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990 SOL CONTAMINATED WITH DEANTER 2 TON T. SUGAR. PCN # 1850AX TAR SLUDGE FROM COKE OVEN OPERATION																					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																					
Printed/Typed Name JAMES V. HUSTED						Signature <i>James V. Husted</i>			Month Day Year 11 01 1988												
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name RALPH REIKING			Signature <i>Ralph Reiking</i>			Month Day Year 11 01 1988									
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name			Signature			Month Day Year									
19. Discrepancy Indication Space																					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																					
Printed/Typed Name JERRY PICKLE						Signature <i>Jerry Pickle</i>			Month Day Year 10 17 88												



ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 0000 427906100119		Manifest Document No. 19		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.			
3. Generator's Name and Mailing Address PHILADELPHIA COKE CO. RICHMOND & ORTHODOX STS, PHILADELPHIA, PA.						A. State Manifest Document Number FAB 5729640		B. State Gen. ID			
4. Generator's Phone (215) 535-7222						5. Transporter 1 Company Name CONTINENTAL VANGUARD		6. US EPA ID Number NSJ0067387514			
7. Transporter 2 Company Name						8. US EPA ID Number		C. State Trans. ID PA-AH 101071			
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK RD OREGON, OHIO 43616						10. US EPA ID Number 10.HD045243706		D. Transporter's Phone (607) 931-095			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity			
a. HAZARDOUS WASTE SOLID N.O.S.						No. Type		14. Unit Wt/Vol			
b. ORM-E NA 9189						K087		D.O.O.1.5 Y			
c.											
d.											
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)						K. Handling Codes for Wastes Listed Above					
a. LI LIS		c. LI LIS 57400?		b. SI		d.					
b. LI LIS		d. LI LIS 271T									
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. SOIL CONTAMINATED WITH DECANTER TOR SLUDGE FROM COKING OPERATIONS. PAN #1850AX											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name JAMES V. HUSTED		Signature <i>James V. Husted</i>		Month Day Year 11 9 03 88	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Dennis Deist		Signature <i>Dennis Deist</i>		Month Day Year 11 06 31 88	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name JERE P. K...						Signature <i>Jere P. K...</i>		Month Day Year 11 04 88			



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120.

Form approved.
OMB No. 2050-0035
Expires 9-30-88

ER-SWM-51:REV. 6/87

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In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P.A.D.00.04.27.9.06		Manifest Document No. 10.0.1.1.8		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.										
3. Generator's Name and Mailing Address Philadelphia Coke Co. RICHMOND & ORTHODOX STS. Philadelphia, PA.						A. State Manifest Document Number PAB 5729636		B. State Gen. ID										
4. Generator's Phone (215) 535-7222						17137												
5. Transporter 1 Company Name CONTINENTAL VANGUARD						6. US EPA ID Number N.J.D.06.7.3875.1.4		C. State Trans. ID PA-AH 10.1.0.71										
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone (609) 431-0950										
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF OHIO, INC. 876 OTTER CREEK RD. OREGON, OHIO 43616						10. US EPA ID Number 10.H.A.D.45.243.7.06		E. State Trans. ID PA-AH										
						F. Transporter's Phone ()		G. State Facility's ID Not Required										
						H. Facility's Phone (714) 926-1521												
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.						
a. HAZARDOUS WASTE SOLID N.O.S. ORME NA 9189						K081 0.01		D.T.0.0.0.154		Y		K08.7						
b.																		
c.																		
d.																		
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above												
a. Haz. Code		Physical State		c. Haz. Code		Physical State		b.		d.								
LH		LS		LH		LH		S0580P		JF		D81						
LH		LH		LH		LH		25.91T										
15. Special Handling Instructions and Additional Information THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990. PCN # 1850AX SOIL CONTAMINATED WITH DECATER TAR SLAG FROM COKING OPERATIONS																		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																		
Printed/Typed Name JAMES V. HUSTED						Signature <i>James V. Husted</i>			Month Day Year 1 9 0 3 1 8 8									
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name DONALD W. KEANI			Signature <i>Donald W. Keani</i>					Month Day Year 1 0 0 3 1 8 8				
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name			Signature					Month Day Year				
19. Discrepancy Indication Space																		
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																		
Printed/Typed Name JERRY PICKLE						Signature <i>Jerry Pickle</i>			Month Day Year 1 0 5 1 8 8									

EPA Form 8700-22 (Rev. 9-86) Previous editions are obsolete



ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: **PAD00042790610-01-17**
Manifest Document No.

2. Page 1 of 1 Information in the shaded area is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE CO.
RICHMOND FORTHODAX STS. PHILADELPHIA, PA.**

A. State Manifest Document Number
FAB 5729721

4. Generator's Phone **215 535-7222 19137**

B. State Gen. ID

5. Transporter 1 Company Name
CONTINENTAL VANGUARD

6. US EPA ID Number
INJ0067387514

C. State Trans. ID
PA-AH 101071

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **(607) 931-0950**

9. Designated Facility Name and Site Address
**ENVIORSAFE SERVICES OF OHIO, INC.
876 OTTER CREEK
OREGON, OHIO 43616**

10. US EPA ID Number
1040045243706

E. State Trans. ID
PA-AH 101071

F. Transporter's Phone

G. State Facility's ID **Not Required**

H. Facility's Phone **(419) 726-1521**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. **ORM-E NA 91B9
RQ HAZARDOUS WASTE SOLID N.O.S. K087**

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)

Haz. Code	Physical State	Haz. Code	Physical State
U00	US	U00	US
U00	US	U00	US

K. Handling Codes for Wastes Listed Above

SI, DT, PS

15. Special Handling Instructions and Additional Information
**PCN #1850AX
THIS WASTE IS EXEMPT FROM LAND DISPOSAL RESTRICTIONS PER 40 CFR 268.33 (c) UNTIL AUGUST 8, 1990.
SOIL CONTAMINATED WITH DECANTER TAR SLUDGE FROM COOKING OPERATIONS. 5T 61000P**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
JAMES V. HUSTED

Signature
James V. Husted

Month Day Year
11 03 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
CHARLES L GROFF

Signature
Charles L Groff

Month Day Year
11 03 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
JERRY PELLE

Signature
Jerry Pelle

Month Day Year
10 11 88

Response Center (800) 424-8802 and the PA DER (717) 787-4343

In case of an emergency or spill immediately call the No. 800-424-8802

APPENDIX C-4

**Water Disposal Manifests -
Dupont Chambers Works**

TABLE 2

**PHILADELPHIA COKE COMPANY
WATER MANIFEST SUMMARY - FOURTH QUARTER 1988**

<u>Manifest Numbers</u>			<u>Gallons</u>	<u>Estimated Tons</u>	<u>Transporter</u>	
<u>I.D. No.</u>	<u>State No.*</u>	<u>Date</u>			<u>Name</u>	<u>I.D. No.</u>
51	0540266	10/11/88	5400	22.52	Vanguard	NJDEP S-3516
52	0540282	10/11/88	5500	22.94	Vanguard	NJDEP S-3516
53	0540272	10/11/88	5500	22.94	Vanguard	NJDEP S-3516
54	0540283	10/11/88	5500	22.94	Vanguard	NJDEP S-3516
55	0540267	10/11/88	5500	22.94	Vanguard	NJDEP S-3516
56	0540276	10/11/88	5500	22.94	Vanguard	NJDEP S-3516
57	0540268	10/12/88	4500	18.77	Vanguard	NJDEP S-3516
58	0540286	10/12/88	4500	18.77	Vanguard	NJDEP S-3516
59	0540287	10/12/88	5000	20.85	Vanguard	NJDEP S-3516
60	0540284	10/12/88	4500	18.77	Vanguard	NJDEP S-3516
61	0540289	10/13/88	5000	20.85	Vanguard	NJDEP S-3516
62	0540291	10/13/88	5000	20.85	Vanguard	NJDEP S-3516
63	0540288	10/13/88	5500	22.94	Vanguard	NJDEP S-3516
64	0540281	10/13/88	5000	20.85	Vanguard	NJDEP S-3516
65	0540305	10/19/88	5500	22.94	Vanguard	NJDEP S-3516
66	0540306	10/19/88	5000	20.85	Vanguard	NJDEP S-3516
67	0540303	10/19/88	5500	22.94	Vanguard	NJDEP S-3516
68	0540304	10/19/88	5000	20.85	Vanguard	NJDEP S-3516
69	0540307	10/20/88	5500	22.94	Vanguard	NJDEP S-3516
70	0540308	10/20/88	5000	20.85	Vanguard	NJDEP S-3516
71	0540293	10/20/88	5000	20.85	Vanguard	NJDEP S-3516
72	0540294	10/20/88	5000	20.85	Vanguard	NJDEP S-3516
73	0546701	11/01/88	5500	22.94	Vanguard	NJDEP S-3516
74	0546702	11/01/88	5500	22.94	Vanguard	NJDEP S-3516
75	0546704	11/01/88	5000	20.85	Vanguard	NJDEP S-3516
76	0546708	11/03/88	5000	20.85	Vanguard	NJDEP S-3516
77	0546707	11/03/88	5000	20.85	Vanguard	NJDEP S-3516
78	0546706	11/03/88	5000	20.85	Vanguard	NJDEP S-3516
79	0546709	11/02/88	5500	22.94	Vanguard	NJDEP S-3516
80	0546736	11/03/88	5000	20.85	Vanguard	NJDEP S-3516
81	0546731	11/03/88	5000	20.85	Vanguard	NJDEP S-3516
82	0546730	11/03/88	5000	20.85	Vanguard	NJDEP S-3516
83	0546728	11/03/88	2500	10.43	Vanguard	NJDEP S-3516
84	0546737	11/23/88	5500	22.94	Vanguard	NJDEP S-3516
85	0546738	11/23/88	5500	22.94	Vanguard	NJDEP S-3516
86	0546735	11/23/88	5000	20.85	Vanguard	NJDEP S-3516

* Prefaced by "NJA"

2465-086

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

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Form Approved OMB No. 2050-0039 Exp. 10/2

UNIFORM HAZARDOUS WASTE MANIFEST

PA 000042790610172014

2. Page 1 of 1
Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA**

4. Generator's Phone () **215, 535-7222**

5. Transporter 1 Company Name
CONTINENTAL VANGUARD, INC.

6. US EPA ID Number
0101010713071114

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
**E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEEPWATER, NJ 08023**

10. US EPA ID Number
01010102131815171910

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HAZARDOUS WASTE LIQUID, N.O.S.; ORM-E; NA9189 (8087), RQ

12. Containers
No. Type
001 T T

13. Total Quantity
Unit
007

14. Additional Descriptions
**LIVED FROM BRIGHTON
EDGE FROM COAST**

15. Special Handling Instructions and Additional Information
**RQ = 100 LBS.
OH-2415 RELEASE 1 086
SEAL # OWD334865**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, air, or water according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Theresa P. Via** Signature: **Theresa P. Via** Month Day Year: **11/13/86**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **William Ayres** Signature: **William Ayres** Month Day Year: **11/16/86**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest. Accept as noted in item 19.
Printed/Typed Name: **Ron Rouse** Signature: **Ron Rouse** Month Day Year: **11/16/86**

EPA FORM 8700-22 (REV. 3/86) PREVIOUS EDITIONS ARE OBSOLETE.



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-085

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Form Approved: OMB No. 2050-0039. Expires 9-30-

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's Name
PHILADELPHIA COKE
2. Address
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA
3. City, State, ZIP Code
215 535-7222

Information in the shaded areas is not required by Federal law.

4. Generator's Phone No. 215 535-7222

5. Transporter 1 Company Name
CONTINENTAL VANGUARD, INC.

6. US EPA ID Number
NJDP00730733A

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEEPWATER, NJ 08023

10. US EPA ID Number
NJDP002385733

0546738

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HAZARDOUS WASTE LIQUID, N.O.S.; ORX-E; RA9189

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		
001	T	G	K687

GENERATOR

a.
b.
c.
d.

14. Special Handling Instructions and Additional Information
RQ - 100 LBS.
SEAL # DW0334/62
OW-2415
RELEASE 1 085

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: 11/23/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: 11/23/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: 11/23/88

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: L Roncace Signature: [Signature] Month Day Year: 11/23/88

Dept. of Environmental Protection, (609) 292-5560 (Day) (609) 292-7172 (Night)

In case of an emergency or spill immediately call the state toll-free number 1-800-452-6868.



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 02B, Trenton, NJ 08625

2415-084

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Form Approved OMB No. 2050-0039. Exp. 30
Information in the shaded area is not required by Federal law.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator Name and Mailing Address
PICKERILL CORP
RICHMOND & BRIDGECR STS.
PHILADELPHIA, PA

2. Generator's Phone
215 535-7222

3. Transporter 1 Company Name
CONFIDENTIAL VANGUARD, INC.

4. Transporter 1 US EPA ID Number
4 J 9 9 6 7 3 6 7 5 1 4

5. Transporter 2 Company Name

6. Transporter 2 US EPA ID Number

7. Designated Facility Name and Site Address
E.I. DUPONT DE NEMOURS, INC. & CO.
MEMBERS WORKS PLANT - ROUTE 130
PREPWATER, NJ 08023

8. Designated Facility US EPA ID Number
4 J 9 9 2 3 8 5 7 3 0

9. Facility's ID
JA 0546737

10. Facility's Phone
609 729-3000

a.	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Other No.
		No.	Type			
	HAZARDOUS WASTE LIQUID, W.O.S.; ORM-E; NA9189 (K027), KC	001	TI	05500	C	K087
b.						
c.						
d.						

12. Additional Description of Contents
LIVED FROM RECIPIENT'S WORK
UNDER FROM SOLIDIFICATION

15. Special Handling Instructions and Additional Information
RQ = 100 LBS.
SEAL# OWDS34922
OW-2415 RELEASE 1084

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Julie P Via** Signature: *Julie P Via* Month Day Year: **11/23/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **William Ayres** Signature: *William Ayres* Month Day Year: **11/23/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
 Printed/Typed Name: **L Roncace** Signature: *L Roncace* Month Day Year: **11/23/88**

EPA Form 8700-22 (Rev. 3/88) Previous editions are obsolete. 2 - TO BE MAILED TO GENERATOR

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 026, Trenton, NJ 08626

Please type or print in block letters. (Form designed for use on efile (12-pitch) typewriter)

Form Approved OMB No. 2060-0039. Expires 12/31/81

UNIFORM HAZARDOUS WASTE MANIFEST		2. Page #		Information in the shaded area not required by Fed. Regs.	
1. Generator's Name and Address PHILADELPHIA COAL RICHMOND 6 ORTHODOX STS. PHILADELPHIA, PA 215 595-7222		3. Manifest ID No. PA 0000427906		0546/30	
4. Generator's Phone ()		6. US EPA ID Number NJ D 067307514			
5. Transporter 1 Company Name CONTINENTAL VANGUARD, INC.		8. US EPA ID Number			
9. Designated Facility Name and Site Address E. I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DENVER, NJ 08023		10. US EPA ID Number NJ D 002385730			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Containers	13. Total Quantity	14. Unit Wt/Vol	
a. HAZARDOUS WASTE LIQUID, W.G.S.; GRN-E; RA9189		No. Type	05000	G	
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information MW = 100 LBS. SEAL # OWD334872 OR-2415 RELEASE 1 082 RE RECAL TEMP					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name P Via		Signature P Via		Month Day Year 11/03/81	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name ROBERT J. KLEIN		Signature Robert J. Klein		Month Day Year 11/03/81	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19					
Printed/Typed Name		Signature		Month Day Year 11/3/81	



State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

2415-081

Please type or print in block letters. (Form designed for use on 8 1/2 x 11 inch typewriter.)

Form Approved OMB No 2060-0039 Expires 9-30-

UNIFORM HAZARDOUS
 WASTE MANIFEST

Generator's EPA ID No: PA 0000477909
 Manifest No: 02081

Information in the shaded areas is not required by Federal law.

1. Generator's Name and Address
 PHILADELPHIA CORE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA

215 535-7223

4. Generator's Phone ()

5. Transporter 1 Company Name

CONFIDENTIAL VANGUARD, INC.

6. US EPA ID Number

N J D 0 0 7 3 0 7 5 1

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

N.Y. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 DEERPATER, NJ 08023

10. US EPA ID Number

N J D 0 0 7 3 8 5 7

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HAZARDOUS WASTE LIQUID, N.O.S.; ORH-E; RA9189
 (K087), SC

12. Containers

No.

001

Type

T T

13. Total Quantity

05000

14. Unit

G

15. Facility's Phone

215-535-7223

GENERATOR

14. Remarks
 GIVEN FROM DEPARTMENT OF ENVIRONMENTAL PROTECTION
 UNDER FINAL CONTROL OPERATIONS

15. Special Handling Instructions and Additional Information

MS - 100 LBS.

OW-2415

RELEASE 081

SEAL # OWD334923

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Jillie P Via

Signature
Jillie P Via

Month Day Year

11 03 81

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Robert Paul Payne Jr.

Signature

Robert Paul Payne Jr.

Month Day Year

11 03 81

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

2.

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

J P [Signature]

Signature

J P [Signature]

Month Day Year

11 03 81

In case of an emergency or spill immediately call the state the emergency occurred in and the Dept. of Environmental Protection: (609) 292-5560 (Day) (609) 292-7172 (Night)

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

Form Approved OMB No. 2050-0039 Expires

Please type or print in block letters. (Form designed for use on 6 1/2" (12-pitch) typewriter.)

UNIFORM HAZARDOUS
 WASTE MANIFEST

Information in the shaded
 is not required by Federal

1. Generator's Name and Site Address
 PHILADELPHIA COKE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA

4. Generator's Phone (215) 535-7222

5. Transporter 1 Company Name

CONTINENTAL VANGUARD, INC.

6. US EPA ID Number

7 J D Q 0 6 7 3 8 7 5 1 4

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

E. I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 DEEPWATER, NJ 08023

10. US EPA ID Number

N J U 0 0 2 3 8 5 7 3 0

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total Quantity

14. Unit Wt/Vol

GENERATOR

a. HAZARDOUS WASTE LIQUID, R.O.S.; ORN-F; HA9189 (K087), 40

No.

Type

050.00

K087

15. Special Handling Instructions and Additional Information

OH-2615

RELEASE 1 080

SEAL# OWD334875

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Jillie P Via

Signature

Jillie P Via

Month Day Year

11/03/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Robert Paul Payne Jr.

Signature

Robert Paul Payne Jr.

Month Day Year

11/03/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name

Shirley Lee

Signature

Shirley Lee

Month Day Year

11/03/88



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-079

Please type or print in block letters. (Form designed for use on 60 lbs (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039, Expires 9-30-

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator USEPA ID No. 906
P A D P O O A 2 3 3 8 6 1 7 7 7 7

2. Page 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

4. Generator's Phone (215) 535-7222

5. Transporter 1 Company Name
CONTINENTAL VANGUARD, INC.

6. US EPA ID Number
P A D P O O A 2 3 3 8 6 1 7 7 7 7

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEEPWATER, NJ 08023

10. US EPA ID Number
P A D P O O A 2 3 3 8 6 1 7 7 7 7

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers
13. Total Quantity
14. Unit Wt/Vol

No.	Type	Total Quantity	Unit Wt/Vol
a. X	HAZARDOUS WASTE LIQUID, H.O.S.; ORN-E; NA9189 (XC67), RQ	001	IT
b.			
c.			
d.			

15. Special Handling Instructions and Additional Information
RQ = 100 LBS.
OW-2415 RELEASE 1079

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Julie P Via
Signature: Julie P Via
Month Day Year: 11/01/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Signature]
Signature: [Signature]
Month Day Year: 11/01/88

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
Printed/Typed Name: [Signature]
Signature: [Signature]
Month Day Year: 11/01/88

In the event of an emergency or spill immediately call the state (the emergency occurred in and the Dept. of Environmental Protection, (609) 292-5560 (Day) (609) 292-7172 (Night)

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-78

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. P A D 0 0 0 4 3 7 9 0 6

2. Page # 1 Information in the shade not required by 15 01

3. Generator's Name and Mailing Address
PHILADELPHIA COB
RICHMOND & ORTENGREN - N.
PHILADELPHIA, PA

4. Generator's Phone () 215, 533-7222

5. Transporter 1 Company Name
CONTINENTAL VANGUARD, INC.

6. US EPA ID Number
E J D 0 6 7 9 8 7 5 2 4

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEEPWATER, NJ 08023

10. US EPA ID Number
E J D 0 0 2 3 8 5 7 3 0

0546706
215-533-7222

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers 13. Total Quantity 14. Unit Wt/Vol

a. HAZARDOUS WASTE LIQUID, N.O.S.; ORN-E; RA9189 (K007), 60

No. Type 13. Total Quantity 14. Unit Wt/Vol
001 T T 60 0

b.
c.
d.

001 T T 60 0
007

15. Special Handling Instructions and Additional Information
RQ = 100 LBS.

09-2415 RELEASE 1074 SEAL# 0WD334924

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Julie F. Via

Signature
Julie F. Via
Month Day Year
11/03/89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Edward G. Gibson

Signature
Edward G. Gibson
Month Day Year
11/03/89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
Printed/Typed Name
J. Smith

Signature
J. Smith
Month Day Year
11/03/89

EPA Form 5700-22 (Rev. 3/88) Previous editions are obsolete.

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on either 112-pitch typewriter.)

Form Approved OMB No. 2050-0039. Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

Generator USE ONLY
 1. Generator USE ONLY No. 906
 2. Manifest Date 07/11/88

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
**PHILADELPHIA CORE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA**

4. Generator's Phone (215) 535-7222

5. Transporter 1 Company Name
CONTINENTAL VANGUARD, INC.

6. US EPA ID Number
FD0067387514

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
**E.I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 DEERWATER, NJ 08023**

10. US EPA ID Number
NW000238571310

1. Manifest No. **0546707**
 2. Date of Manifest
 3. State Facility's ID
 4. Facility's Phone **609-292-1000**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
 HM

12. Containers

a. **X** HAZARDOUS WASTE LIQUID, N.O.S.; ORM-E; RA9189 (K087), RO

No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Manifest No.
 001 T 0 C K087

b.
 c.
 d.

14. Additional Descriptions for this shipment
**LIVED FROM BATTERY
 OXIDE FROM BATTERY**

15. Special Handling Instructions and Additional Information
**EQ = 100 LBS.
 09-2415 RELEASE 1 077**

***AL# DWD334921**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julia P Via** Signature **Julia P Via** Month Day Year **11/23/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **Edward Gibson** Signature **Edward Gibson** Month Day Year **11/10/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
 Printed/Typed Name Signature Month Day Year

Dept. of Environmental Protection, (609) 292-5500 (Day) (609) 292-7172 (Night)



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on efile (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 10/...

UNIFORM HAZARDOUS
WASTE MANIFEST

U.S. EPA ID No. 906
PA 0000427906 00076

2. Page 1 Information in the shade is not required by F. law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

4. Generator's Phone (215) 335-7222

5. Transporter 1 Company Name CONTINENTAL VANGUARD, INC. US EPA ID Number

6. US EPA ID Number 9067387514

7. Transporter 2 Company Name US EPA ID Number

9. Designated Facility Name and Site Address 10. US EPA ID Number

E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEEPWATER, NJ 08033

10. US EPA ID Number 9067385730

H. Facility's Phone (609) 299-3000

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers 13. Total Quantity 14. Unk. Wt./Vol.

a.	b.	c.	d.	12. Containers		13. Total Quantity	14. Unk. Wt./Vol.
				No.	Type		
	HAZARDOUS WASTE LIQUID, H.C.S.; ORM-E; RA9189 (3087), ...			600	T T		K087

15. Special Handling Instructions and Additional Information

W - 100 LBS.
OR-2415 RELEASE 8076
Seal # OWD 334874

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by 23829 proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Andrew B Long Signature Andrew B Long Month Day Year 11 10 38

17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Edward Johnson Signature Edward Johnson Month Day Year 11 10 38

18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Month Day Year

Vertical text on the left margin: DEPARTMENT OF ENVIRONMENTAL PROTECTION, (609) 292-5500 (Day) (609) 292-7172 (Night)

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

2915-075

Check letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30

HAZARDOUS WASTE MANIFEST 2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

Generator's Name and Address
 1. **ORTHOBOX STG.**
IA, PA
 215 535-7222

Company Name
 6. **AL VANGUARD, INC.**
 US EPA ID Number
 5 J D 0 6 7 3 8 7 9 1 4

Company Name
 8. **AL VANGUARD, INC.**
 US EPA ID Number
 5 J D 0 6 7 3 8 7 9 1 4

Officer's Name and Site Address
 10. **WORKS PLANT - ROUTE 130**
W. J. 08023
 US EPA ID Number
 5 J D 0 9 9 2 3 8 5 7 3 0

Document Number
PA 8846704
 State Facility's ID
PA/11-108

Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit (Wt/Vol)	15. Manifest No.
	No.	Type			
HAZARDOUS WASTE LIQUID, N.O.S.; ORY-ER; NAH100	1	Y			1087

Instructions and Additional Information
RELEASE 1 075
SEAL # UWD334873

CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by me and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway in accordance with applicable international and national government regulations.

As a generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be feasible and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and potential health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the management method that is available to me and that I can afford.

Signature: **Chelle P. Via** Month Day Year: **11/01/88**

Signature: **[Signature]** Month Day Year: **11/01/88**

Signature: _____ Month Day Year: _____

Signature: **L Roncace** Month Day Year: **11/01/88**

SIGNATURE AND INFORMATION MUST BE LEGIBLY PRINTED



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-074

Please type or print in block letters. (Form designed for use on 8 1/2" (12-pin) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-95

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's Name and Mailing Address
PHILADELPHIA COKE
RICHMOND & ORTEGON STS.
PHILADELPHIA, PA
215 535-7222

2. Page 1
Information in the shed is not required by...

Document Number
0546302

3. Generator's Name and Mailing Address

4. Generator's Phone () 215 535-7222

5. Transporter 1 Company Name

CONTINENTAL VANGUARD, INC.

6. US EPA ID Number

8 P P C 6 7 0 0 7 5 A 4

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DELRWARE, DE 19802

10. US EPA ID Number

8 P P C 6 7 0 0 7 5 B 0

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. HAZARDOUS WASTE LIQUID, N.O.S.; ORN-F; RA9189

12. Containers

No. Type

001 T T

13. Total Quantity

Unit

1067

14. Unit Wt/Yr

15. Special Handling Instructions and Additional Information

RM - 100 LBS.

07-2415

RELEASE 1074

SEAL # 0WD334850

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

J. J. ...

Signature

[Signature]

Month Day Year

11/19/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

[Name]

Signature

[Signature]

Month Day Year

11/19/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

[Name]

Signature

[Signature]

Month Day Year

[Date]

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in item 19

Printed/Typed Name

L. RONCAIE

Signature

[Signature]

Month Day Year

11/19/88

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection. (609) 292-5560 (Day) (609) 292-7172 (Night)



State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

415-073

Please type or print in block letters. (Form designed for use on 8 1/2 x 11 inch typewriter.)

Form Approved OMB No. 2060-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. 427906
 Transporter's US EPA ID No. 17101671171511

2. Page 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

PHILADELPHIA COKE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA

4. Generator's Phone () 215 535-7222

5. Transporter 1 Company Name

CONTINENTAL VANGUARD, INC.

6. US EPA ID Number

7. Transporter 2 Company Name

9. Designated Facility Name and Site Address

E. I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLAST - ROUTE 130
 DESPWATER, NJ 08023

10. US EPA ID Number

11. DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. X HAZARDOUS WASTE LIQUID, N.O.S.; ORY-E; NA9189 (R067), R1

12. Containers

No.	Type	13. Total Quantity	14. Unit Wt./Vol.	15. Hazard Class
001	T 7	0.5500	G	R067

14. Additional Description of Contents
 T-1
 WASTE FROM RECASTER TANK
 WASTE FROM COOKING OPERATIONS

15. Special Handling Instructions and Additional Information

RQ - 100 LBS.
 DW-2413
 RELEASE 1073

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this container are just and accurately described above, and are properly classified, packed, marked, and labeled, and are in all respects in proper condition for transport by rail, air, water, or highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Andrew B. Long
 Signature: [Signature]
 Month Day Year: 11/19/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [Signature]
 Signature: [Signature]
 Month Day Year: 11/19/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: [Signature]
 Signature: [Signature]
 Month Day Year: [Signature]

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: [Signature]
 Signature: [Signature]
 Month Day Year: 11/16/88

Dept. of Environmental Protection, (609) 292-5560 (Day) (609) 292-7172 (Night)



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 026, Trenton, NJ 08625

2415-070

Please type or print in block letters. Forms designed for use on 6 1/2" (12-pitch) typewriter.

Form Approved OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's ID No. 7906
Manifest No. P A D 0 0 0 4 2 7 9 0 6 1 1 7 0 0

Page 1 of 1
Information in the shaded area not required by law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

4. Generator's Phone (215) 638-7222

5. Transporter 1 Company Name
CONFIDENTIAL VANGUARD, INC.

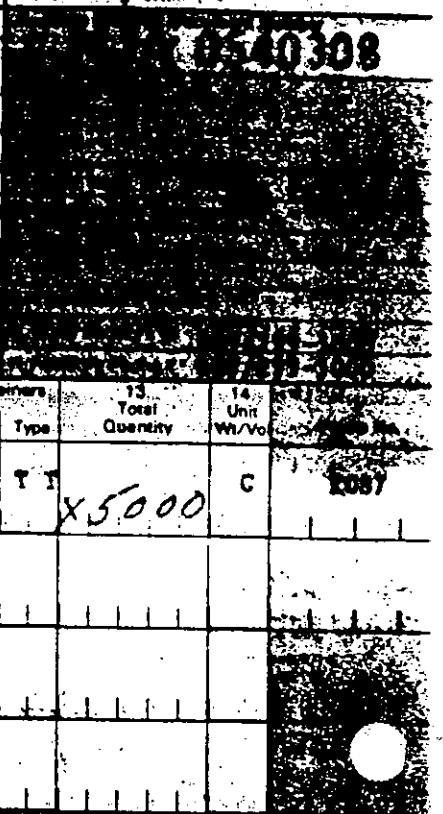
6. US EPA ID Number
NJ D 0 6 7 3 8 7 3 1 4

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
E.L. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 190
DEERWATER, NJ 08023

10. US EPA ID Number
NJ D 0 0 2 3 0 5 7 3 0



0540308

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers
13. Total Quantity
14. Unit Wt/Vol

a. X HAZARDOUS WASTE LIQUID, N.O.S.; ORM-E; HA9189 (2547), 20

No. 001 Type TT Total Quantity x5000 Unit Wt/Vol G

b.

c.

d.

15. Special Handling Instructions and Additional Information

RQ = 100 LBS. *SETL # OND334846*
09-2415 RELEASE 1070

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above in proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name *JULIE P. VIA*

Signature *JULIE P. VIA* Month Day Year *10/20/88*

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name *William Ayres*

Signature *William Ayres* Month Day Year *10/20/88*

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in item 19.

Printed/Typed Name *L. Roncace*

Signature *L. Roncace* Month Day Year *10/20/88*

EPA Form 8700-22 (Rev. 3/88) Previous editions are obsolete. 3 - TED MAIL TO GENERATOR



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

FORM 8700-22 (REV. 3/88)

245-069

Please type or print in block letters. Form designed for use on 8 1/2" (12-pitch) typewriter.

Form Approved OMB No. 2050-0039, Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's Name and Mailing Address
PHILADELPHIA CORE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA
215 535-7222

2. Page 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
PHILADELPHIA CORE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

4. Generator's Phone () 215 535-7222

5. Transporter 1 Company Name
CONFIDENTIAL VANGUARD, INC.

6. US EPA ID Number
NJ D 0 6 7 3 8 7 9 3

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEERWATER, NJ 08023

10. US EPA ID Number
NJ D 0 0 2 3 8 9 7 3

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers
13. Total Quantity
14. Unit Wt/Vol
15. Package No.

No.	Type	Total Quantity	Unit Wt/Vol	Package No.
a. I	HAZARDOUS WASTE LIQUID, N.O.S.; ORM-E; HA9189 (K087), RQ	OC1	TT	K087
b.				
c.				
d.				

14. Special Handling Instructions and Additional Information
RQ = 100 LBS.
CF-2415 RELEASE 1069 SEAL # 0NB3348Y3

15. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION
RQ = 100 LBS.
CF-2415 RELEASE 1069 SEAL # 0NB3348Y3

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.
Printed/Typed Name: Julie P. Via
Signature: Julie P. Via
Month Day Year: 10/20/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: W.H. Johnson
Signature: W.H. Johnson
Month Day Year: 10/20/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: _____
Signature: _____
Month Day Year: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: L. Koncinski
Signature: L. Koncinski
Month Day Year: 10/20/88

In case of an emergency or spill immediately call the state the emergency occurred in and if Dept. of Environmental Protection. (609) 262-5500 (Day) (609) 292-7172 (Night)

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN-028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on a 12-pin dot matrix printer.)

Form Approved: OMB No. 2050-0039 Expires 10-8

UNIFORM HAZARDOUS WASTE MANIFEST		EPA Form 354 (Rev. 1-80)		Page 1 of 1		Information in the shaded area not required by Federal law.	
3. Generator's Name and Mailing Address PHILADELPHIA COKE RICHMOND & ORTHODOX STS. PHILADELPHIA, PA		4. Generator's Phone (215) 535-7222		5. Transporter 1 Company Name CONTINENTAL VANGUARD, INC.		6. US EPA ID Number NJ 12101617131817151116	
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO. CHANGERS WORKS PLANT - ROUTE 130 WILMINGTON, NJ 08023		10. US EPA ID Number	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. 1 HAZARDOUS WASTE LIQUID, F.O.S.; DR-2; NA9169 (3067), 20		300 17		A.S.O.C.E		K057	
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information 20 = 100 LBS. OW-2415 RELEASE 1068 SEAL # OWD 334881							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name: J. Kurt ANGELEMEIER Signature: [Signature] Month Day Year: 11/01/85							
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: CHARLES SAUFER Signature: [Signature] Month Day Year: 11/01/85							
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: [Blank] Signature: [Blank] Month Day Year: [Blank]							
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19 Printed/Typed Name: [Blank] Signature: [Blank] Month Day Year: [Blank]							



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08626

2415-067

Please type or print in block letters. Form designed for use on elite (12-pitch) typewriter.

Form Approved OMB No. 2050-0039 Expires 9-30-8

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. PA10101014371016
Generator's Name and Mailing Address PHILADELPHIA COKE
RICEBOED & ORTHODOX STS.
PHILADELPHIA, PA

2. Page 1
Information in the shaded areas is not required by Federal law.

3. Transporter 1 Company Name CONTINENTAL VANGUARD, INC.
US EPA ID Number EJD059387514

Manifest Document Number JA 0540303

5. Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO.
CHEMICALS WORKS PLANT - ROUTE 130
WILMINGTON, NJ 08023

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 2 3 8 5 7 3 0
HM

a.	b.	c.	d.	12. Containers		13. Total Quantity
				No.	Type	
				5	5	500

14. Additional Descriptions for Hazardous Waste
UNCLASIFIED HAZARDOUS WASTE LIQUID, N.O.S.; ORN-E; NA9189

15. Special Handling Instructions and Additional Information
HQ - 100 LBS.
OH-2415 RELEASE 067 SEAL 000 329882

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this container are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name J. Kurt Angelmeier
Signature [Signature]
Month Day Year 11/01/98

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name W. H. Johnson
Signature [Signature]
Month Day Year 10/19/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest, except as noted in item 19.
Printed/Typed Name L Roncore
Signature [Signature]
Month Day Year 10/19/88

Dept. of Environmental Protection, (609) 292-5560 (Day) (609) 292-7172 (Night)



State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

2415-066

Please type or print in block letters. Form designed for use on citta (12-pin) typewriter.

Form Approved. OMB No. 2050-0039 Exp. 10-15-81

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator US EPA ID No. **ADDD00R71006**
 Manifest Document No. **0540306**

2. Page 1 Information in the shaded area not required by law.

3. Generator's Name and Mailing Address
**PHILADELPHIA CORE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA**

4. Generator's Phone (**215**) **535-7222**

5. Transporter 1 Company Name **CONTINENTAL VANGUARD, INC.** 6. US EPA ID Number **KDD00R71006**

7. Transporter 2 Company Name _____ 8. US EPA ID Number _____

9. Designated Facility Name and Site Address **B.E. DURANT DE MEMOIRS, INC. & CO.
 CRAMPERS WORKS PLANT - ROUTE 130
 USFSAVES, NJ 08078** 10. US EPA ID Number **476600R000066**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
 HM **HAZARDOUS WASTE LIQUID, N.O.S.; ORG-CA 9109**

12. Containers: No. Type 13. Total Quantity 14. Unit Wt./Vol

GENERATOR	a.	b.	c.	d.	12. Containers:		13. Total Quantity	14. Unit Wt./Vol
					No.	Type		
	HAZARDOUS WASTE LIQUID, N.O.S.; ORG-CA 9109				1001		1000	K087

15. Special Handling Instructions and Additional Information
HQ = 100 LBS.

OW-2415 RELEASE: 066 **SEAL** **OWD0304885**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. **23829**

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **J. Van Hagen** Signature **[Signature]** Month Day Year **11/19/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **Charles S. Ford** Signature **[Signature]** Month Day Year **11/19/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
 Printed/Typed Name **L. Roncace** Signature **[Signature]** Month Day Year **11/19/88**

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

2415-065

Please type or print in block letters. Form designed for use on a 12-pin dot matrix printer.

Form Approved OMB No. 2050-0029 Expires 9-30

UNIFORM HAZARDOUS WASTE MANIFEST

3. Generator's Name and Mailing Address

PHILADELPHIA COKE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA

4. Generator's Phone () 215 535-7228

5. Transporter 1 Company Name

CONTINENTAL VANGUARD, INC.

7. Transporter 2 Company Name

9. Designated Facility Name and Site Address

E. I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 WEAHATON, NJ 08025

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM
 a. HAZARDOUS WASTE LIQUID, I.C.S.; OR-7; 689149

12. Containers

No.	Type	Total Quantity	Unit	Wt/Vol	Waste No.
001	D	15500			K087

14. Additional Instructions for Receiver (Shaded Area)

15. Special Handling Instructions and Additional Information

RQ = 100 LBS.
 02-2415 RELEASE 1065 SEAL* 040337884

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: J. Kurt Angermeyer Signature: [Signature] Month Day Year: 11/01/98

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: W. H. Johnson Signature: [Signature] Month Day Year: 11/01/98

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: [Blank] Signature: [Blank] Month Day Year: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name: L. Kowacek Signature: [Signature] Month Day Year: 11/01/98

Dept. of Environmental Protection. (609) 292-5560 (Day) (609) 292-7172 (Night)

In an emergency or spill immediately call the state the emergency occurred in and the

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

POSTAL AUTHORITY

204

Please type or print in block letters. (Form designed for use on other (13-digit) generator.)

Form Approved OMB No. 2000-0025, Expires 03-30-99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's Name and Mailing Address
 PHILADELPHIA COKE
 RICHMOND & ORTHOGON STS.
 PHILADELPHIA, PA

2. Generator's Name and Mailing Address
 PHILADELPHIA COKE
 RICHMOND & ORTHOGON STS.
 PHILADELPHIA, PA

4. Generator's Phone (215) 535-7222

3. Transporter 1 Company Name
 CONTINENTAL VANGUARD, INC.
 5. US EPA ID Number
 NJ 101617131719116

6. Designated Facility Name and Site Address
 B.I. DUPONT DE BEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 DEERWATER, NJ 08023
 7. US EPA ID Number
 NJ 101012131815171910

0540281

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
 HM

12. Containers No.	13. Type	14. Total Quantity	15. Unit Wt/Vol	16. Hazardous Waste	
				Code	Quantity
001	T T	250.00	G	HAZARDOUS WASTE LIQUIDS, N.O.S.; ORN-E; RA9189 (K057), RQ	

10. Special Handling Instructions and Additional Information
 RQ - 100 LBS.
 RELEASE 064

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Julie P Via
 Signature: Julie P Via
 Month Day Year: 10/13/88

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: ROBERT J. KLEIN
 Signature: Robert J. Klein
 Month Day Year: 10/13/88

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: _____
 Signature: _____
 Month Day Year: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
 Printed/Typed Name: _____
 Signature: _____
 Month Day Year: _____

EPA Form 6700-22 (Rev. 3/88) Previous editions are obsolete.

3 - TSD MAIL TO GENERATOR

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN.028, Trenton, NJ 08625

MOI TAIRD 24-01-24-80

Please type or print in block letters. (Form designed for use on site (12-patch) typewriter.)

Form Approved: OMB No. 2060-0033; Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

Information in the shaded areas is not required by Federal law.

1. Generator's Name and Mailing Address
 PHILADELPHIA COKE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA

4. Generator's Phone (215) 535-7222

5. Transporter 1 Company Name

US EPA ID Number

CONTINENTAL VANGUARD, INC.

7. Transporter 2 Company Name

US EPA ID Number

9. Designated Facility Name and Site Address

10.

US EPA ID Number

E.I. DUPONT DE NEMOURS, INC. & CO.
 GRANBERG WORKS PLANT - ROUTE 130
 DEERPARKE, NJ 08023

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
 HM

12. Containers

13. Total Quantity

14. Unit Wt./Vol.

a.	HAZARDOUS WASTE ENCLD, H.O.S.; ORH-E; RA3188 (K057), RC	12. Containers		13. Total Quantity	14. Unit Wt./Vol.
		No.	Type		
		001	T	0.5500	KG
b.					
c.					
d.					

16. Special Handling Instructions and Additional Information

RQ - 100 LBS.

ON-2415

RELEASE 1089

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport in accordance with applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

THILL P. Via

Signature

THILL P. Via

Month Day Year
10 1 388

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MORRILL HOUSE

Signature

MORRILL HOUSE

Month Day Year
10 1 388

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

J. W. H. H. H.

Signature

J. W. H. H. H.

Month Day Year
NOV 3 1988

Dept. of Environmental Protection, (609) 292-5500 (Day) (609) 292-7172 (Night)

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 026, Trenton, NJ 08625

2415-61
 Form Approved OMB No. 2050-0039 Expires 9-30

Please type or print in black letters. (Form designed for use on 6 1/2 (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

3. Generator's Name and Mailing Address
**PHILADELPHIA COKE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA**

4. Generator's Phone (**215**) **935-7222**

5. Transporter 1 Company Name
CONTINENTAL VANGUARD, INC.

6. US EPA ID Number
11171010121318191714

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
**E.I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 DEERWATER, NJ 08023**

10. US EPA ID Number

2. Page 1 of 1
 Information in the shaded areas is not required by Federal Regulations.

10540289

GENERATOR	a	b	c	d	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers			
					HM	No.	Type	Total Quantity	Unit	Weight	Volume	Other	
	X				HAZARDOUS WASTE LIQUID, N.O.S.; ORN-B; NA9189 (K067), EQ	001	T T	1000	G				K067

15. Special Handling Instructions and Additional Information
EQ - 100 LBS.
RELEASE

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by rail according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated by the process I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available that minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Julie P. Via** Signature: *Julie P. Via* Month Day Year: **10/13/89**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **ROBERT J. KLEIN** Signature: *Robert J. Klein* Month Day Year: **10/13/89**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest, except as noted on lines 19.
 Printed/Typed Name: Signature: Month Day Year:

In case of an emergency or spill immediately call the state the emergency occurred in and Dept. of Environmental Protection. (609) 292-5600 (Day) (609) 292-7172 (Night)

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

GENERAL INFORMATION

2-115
 000

Please type or print in block letters. (Form designed for use on file (12-stick) typewriter.)

Form Approved, OMB No. 2050-0009, Expires 12-31-81

UNIFORM HAZARDOUS WASTE MANIFEST

HAZARDOUS WASTE ID NO. 740099427894

Manifest No. 0540284

1. Generator Name and Mailing Address
 PHILADELPHIA COKE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA

4. Generator's Phone 215 335-7222

5. Transporter 1 Company Name CONTINENTAL VANGUARD, INC. US EPA ID Number 410067387319

7. Transporter 2 Company Name US EPA ID Number

9. Designated Facility Name and Site Address
 E.I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 DEERWATER, NJ 08023
 10. US EPA ID Number 410067387319

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
 HM

12. Containers	No.	Type	Total Quantity	Unit Wt./Vol.
a.	001	T	145.00	C
b.				
c.				
d.				

HAZARDOUS WASTE LIQUID, H.O.S.; ORM-E; HA9189

15. Special Handling Instructions and Additional Information
 RT - 100 LBS. SENT BY OWD 334-836

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Julie P. Via Signature: Julie P. Via Month Day Year: 10/28

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: ARNOLD P. LEFKOWITZ Signature: ARNOLD P. LEFKOWITZ Month Day Year: 10/28/86

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
 Printed/Typed Name: J. Whelan Signature: J. Whelan Month Day Year: 11/01/1986

EPA Form 8700-22 (Rev. 3/86) Previous editions are obsolete.

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 026, Trenton, NJ 08625

MOFAMR011-24-3450
 2415
 058

Please type or print in block letters. (Form designed for use on 6 1/2 (12-pitch) typewriter.) Form Approved OMB No. 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's Name and Mailing Address
 PHILADELPHIA COKE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA
 2. Phone ()
 3. EPA ID Number
 PA 00000000000000000000000000000000

4. Information in the shade is not required by 175 21

0540286

3. Generator's Name and Mailing Address
 PHILADELPHIA COKE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA
 4. Generator's Phone () 215 535-7222

5. Transporter 1 Company Name
 CONFIDENTIAL VANGUARD, INC.
 6. US EPA ID Number
 NJ 00000000000000000000000000000000

7. Transporter 2 Company Name
 8. US EPA ID Number

9. Designated Facility Name and Site Address
 E.I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 DEERHATER, NJ 08023
 10. US EPA ID Number
 NJ 00000000000000000000000000000000

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt./Vol.
	No.	Type		
a. HAZARDOUS WASTE LIQUID, H.O.S.; ORM-E; NA9189 (3027); RC	001	T T	0.4500	G
b.				
c.				
d.				

16. Special Handling Instructions and Additional Information
 HQ - 100 LBS.
 OR-2415
 RELEASE #058
 SEAL # QWD334876

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this assignment are fully and accurately described by the proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by air, sea, or land according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.
 Printed/Typed Name: Julie P. Via
 Signature: Julie P. Via
 Month Day Year: 10/12/81

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Arnold R. Jenkins
 Signature: Arnold R. Jenkins
 Month Day Year: 11/13/81

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: _____
 Signature: _____
 Month Day Year: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
 Printed/Typed Name: J. Whelan
 Signature: J. Whelan
 Month Day Year: 11/01/81

EPA Form 8700-22 (Rev. 3/88) Previous editions are obsolete. EPA, an environmental protection, (DUR) 242-500 (Day) (006) 242-7172 (Night)

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CHEESE, Division, NJ 08025

2485-1

Please type or print in block letters. Manifest designed for use on title of EPA Form 8700-22

Form Approved Under the Paperwork Reduction Project

UNIFORM HAZARDOUS WASTE MANIFEST

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00

0540288

3. Generator's Name and Mailing Address

PHILADELPHIA CORP.
 RICHMOND & ORIENTAL STS.
 PHILADELPHIA, PA

4. Generator's Phone

215 535-7222

5. Transporter 1 Company Name

CONTINENTAL VANGUARD, INC.

6. US EPA ID Number

F 7 P 9 6 7 3 8 7 8 1

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

E. I. DUPONT DE NEMOURS, INC. & CO.
 CHEMISTERS WORKS PLANT - ROUTE 130
 WILMINGTON, NJ 08023

10. US EPA ID Number

I H U D P 9 6 7 3 8 7 8 1

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

12. Containers

No.

Type

13. Total Quantity

Unit

WL/No

a.

ACADEMIC WASTE LIQUID, N.C.S.; OSM-E; RA9159

601

PT

04500

b.

c.

d.

15. Special Handling Instructions and Additional Information

HQ - 100 LBS.

SEAL # OWD 334-800

OR-2413

RELEAS 1.057

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

[Signature]

Signature

[Signature] P Via

Month Day Year

10/12/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

AROLD P. Jenkins

Signature

[Signature]

Month Day Year

10/20/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator, Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name

[Signature]

Signature

[Signature]

Month Day Year

10/12/88

Dept. of Environmental Protection, (609) 292-5560 (Day) (609) 292-7172 (Night)

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

GENERAL INFORMATION 2415
 056

Please type or print in block letters. (Each designed for use on 8 1/2 (12-pin) typewriter.)

Form Approved OMB No. 2000-0002 Supp. 30-

UNIFORM HAZARDOUS WASTE MANIFEST

PHILADELPHIA, PA
 RICHMOND & CANTON STS.
 PHILADELPHIA, PA

715, 535-7272

0540276

4. Generator's Phone

5. Transporter 1 Company Name
 CONTINENTAL VANGUARD, INC.

US EPA ID Number

N J 000 9 7 3 8 7 3 1 6

7. Transporter 2 Company Name

US EPA ID Number

9. Designated Facility Name and Site Address

F. I. DUPONT DE NEBOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 DEERPATER, NJ 08023

10. US EPA ID Number

1 3 J B 0 0 2 3 0 5 7 3 0

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
 HM

12. Containers

13. Total Quantity

14. Unit

15. Unit

GENERATOR

a. HAZARDOUS WASTE LIQUID, N.O.S.; ORM-R; RA9169 (1097), 29

No.

Type

05500

Unit

ED67

16. Special Handling Instructions and Additional Information

EQ - 100 LBS.

SEAL # 0N6334878

09-2415

RELEASE 1/5/86

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day Year

JULIE P VIA

JULIE P VIA

10/1/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

MARSHALL M... 10/1/88

MARSHALL M...

10/1/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name

Signature

Month Day Year

J. WHITMAN

J. WHITMAN

11/11/88

2415
055

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CM-026, Trenton, NJ 08625

Please type or print in block letters. Form designed for use on office (12 pin) typewriter.

Form Approved OMB No. 2060-0033 Expires 9-30-91

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's Name and Site Address
PHILADELPHIA COKE
RICHMOND & CRITCHFIELD STS.
PHILADELPHIA, PA

4. Generator's Phone (215) 535-7272

5. Transporter 1 Company Name
CONFIDENTIAL VANGUARD, INC. US EPA ID Number

7. Transporter 2 Company Name
US EPA ID Number

9. Designated Facility Name and Site Address
E. I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEERPATER, NJ 08023 US EPA ID Number

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers
13. Total Quantity
14. Unit Wt/Vol
15. Manifest No.

a. HAZARDOUS WASTE LIQUID, N.O.S.; ORM-R; MA9189 (K037), 30

No. Type Quantity Unit Wt/Vol Manifest No.
001 T 055000 K087

15. Special Handling Instructions and Additional Information
RQ = 100 LBS. SEAL # OWD334877
04-2415 RELEASE 1 055

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by motor vehicle according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Signature Month Day Year
Julie P Via Julie P Via 10/11/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year
W. H. Johnson W. H. Johnson 10/11/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name Signature Month Day Year
T. Whelan T. Whelan 10/11/88

Dept. of Environmental Protection, (609) 292-5660 (Day) (609) 292-7172 (Night)

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 026, Trenton, NJ 08626

UNIFORM HAZARDOUS WASTE MANIFEST

2415
 031

Please type or print in block letters. (Form designed for use on file (12-2490) typewriter.)

Form Approved OMB No. 2060-0039. Expires 1-30-8

UNIFORM HAZARDOUS WASTE MANIFEST

0540283

3. Generator's Name
 CONTINENTAL VINEYARD, INC.

4. Generator's Phone
 908-473-7111

5. Transporter 1 Company Name
 CONTINENTAL VINEYARD, INC.

6. Transporter 1 US EPA ID Number
 NJ0000000000

7. Transporter 2 Company Name

8. Transporter 2 US EPA ID Number

9. Designated Facility Name and Site Address
 E. I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 DEERWATER, NJ 08023

10. Designated Facility US EPA ID Number
 NJ0000000000

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
 HM

HAZARDOUS WASTE LIQUID, N.O.S.; ORM-B; NA9189 (9087), SQ

12. Containers
 No. Type
 05300

13. Total Quantity
 05300

14. Unit (kg/Lb)
 G

15. Special Handling Instructions and Additional Information
 RQ - 100 LBS.
 OW-2415 RELEASE 1054

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
 Julie P Via

Signature
 Julie P Via

Month Day Year
 10/11/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
 MORRIS MORRIS

Signature
 MORRIS MORRIS

Month Day Year
 10/11/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name
 J. White

Signature
 J. White

Month Day Year
 10/11/88

EPA Form 8700-22 (Rev. 3/88) Previous editions are obsolete. An environmental protection. (504) 292-5560 (Day) (609) 282-7172 (Night)



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08628

2415
-053

Please type or print in black letters. (Form designed for use on elite (12-pin) typewriter.)

Form Approved, OMB No. 2060-0039, Expires 9-30-84

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's Name and Mailing Address
PHILADELPHIA CORP
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

4. Generator's Phone: 215 595-7222

5. Transporter 1 Company Name: CONTINENTAL VANGUARD, INC.
6. US EPA ID Number: H 000 057 8 8 7 7 1 1

7. Transporter 2 Company Name: _____
8. US EPA ID Number: _____

9. Designated Facility Name and Site Address: E. I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DEERPARTE, NJ 08023
10. US EPA ID Number: H U D D 0 0 2 0 0 0 0 0 0 0

2. Facility Name and Address: _____
3. Facility Phone: _____
Information in the shaded areas is not required by Federal Regulations.

0510232

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit (Unit Wt/Vol)
	No.	Type		
a. HAZARDOUS WASTE LIQUID, H.O.S.; ORM-B; NA9189 (2057), 20	001	T T	0.5500	G
b. _____				
c. _____				
d. _____				

15. Special Handling Instructions and Additional Information
RQ - 100 LBS. SEAL # OWD334843
OW-2415 RELEASE 1053

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Julie P. Via
Signature: Julie P. Via
Month Day Year: JAN 1988

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: W. H. JOHNSON
Signature: W. H. Johnson
Month Day Year: 12/1/88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: _____
Signature: _____
Month Day Year: _____

18. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted on item 19.
Printed/Typed Name: J. Whelan
Signature: J. Whelan
Month Day Year: 11/01/88

EPA Form 8700-22 (Rev. 3/88) Previous editions are obsolete. Dept. of Environmental Protection, (609) 292-5560 (Day), (609) 292-7172 (Night)

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-57

Please type or print in block letters. Form designed for use on site (12-Pick) operations.

Form Approved: OMB No. 2000-0039. Expires 3-30-

UNIFORM HAZARDOUS
WASTE MANIFEST

Information on the shade
of this form is not required by 1
16
21

3. Generator's Name and Mailing Address

PHILADELPHIA COCA
COLA
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

4. Generator's Phone (215) 595-7722

5. (Transporter 1) Company Name

CONTINENTAL VANGUARD, INC.

6. US EPA ID Number

N J D 0 6 7 5 8 7 3 1 4

7. (Transporter 2) Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

E. I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEFWATER, NJ 08023

10. US EPA ID Number

N J D 1 0 1 0 1 2 1 8 1 5 7 1 3 1 0

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt./Vol.

a. 7. HAZARDOUS WASTE LIQUID, N.O.S.; ORH-2; NA9189
(K087), R

903

T I

0.5500

K087

15. Special Handling Instructions and Additional Information

RQ - 100 LBS.

SEAL # OWD334845

OW-1415

RELEASE # 052

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Jube P Via

Signature

Month Day Year
10/1/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MORRIS MORSE

Signature

Month Day Year
10/1/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name

J. J. K.

Signature

Month Day Year
10/1/88

2025 RELEASE UNDER E.O. 14176

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08626

2475-51

Please type or print in block letters. (Form designed for use on office (12-pin) typewriter.)

Form Approved: OMB No. 2050-0033. Expires 9-30-90

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. **PA 000 004 1 2 9 5 4 0 2 6 6**

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
**PHILADELPHIA CORE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA**

4. Generator's Phone (**215**) **335-7222**

5. Transporter 1 Company Name **CONTINENTAL WAREHOUSE, INC.** 6. US EPA ID Number

7. Transporter 2 Company Name 8. US EPA ID Number

9. Designated Facility Name and Site Address 10. US EPA ID Number

**E.I. DUPONT DE WEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DELFACUS, NJ 08023**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

a.	b.	c.	12. Containers		13. Total Quantity	14. Unit Wt./Vol.
			No.	Type		
			011	T	05400	KG

15. Special Handling Instructions and Additional Information
RQ - 100 LBS. 07-2A15 RELEASE 8051
OWD 334844

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport, in accordance with applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Julie P Via** Signature **Julie P Via** Month Day Year **10/11/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **W.A. Johnson** Signature **W.A. Johnson** Month Day Year **10/11/88**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name **J.P. K...** Signature **J.P. K...** Month Day Year **10/11/88**

Dept. of Environmental Protection, (800) 292-5560 (Day) (800) 292-7172 (Night)

TABLE 2

PHILADELPHIA COKE COMPANY
WATER MANIFEST SUMMARY - THIRD QUARTER 1988

Manifest Document No.		Date	Gallons	Weight (tons)	Transporter	
I.D. No.	State*				Name	L.D. No.
1	0263496	08/18/88	5500	22.94	Vanguard	NJDEPS-3516
2	0263497	08/18/88	5400	22.52	Vanguard	NJDEPS-3516
3	0263495	08/18/88	5500	22.94	Vanguard	NJDEPS-3516
4	0263498	08/18/88	5400	22.52	Vanguard	NJDEPS-3516
5	0263428	08/19/88	5500	22.94	Vanguard	NJDEPS-3516
6	0263424	08/19/88	5500	22.94	Vanguard	NJDEPS-3516
7	0263425	08/19/88	5500	22.94	Vanguard	NJDEPS-3516
8	0263499	08/19/88	5500	22.94	Vanguard	NJDEPS-3516
9	0263470	09/06/88	5300	22.10	Vanguard	NJDEPS-3516
10	0263467	09/06/88	5300	22.10	Vanguard	NJDEPS-3516
11	0263469	09/08/88	5500	22.94	Vanguard	NJDEPS-3516
12	0263468	09/08/88	5500	22.94	Vanguard	NJDEPS-3516
13	0263479	09/08/88	5500	22.94	Vanguard	NJDEPS-3516
14	0263474	09/08/88	4500	18.77	Vanguard	NJDEPS-3516
15	0263480	09/09/88	5500	22.94	Vanguard	NJDEPS-3516
16	0263481	09/09/88	4500	18.77	Vanguard	NJDEPS-3516
17	0263478	09/09/88	5500	22.94	Vanguard	NJDEPS-3516
18	0263482	09/09/88	4500	18.77	Vanguard	NJDEPS-3516
19	0263484	09/12/88	5500	22.94	Vanguard	NJDEPS-3516
20	0530448	09/12/88	5500	22.94	Vanguard	NJDEPS-3516
21	0530449	09/12/88	5500	22.94	Vanguard	NJDEPS-3516
21A	0263485	09/13/88	5400	22.52	Vanguard	NJDEPS-3516
23	0530466	09/13/88	5500	22.94	Vanguard	NJDEPS-3516
24	0263487	09/13/88	5400	22.52	Vanguard	NJDEPS-3516
25	0530458	09/13/88	5500	22.94	Vanguard	NJDEPS-3516
26	0530467	09/13/88	5500	22.94	Vanguard	NJDEPS-3516
25A	0530468	09/14/88	4500	18.77	Vanguard	NJDEPS-3516
26A	0530464	09/14/88	4900	20.43	Vanguard	NJDEPS-3516
29	0530459	09/14/88	4500	18.77	Vanguard	NJDEPS-3516
30	0530454	09/14/88	4900	20.43	Vanguard	NJDEPS-3516
31	0530462	09/14/88	4500	18.77	Vanguard	NJDEPS-3516
32	0530453	09/14/88	4900	20.43	Vanguard	NJDEPS-3516
33	0530487	09/20/88	5000	20.85	Vanguard	NJDEPS-3516
34	0530488	09/20/88	5000	20.85	Vanguard	NJDEPS-3516
35	0530478	09/20/88	5000	20.85	Vanguard	NJDEPS-3516
36	0530490	09/20/88	5000	20.85	Vanguard	NJDEPS-3516
37	0530489	09/20/88	5000	20.85	Vanguard	NJDEPS-3516
38	0530481	09/20/88	4500	18.77	Vanguard	NJDEPS-3516
39	0530465	09/22/88	5000	20.85	Vanguard	NJDEPS-3516
40	0530483	09/22/88	4500	18.77	Vanguard	NJDEPS-3516

TABLE 2
(Continued)

<u>Manifest Document No.</u>		<u>Date</u>	<u>Gallons</u>	<u>Weight (tons)</u>	<u>Transporter</u>	
<u>I.D. No.</u>	<u>State*</u>				<u>Name</u>	<u>L.D. No.</u>
41	0530450	09/22/88	5000	20.85	Vanguard	NJDEPS-3516
42	0530486	09/22/88	5500	22.94	Vanguard	NJDEPS-3516
43	0263488	09/22/88	4500	18.77	Vanguard	NJDEPS-3516
44	0530451	09/22/88	5000	20.85	Vanguard	NJDEPS-3516
45	0530507	09/28/88	4500	18.77	Vanguard	NJDEPS-3516
46	0530463	09/28/88	5500	22.94	Vanguard	NJDEPS-3516
47	0530511	09/29/88	5500	22.94	Vanguard	NJDEPS-3516
48	0530513	09/29/88	4500	18.77	Vanguard	NJDEPS-3516
49	0530512	09/29/88	5500	22.94	Vanguard	NJDEPS-3516
50	0530514	09/29/88	4500	18.77	Vanguard	NJDEPS-3516

Total Weight = 1069.35 tons

*All Prefaced by "NJA"



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on 6R16 (12-pitch) typewriter.)

Form Approved. OMB No 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No PA ID 0 00 42 17 90 6 0 0 0 1 0	Manifest Document No.	2. Page 1 of 1	Information in the shade is not required by law.
3. Generator's Name and Mailing Address Philadelphia Coke Richmond & Orthodox Streets Philadelphia, PA		4. Generator's Phone 333-7222		A. Manifest Document Number 0530514	
5. Transporter 1 Company Name Continental Vanguard, Inc.		6. US EPA ID Number NJ 09 68 38 75 14		B. Transporter 1 Phone 609-299-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. Transporter 2 Phone	
9. Designated Facility Name and Site Address E.I. DuPont De Nemours, Inc. & Co. Chambers Works Plant, RTE 130 Deepwater, NJ 08023		10. US EPA ID Number NJ 02 00 23 65 780		K. Facility's Phone 609-299-5000	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM			12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. Hazardous Waste Liquids; N.O.S.; ORM-Z			651	4500	KG
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information SEAL & OWP 334912 OW 2415-050 DECAL 23823					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name JAMES V. LISTED		Signature <i>[Signature]</i>		Month Day Year 02 01 1988	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name CHARLES Sanford		Signature <i>[Signature]</i>		Month Day Year 10 01 1988	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19					
Printed/Typed Name J. White		Signature <i>[Signature]</i>		Month Day Year 1 09 1988	

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection. (609) 292-5500 (Day) (609) 292-7172 (Night)



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

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Form Approved, OMB No. 2050-0039 Expires 9-30-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No
NJ 00 00 17 98 16 00 00 00

2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Mailing Address
Richmond & Orthodox Streets
Philadelphia, PA

Document Number
NJ 0530512

4. Generator's Phone (215) 535-7222

5. Transporter 1 Company Name
6. US EPA ID Number

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
10. US EPA ID Number

E.I. DuPont De Nemours, Inc. & Co.
Chambers Works Plant, Rte 130
Deepwater, NJ 08023

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers
13. Total Quantity
14. Unit (Wt/Vol)

a. Hazardous waste Liquid, B.O.M.; ORG-E
SARLOR (2667), RQ

NO. 05500
TYPE G
KDB7

15. Additional Descriptions for Materials Listed Above
T. L. (Baltimore) Per...
December 1st and 2nd...

16. Special Handling Instructions and Additional Information
QW 2415-DH9
10/1/88 040534841

17. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JAMES V. HUSTED
Signature: [Signature]
Month Day Year: 09 27 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MARIE...
Signature: [Signature]
Month Day Year: 10/1/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: [Blank]
Signature: [Blank]
Month Day Year: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name: [Signature]
Signature: [Signature]
Month Day Year: [Blank]

Dept. of Environmental Protection, (609) 292-5500 (Day) (609) 292-7172 (Night)



State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9-30-8

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 00 00 02 10 06 00 0 0 0 0	Manifest Designation 00 0 0 0 0	2. Page 1 of 1	Information in the shade is not required by law.
3. Generator's Name and Mailing Address Philadelphia Coke Richmond & Orhtodax Streets Philadelphia, PA (215) 535-7222			A. State Hazardous Waste Document Number NJA 0530513		
5. Transporter 1 Company Name Continental Vanguard, Inc.		6. US EPA ID Number NJ 00 67 3 8 75 14		C. State Facility ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. State Facility ID	
9. Designated Facility Name and Site Address E.I. Dupont De Nemours, Inc. & Co. Chambers Works Plant - Rm. 130 Deepwater, NJ 08023			10. US EPA ID Number NJ 00 0 0 23 85 73 0		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) HM.			12. Containers	13. Total Quantity	14. Unit Wt./Vol.
a. X Hazardous waste liquid, H.O.S., ORM - E; UN 2415 (2047), R?			No. Type		L. Waste No.
b.			608 10	450	0 00200
c.					
d.					
J. 1. L. (Deepwater) Sludge from Dewater Tar Sludge from Coking Operations			K. Handling Codes for Wastes Listed Above 701		
15. Special Handling Instructions and Additional Information SEAL # OWD334917 UN 2415 - 049 01001 23823					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Julie P. Via		Signature Julie P. Via		Month Day Year 8 9 2 9 8 8	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Charles Sanford		Signature Charles Sanford		Month Day Year 8 9 2 9 8 8	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Month Day Year					



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

047

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA AD 0 00 4 27 90 6 1 1 1 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Philadelphia Coke Richmond & Orthodox Streets Philadelphia, PA (215) 535-7222		4. Manifest Date 06/27/90	5. Document Number HA 0530511	
5. Transporter 1 Company Name Continental Vanguard, Inc.	6. US EPA ID Number NJ JD 0 67 3 87 5 1	7. Transporter 2 Company Name		
9. Designated Facility Name and Site Address E.I. DuPont De Nemours, Inc. & Co. Chambers Works Plant, Rte 130 Deepwater, NJ 08023		8. US EPA ID Number NJ JI 90 02 32 15 7 30	10. US EPA ID Number	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Facility Phone (609) 299-5800		

a.	b.	c.	d.	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Manifest No.
				No.	Type			
				001	IT	05500		8087

1. Additional Descriptions for Materials Listed Above
 T: L (Rainwater Runoff from Degreaser Bay Area from Cooling System)

15. Special Handling Instructions and Additional Information
 OW 2115-047
 SE #1 # OWD334920
 WDM 25829

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Julie P Via
 Signature: Julie P Via
 Month Day Year: 09/29/88

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: [Signature]
 Signature: [Signature]
 Month Day Year: 09/29/88

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
 Printed/Typed Name: [Signature]
 Signature: [Signature]
 Month Day Year: 09/29/88

Dept. of Environmental Protection, (609) 292-5560 (Day) (609) 292-7172 (Night)



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-046

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Form Approved. OMB No. 2050-0039 Expire

76
5
41

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. PA 8888 2. Manifest Date 07/27/88

3. Page 1 of 1 Information in the shaded area not required by Fed. law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE
RICHMOND & ORTHODOX ETS.
PHILADELPHIA, PA

4. Manifest Document Number
NJ 0530463

4. Generator's Phone (215) 535-7222

5. Transporter 1 Company Name CONTINENTAL VANGUARD, INC. 6. US EPA ID Number NJ 0101671327514

7. Transporter 2 Company Name 8. US EPA ID Number

C. State Trans. ID NJ 0101671327514

9. Designated Facility Name and Site Address
E. I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DESPWATER, NJ 08023

D. Shipper/Operator's Phone (609) 299-5000

E. State Trans. ID NJ 0101671327514

F. Transporter's Phone ()

G. State Facility's ID 000/000-5000

H. Facility's Phone (609) 299-5000

10. US EPA ID Number NJ 0101671327514

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM HAZARDOUS WASTE LIQUID, N.O.S., ORA-B, NA9189 (K007), 60

12. Containers No. 001 Type T

13. Total Quantity 05500

14. Unit Wt/Vol G

15. Waste No. K007

a. X

b.

c.

d.

14. Additional Descriptions for Materials Listed Above
RAINFALL
DECANTER TANK
ODOR FROM COOLING OPERATION

15. Handling Codes for Waste Listed Above
T 01

15. Special Handling Instructions and Additional Information
K0 = 100 LBS.

OW-2415 RELEASE 046

SCA/# OWD334919

22829

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Signature Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space
OK TO UNLOAD

20. Facility Owner or Operator, Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name Signature Month Day Year



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-045

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Form Approved OMB No 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: PA000027006
Manifest Document No: 1745

2. Page 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

A. State Hazardous Waste Document Number
NJ 0530507

4. Generator's Phone () 215, 535-7222

5. Transporter 1 Company Name: CONTINENTAL VANGUARD, INC.
6. US EPA ID Number: NJ00067387514

B. State Hazardous Waste Document Number

7. Transporter 2 Company Name

C. State Hazardous Waste Document Number

9. Designated Facility Name and Site Address
E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEERWATER, NJ 08023

D. Transporter's Phone ()

E. State Hazardous Waste Document Number

F. State Hazardous Waste Document Number

G. Transporter's Phone ()

H. State Facility's ID

I. Facility's Phone ()

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers: No. Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

GENERATOR

a. HAZARDOUS WASTE LIQUID, N.O.S.; ORM-E; NA9189 (2087), 20

001 T I 04500 G K087

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

TLE (RAINWATER BY DECANTER TAP FL) EDGE FROM COKING OPERATIONS DEPOSITED FROM

T, O1

15. Special Handling Instructions and Additional Information

20 = 100 LBS.

OW-2415 RELEASE 1-045

SEAL # DWD334916

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Julie P Via
Signature: Julie P Via
Month Day Year: 09/28/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ARNOLD R. JENKINS
Signature: Arnold R. Jenkins
Month Day Year: 09/28/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space
OK TO UNLOAD SEE BLOCK 19

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name: L Roncace
Signature: L Roncace
Month Day Year: 09/28/88

Dept. of Environmental Protection, (609) 292-5560 (Day) (609) 292-7172 (Night)

Dept. of Environmental Protection, (609) 292-5560 (Day) (609) 292-7172 (Night)



State of New Jersey
 Department of Environmental Protection
 Division of Waste Management
 CN 028, Trenton, NJ 08625

2415-08

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Exp. 12/31/88

**UNIFORM HAZARDOUS
 WASTE MANIFEST**

Generator's US EPA ID No. PA 151000427906
 Manifest No. 11143

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
 PHILADELPHIA SOKS
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA
 215 535-7222

A. State Manifest Document Number **NJA026348**

5. Transporter's Company Name
 CONTINENTAL VANHURD, INC.
 US EPA ID Number

B. State Facility ID
 SAME

9. Designated Facility Name and Site Address
 E. I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 DEERPAR, NJ 08028

C. State Transporter ID
 NJDEC 9-3514

D. Transporter's Phone
 609 931-0950

E. State Transporter ID

F. Transporter's Phone
 G. State Facility's ID
 H. Facility's Phone
 609/299-5000
 609/299-5000

HAZARDOUS LIQUID, N.O.S.; RPH-R; NA9189

Waste No. 04590 K087

Additional Descriptions for Materials Listed Above
 T-1 (RAINWATER CONTAMINATED W/DECATER TAR SLUDGE FROM COKING OPERATIONS)

K. Handling codes for Wastes Listed Above
 T-01

QTY = 190 LBS.
 OW-2415 RELEASE # 043

SEAL# OWD334915

NJ DECAT #23925

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this manifest are true and correct and that the waste described above is properly packaged, labeled, and stored in accordance with applicable state laws and regulations. I am a small quantity generator and have been exempted by statute from the requirements of the Resource Conservation and Recovery Act (RCRA) and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) for this shipment. I have provided the volume and total weight of the waste in this manifest and the name and address of the transporter and the designated facility. I have provided the name and address of the generator and the name and address of the recipient. I have provided the name and address of the transporter and the designated facility. I have provided the name and address of the generator and the name and address of the recipient.

Julie P. Via Julie P. Via 1994488

Christopher T. Lowmes Christopher T. Lowmes 1994788

NJ Dept. of Environmental Protection, (609) 292-5500 (Toll) (609) 292-7172 (Ext)



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2411074

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Form Approved. OMB No: 2050-0039 Expires 9-30-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 9 0 6 P 1 5 1 2 1 0 1 8 1 6 1 7 1 3 1 8 1 5		Manifest Document No. 00082	2. Page 1 of 1	Information in the shaded area is not required by Federal law.	
3. Generator's Name and Mailing Address PHILADELPHIA COX RICHMOND & BRIMMOCK STS. PHILADELPHIA, PA				Document Number NJA 0530486			
4. Generator's Phone (215) 335-7132							
5. Transporter 1 Company Name CORRENTIAL VASCULAR INC.		6. US EPA ID Number					
7. Transporter 2 Company Name		8. US EPA ID Number					
9. Designated Facility Name and Site Address A.I. JAPANESE BY NEMOURS, INC. & CO. 1000 W. MARKET ST. - ROOM 130 PHILADELPHIA, PA 19102				10. US EPA ID Number			
				E. Transporter's Phone ()			
				G. State Facility ID			
				H. Facility's Phone ()		997-330-5000 427-380-5400	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM						12. Containers	
						No. Type	
a. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.						13. Total Quantity	
b. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.						14. Unit Wt/Vol	
c. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.						1. Waste No.	
d. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.							
15. Special Handling Instructions and Additional Information RC = 100 LBL. OW-2415 RELEASE # 042 SEAL # 00334911							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name J.K. T. ANGERMEIER				Signature <i>J.K. T. Angermeier</i>		Month Day Year 09 22 86	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MORSE				Signature <i>MORSE</i>		Month Day Year 09 22 86	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name Signature Month Day Year							



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

24-051

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Form Approved. OMB No. 2050-0039. Expires 9-30-8

UNIFORM HAZARDOUS
WASTE MANIFEST

PA 0000427906

Manifest Document No. 39

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

PHILADELPHIA COKE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA 215 535-7222

A. State or Federal Identification Number
NJ 0530465

4. Generator's Phone

5. Transporter 1 Company Name

CONTINENTAL VANGUARD, INC.

6. US EPA ID Number
NJ 0005738751A

B. State or Federal Identification Number
C. State Trans. ID
D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Trans. ID

9. Designated Facility Name and Site Address

E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
JEEPWATER, NJ 08023

10. US EPA ID Number
NJ 000230573U

F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM
a. X HAZARDOUS WASTE LIQUID, W.O.S., ORG-1, NA9189 (2867), RQ

12. Containers
13. Total Quantity
14. Unit Wt/Vol
15. Waste No.

1 No. Type
601 IT
0.5000
3
K007

17. Additional Descriptions for Materials Listed Above

HAZARDOUS WASTE LIQUID, W.O.S., ORG-1, NA9189 (2867), RQ
CALCULATED AND REPORTED FOR RQ
CODE FROM COILING OPERATIONS

18. Remarks or Other Information Listed Above

T-914

19. Special Handling Instructions and Additional Information

OR-2419 RELEASE # 039 SEAL # 0ND384828 NJ DECAL # 23824

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Julie P. Via Signature: Julie P. Via Month Day Year: 09/22/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Elwood Gibson Signature: Elwood Gibson Month Day Year: 09/22/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest, except as noted, is item 19

Printed/Typed Name: Signature: Month Day Year:

epi. or Environmental Protection. (509) 292-5560 (Day) (509) 292-7172 (Night)

in an emergency or in an emergency call the state the emergency occurred in and the



State of New Jersey
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Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-22

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Form Approved OMB No 2050-0039 Expires 10-85
Information in the shade is not required by Federal law

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 13090137996
Manifest Document No. 138

2. Page 1 of 1

Information in the shade is not required by Federal law

3. Generator's Name and Mailing Address

PHILADELPHIA COKE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

4. Generator's Phone (215) 335-7222

5. Transporter 1 Company Name

CONTINENTAL VANGUARD, INC.

7. Transporter 2 Company Name

9. Designated Facility Name and Site Address

E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEERWATER, NJ 08021

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

a. HAZARDOUS WASTE LIQUID, N.O.S.; ORN-E; NA9189

12. Containers:		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type			
001	T	-4500		K087

A. State Dept. of Document Number NJA 0530481
B. State Facility ID
C. State Transport ID
D. Transporter's Phone (609) 931-0950
E. State Facility ID
F. Transporter's Phone
G. State Facility ID
H. Facility's Phone (609) 299-3000

14. Additional Descriptions for Materials Listed Above
E. (SILVER) 200-4
TANKED N/DECOVER TO BE
DOE FROM COORD OPERATIONS

15. Special Handling Instructions and Additional Information
RQ = 100 LBS.

OW-2415 RELEASE 138 SEAL # OW0334898

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: R. K. ANGERMEIER
Signature: [Signature]
Month Day Year: 09 20 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Chris T. Lawrence
Signature: [Signature]
Month Day Year: 09 20 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Blank]
Signature: [Blank]
Month Day Year: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: [Blank]
Signature: [Blank]
Month Day Year: [Blank]



State of New Jersey Department of Environmental Protection Division of Hazardous Waste Management Manifest Section CN 028, Trenton, NJ 08625

2415-031

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Form Approved OMB No. 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. PA 00 59 427 996

2 Page 1 of 1 Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address

PHILADELPHIA COKE RICHMOND & ORTHODOX STS. PHILADELPHIA, PA

A State Tracking Document Number NJA 0530489

4 Generator's Phone (215) 335-7222

5 Transporter 1 Company Name

6 US EPA ID Number

7 Transporter 2 Company Name

8 US EPA ID Number

C State Trans ID NJ009 19-4391

D Transporter's Phone (609) 698-6180

9 Designated Facility Name and Site Address

E.I. DUPONT DE NEMOURS, INC. & CO. CHAMBERLAIN WORKS PLANT - ROUTE 130 DEERPARVA, NJ 08023

10 US EPA ID Number

E State Trans ID

F Transporter's Phone

G State Facility's ID

H Facility's Phone (609) 299-5000

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12 Containers No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

a. PATRIOTIC WASTE LIQUID, N.O.S.; 3H+P; NA9189 (K087), 201

201 T 5000 K087

14 Additional Descriptions for Materials

15 Special Handling Instructions and Additional Information

07-2415 RELEASE 137 SEAL # 040334827

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

17 Transporter 1 Acknowledgement of Receipt of Materials

18 Transporter 2 Acknowledgement of Receipt of Materials

19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name Signature Month Day Year

Dept. of Environmental Protection, (609) 292-5500 (Day) (609) 292-7172 (Night)

In an emergency or spill immediately call the state the emergency occurred in and the



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2715226

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Form Approved OMB No. 2050-0039 Expires 9-30-8

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 1112191412171915	2. Manifest Document No. 02836	3. Page 1 of 1	Information in the shaded area is not required by law.
3. Generator's Name and Mailing Address MILWAUKEE JUNK 2100 S. 10TH ST. MILWAUKEE, WI		A. State Document Number NJA 0530490		B. Date of Manifest	
4. Generator's Phone (214) 530-7222		5. Transporter 1 Company Name CONTRACTOR VANNUCCI, INC.		6. US EPA ID Number 1112191412171915	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Trans. ID Number 1112191412171915	
9. Designated Facility Name and Site Address S. J. WILSON & SONS, INC. & CO. 200 W. WASHINGTON ST. - SUITE 100 MILWAUKEE, WI		10. US EPA ID Number		D. State Facility ID 1112191412171915	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. HAZARDOUS WASTE		001	0500	5	1087
b.					
c.					
d.					
16. Special Handling Instructions and Additional Information OS-2615 RELEASE # 036 SEAL # 0W0334899					
18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name J. K. ST. ANGERMEIER		Signature <i>[Signature]</i>		Month Day Year 09 20 88	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Edward Gibson		Signature <i>[Signature]</i>		Month Day Year 09 20 88	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19 Printed/Typed Name J. P. [Signature]					
Printed/Typed Name		Signature		Month Day Year	



State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

2415-335

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Form Approved OMB No 2050-0039 Expires 9-30

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No
 P A D 0 3 0 4 4 7 9 0 6
 Manifest Document No

2 Page 1 of 1
 Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address
 PHILADELPHIA COKE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA

A User's Document Number
 NJA 0530478

4 Generator's Phone 1 215 533-7222

5 Transporter 1 Company Name
 CONCRETE REPAIR MATERIALS, INC.

B Generator's Name and Address
 C State/Zip
 D Date of Receipt
 E Date of Shipment
 F Date of Delivery

6 US EPA ID Number
 8 3 0 3 7 3 0 7 5 1 4

7 Transporter 2 Company Name

G Date of Receipt
 H Date of Shipment
 I Date of Delivery

8 US EPA ID Number

9 Designated Facility Name and Site Address
 E. I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 130
 WILMINGTON, DE 19823

J Date of Receipt
 K Date of Shipment
 L Date of Delivery

10 US EPA ID Number

M Generator's Phone 1 814 299-5000

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
 HM

12 Containers

a. 001 T T 5000 K907

13 Total Quantity
 14 Unit Wt/Vol
 15 Identification No.

b.

c.

d.

15. Special Handling Instructions and Additional Information
 RL - 100 LBS.
 OR-2415 RELEASE 035 SEAL # 040334866

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: J. KAT ANGELEMER
 Signature: [Signature]
 Month Day Year: 09/20/88

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Charles J. Ford
 Signature: [Signature]
 Month Day Year: 10/12/88

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: [Blank]
 Signature: [Blank]
 Month Day Year: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
 Printed/Typed Name: [Blank]
 Signature: [Signature]
 Month Day Year: 12/12/88

Dept. of Environmental Protection, (609) 292-5500 (Day) (609) 292-7172 (Night)

In an emergency or spill immediately call the state the emergency occurred in and if



State of New Jersey
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Manifest Section
CN 028, Trenton, NJ 08625

2715-17

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Form Approved OMB No. 2050-0039 Expires 9-30-89

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. AD 30427906
Manifest Document No. 0100714

2. Page 1 of 1
Information in the shaded area is not required by law.

3. Generator's Name and Mailing Address
PHILADELPHIA CORP
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

4. Generator's Phone (215) 595-7-22

5. Transporter 1 Company Name
6. US EPA ID Number

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
10. US EPA ID Number

R.I. DUFORT DE RENOUFS, INC. & CO.
1111 W. WASHINGTON ST. - SUITE 110
PHILADELPHIA, PA 19102

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers
13. Total Quantity
14. Unit Wt/Vol
15. Manifest No.

a.	b.	c.	d.	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Manifest No.
				No.	Type			
				301	TS	05000		1087

16. Special Handling Instructions and Additional Information
R2 - 100 U.S.S.
ON-2415 RELEASE # 034 SEAL # 04033A830

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: J. Kurt Angermeyer
Signature: [Signature]
Month Day Year: 09 20 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Edwood Gibson
Signature: [Signature]
Month Day Year: 09 20 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Blank]
Signature: [Blank]
Month Day Year: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: J. P. [Signature]
Signature: [Signature]
Month Day Year: [Blank]

EPA Form 8700-22 (Rev. 3/88) Previous editions are obsolete. (800) 292-5560 (Day) (800) 292-7172 (Night)



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-03E

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Form Approved OMB No. 2050-0039 Expires 9-30-82

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. PA 00001427906	Manifest No. 00033	2: Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address PHILADELPHIA COKE RICHMOND & ORTHODOX STS. PHILADELPHIA, PA			4. Generator's Phone 215, 535-7222		5. Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DESPWATER, NJ 08023
5. Transporter 1 Company Name CONTINENTAL VANGUARD, INC.			6. Transporter 1 US EPA ID Number NJ 01067307516		7. Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DESPWATER, NJ 08023
7. Transporter 2 Company Name			8. Transporter 2 US EPA ID Number		9. Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DESPWATER, NJ 08023
9. Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DESPWATER, NJ 08023			10. Designated Facility US EPA ID Number NJ 01067307516		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
	a.	HAZARDOUS WASTE LIQUID, N.O.C., ORM-E, NA9189 (K057), RC	001	05000	K087
	b.				
	c.				
	d.				
15. Special Handling Instructions and Additional Information OW-2415 RELEASE # 033 SEAL # OW0334896					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature J. Kurt Angermier		Month Day Year 09/20/82	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature Charles Seiford		Month Day Year 09/24/82	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19					
Printed/Typed Name Charles Seiford		Signature Charles Seiford		Month Day Year 09/24/82	

Dept. of Environmental Protection, (609) 292-5500 (Day) (609) 292-7172 (Night)

In an emergency or spill immediately call the state the emergency occurred in and the



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Manifest Section
CN 026, Trenton, NJ 08625

245-032

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Form Approved OMB No. 2050-0039 Expires 10-8

UNIFORM HAZARDOUS
WASTE MANIFEST

Manifest No. 7906
P.A.D. 06084279000032

Page 1
Information in the shaded area is not required by Federal law.

3. Generator's Site Address

PITTSBURGH COKE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

215 535-7222

4. Generator's Phone

5. Transporter 1 Company Name

CONTINENTAL VANGUARD, INC.

8. US EPA ID Number

N J D 0 6 7 3 8 7 9 1 4

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DREPWATER, NJ 08023

10. US EPA ID Number

N J D 0 0 2 3 8 5 7 3 0

Information in the shaded area is not required by Federal law.

NJA 0530453

6. State Facility ID: 609-399-1000

H. Facility's Phone: 609-799-5000

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM
a. X HAZARDOUS WASTE LIQUID, H.C.E.; ORM-B; NA9189 (K087), PG

12. Containers

No. Type

001 T T

13. Total Quantity

04900

14. Unit Wt/Vol

1. Waste No.

K087

GENERATOR

15. Additional Descriptions for Materials Listed Above

TERMINATED W/RECYCLER THE SLUDGE FROM COOKING OPERATIONS

16. Special Handling Instructions and Additional Information

RELEASE # 032

SEAL # 040334032

23X24

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name

J. HART ANGELMEIER

Signature

[Signature]

Month Day Year

09/11/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Edwood Gibson

Signature

[Signature]

Month Day Year

10/21/94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name

J. R. ANFOSI

Signature

[Signature]

Month Day Year

12/14/88



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-031

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Form Approved OMB No. 2050-0039 Expires 9-30-8

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. 906
Manifest No. 00037

2 Page 1 of 1
Information in the shaded areas is not required by Federal law.

1. Generator's Name and Mailing Address

RICHMOND & ORTODOX 898.
PHILADELPHIA, PA

4. Generator's Phone () 215-533-7222

3. Transporter 1 Company Name

CORTINENTAL VANGUARD, INC.

5. US EPA ID Number 470057387511

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DELRAND, NJ 08029

10. US EPA ID Number 470002386730

A. State Facility Designation Number
NJ 0530462

B. State Trace ID

C. Temporary Facility ID

D. State Trace ID

F. Transferor's Facility ID

G. State Facility ID 000/299-5000
H. Facility's Phone (609) 299-5000

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

a. HAZARDOUS WASTE LIQUID, A.O.S., ORG-1, RA9189

12. Containers No. 001 Type T

13. Total Quantity 1500
14. Unit Wt/Vol G
15. Waste No. 2887

15. Special Handling Instructions and Additional Information

UN-2415

RELEASE #031

ENTR 005 574 897

NJ DECAL #23825

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of wastes generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name I. Kurt Higgenmeier

Signature

Month Day Year 09/1/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Winston Lowndes

Signature

Month Day Year 12/1/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator, Certificate of receipt of hazardous materials covered by this manifest, except as noted in Item 19

Printed/Typed Name I. R. Anderson

Signature

Month Day Year 09/1/88

Dept. of Environmental Protection, (609) 292-5500 (Day) (609) 292-7172 (Night)



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 026, Trenton, NJ 08625

2415-030

Please type or print in block letters. (Form designed for use on 6 1/2 (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page	Information in the shade is not required by law.
3. Generator's Name and Mailing Address PHILADELPHIA COCKS RICHMOND & ORTHODOX STS. PHILADELPHIA, PA 215 535-7222		4. Generator's Phone	5. Transporter 1 Company Name CONTINENTAL VANGUARD, INC.	6. US EPA ID Number 740067387516	7. Date of Manifest 09/14/90
9. Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DUPLICATE, NJ 08003		8. Transporter 2 Company Name	10. US EPA ID Number	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No. & Type
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. & Type		13. Total Quantity	14. Unit Wt/Vol
a. HAZARDOUS WASTE LIQUID, N.O.S.; OR-B; NA9189		001		04900	KG
15. Special Handling Instructions and Additional Information 00-2415- REWORKED OIL EPA# OWD 334831		23824		09/14/90	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: <i>Robert Angermeyer</i>		Signature: <i>[Signature]</i>		Month Day Year: 09/14/90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: <i>Edward Gibson</i>		Signature: <i>[Signature]</i>		Month Day Year: 09/14/90	
19. Discrepancy Indication Space					
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in item 19 Printed/Typed Name: <i>L Roncace</i>					
Signature: <i>[Signature]</i>		Month Day Year: 09/14/90			



State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

2415-025

Please type or print in block letters. (Form designed for use on 8 1/2 x 11 (12-pitch) typewriter.)

Form Approved OMB No 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

U.S. DEPARTMENT OF ENVIRONMENTAL PROTECTION
 P A P P P P A 2 7 7 9 0 6
 Manifest Document No. 10100215

2 Page 1 of 1
 Information in the shaded areas is not required by Federal law.

1. Generator's Name and Mailing Address
 PHILADELPHIA
 RICHMOND & JEFFERSON STS.
 PHILADELPHIA, PA
 215 535-7222

4. Generator's Phone ()

5. Transporter 1 Company Name
 CONFIDENTIAL VANGUARD, INC.
 6. US EPA ID Number
 P P P P P 7 3 0 7 8 1 4

7. Transporter 2 Company Name
 8. US EPA ID Number

9. Designated Facility Name and Site Address
 R. I. DUPONT DE NEMOURS, INC. & CO.
 CHANGERS WORKS PLANT - ROUTE 130
 OXFORD, NJ 08023
 10. US EPA ID Number
 P P P P P 2 3 8 8 7 3 1

11. Containers

13. Total Quantity
 7,500

14. Unit Wt/Vol
 G

15. Waste No.
 2007

16. Facility ID No.
 609/499-5500

17. Facility Phone ()
 609/499-5500

GENERATOR	a.	HAZARDOUS WASTE LIQUID, N.O.S., ORN-2, NA9189	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
			No.	Type			
			601	T T	7,500	G	2007
	b.						
	c.						
	d.						

12. Special Handling Instructions and Additional Information
 FACILITATED / DECONTAMINATED FOR REUSE FROM COLLIER OPERATIONS

13. Special Handling Instructions and Additional Information
 OW-2415 RELEASE ~~CONFIDENTIAL~~ Spill # 0101334829

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Andrew B. Linn
 Signature: Andrew B. Linn
 Month Day Year: 02/11/88

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Christopher I. Lowmes
 Signature: Christopher I. Lowmes
 Month Day Year: 02/14/88

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: _____
 Signature: _____
 Month Day Year: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
 Printed/Typed Name: L Roncace
 Signature: L Roncace
 Month Day Year: 09/14/88

Dept. of Environmental Protection, (609) 292-5500 (Day) (609) 292-7172 (Night)



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-070

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator USEPA ID No. 9 8 8
P A P P P P A 7 7 9 P P P P P P P P

2. Page 1 of 1

Information in the shade is not required by law.

3. Generator Name and Mailing Address

PHILADELPHIA CORP
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA 215 535-7222

4. Generator's Phone ()

5. Transporter 1 Company Name
CONFIDENTIAL VANGUARD, INC.

6. US EPA ID Number
P 7 P P P 6 7 3 8 7 5 1 4

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

E. I. DUPONT DE WILMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEEPWATER, NJ 08023

10. US EPA ID Number
P 7 P P P 2 3 8 5 7 3 3

11. Transporter's Phone ()

12. State Facility's ID 800/299-5800

13. Facility's Phone () 609/299-5800

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste No.

a. X HAZARDOUS WASTE LIQUID, N.O.S.; UN01-RT 28189 (K027); R

001 RT 05500 G K007

16. Additional Descriptions for Materials Used Above

HAZARDOUS WASTE LIQUID, N.O.S.; UN01-RT 28189 (K027); R
REMOVED FROM COILING OPERATIONS

17. Special Handling Instructions and Additional Information

OW-2415 RELEASE 0-028
SEAL # CWD 39900 BY SEAL & TEMP

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: J. Kat Angermeier Signature: [Signature] Month Day Year: 09/13/88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: W. H. JOHNSON Signature: [Signature] Month Day Year: -9/13/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest, except as noted in item 19

Printed/Typed Name: Signature: Month Day Year: 9/13/88

Vertical text on the left margin: 202-550-5600 (Day) (609) 292-7172 (Night)



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on 8 1/2" (12-pitch) typewriter.)

Form Approved OMB No 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS
WASTE MANIFEST

1 Generator's US EPA ID Number
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

2 Page 1 Information in the shaded areas is not required by Federal law.

3 Generator's Mailing Address
RICHMOND & ORTHOOK STS.
PHILADELPHIA, PA 19104
215 535-7222

Document Number
NJ 0530458

4 Generator's Phone ()

5 Transporter 1 Company Name
CONTINENTAL VANGUARD, INC.
6 US EPA ID Number
V J D G 6 7 J B 7 3 1 6

7 Transporter 2 Company Name

8 US EPA ID Number

9 Designated Facility Name and Site Address
CRAIG & CO. - ROUTE 130
DELRWARE, NJ 08023
10 US EPA ID Number
3 J G 0 0 2 3 8 5 7 3 0

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM HAZARDOUS WASTE LIQUID, N.C.S., ORG-S, MAR 1997
12 Containers
No. Type
001 T
13 Total Quantity
05500
14 Unit
G
15 Waste No.
2007

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12 Containers

13 Total Quantity

14 Unit

15 Waste No.

a.	b.	c.	d.	12. Containers		13. Total Quantity	14. Unit	15. Waste No.
				No.	Type		Wt/Vol	
				001	T	05500	G	2007

16 Special Handling Instructions and Additional Information
OW-2415 RELEASE 25
SEAL # 0412374885 NJ DECAL # 21829

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: 09/13/88

17 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: 09/13/88

18 Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: [Signature]

19 Discrepancy Indication Space

20 Facility Owner or Operator, Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: 9/13/88

Dept. of Environmental Protection, (609) 292-5900 (Day) (609) 292-7172 (Night)



State of New Jersey
Department of Environmental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625

2415-024

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9-30-

Generator and transporter must call the state emergency number (609) 292-5260 (24 hr) (609) 292-7172 (weekdays) and the N.J. Dept. of Environmental Protection.

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator US EPA ID No. 27906 PAID0004217906	2 Page 1 of 1	3 Information in the shaded area is not required by Federal law.
3 Generator's Name and Mailing Address PHILADELPHIA COKE RICHMOND & ORTHODOX STS. PHILADELPHIA, PA		4 Generator's Phone 215 535-7222		A State Manifest Document Number NJA026348
5 Transporter 1 Company Name CONTINENTAL VANGUARD, INC.		6 US EPA ID Number NJ000073875114		B State Facility ID
7 Transporter 2 Company Name		8 US EPA ID Number		C State Facility ID
9 Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DEEPWATER, NJ 08023		10 US EPA ID Number NJ000073875114		G State Facility ID 609/299-5000 H Facility's Phone 609/299-5000
11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				
a HAZARDOUS WASTE LIQUID, N.O.S.; OR: E; NAS189 X (K087), RQ		b 001	c 0.5400	d K087
J Additional Descriptions for Materials Listed Above				
a T.I.L. (RAINWATER CON- TAMINATED W/DECANTER TAR SL- UDGE FROM COKING OPERATIONS		b Manifest codes for Wastes Listed Above T01		
12 Special handling instructions and additional information RQ = 100 LBS. OW-2415 RELEASE #2A SEAL #060339870 NJ DECAL #TEMP				
13 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and all applicable state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree that have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.				
Printed Typed Name J. R. ANSCHMEIER		Signature <i>J. R. Anschmeier</i>		Date 10/13/85
14 Transporter 1 Acknowledgement of Receipt of Materials Printed Typed Name W. H. JOHNSON		Signature <i>W. H. Johnson</i>		Date 10/13/85
15 Transporter 2 Acknowledgement of Receipt of Materials Printed Typed Name		Signature		Date
16 Discrepancy Indication Space				
Printed Typed Name L Roncace		Signature <i>L Roncace</i>		Date 10/13/85

State of New Jersey
 Department of Environmental Protection
 Division of Hazardous Waste Management
 Manifest Section
 CN 028, Trenton, NJ 08625

2415-023

Please type or print in block letters. (Form designed for use on 8 1/2 x 11 inch typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-4

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
 PA 0000427906
 Manifest Document No.
 PA 0000427906100023

2. Page 1
 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

PHILADELPHIA COKE
 RICHMOND & ORTHODOX STS.
 PHILADELPHIA, PA

4. Generator's Phone (215) 535-7222

5. Transporter 1 Company Name

6. US EPA ID Number

CONFIDENTIAL VANGUARD, INC.

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

10. US EPA ID Number

E.I. DUPONT DE NEMOURS, INC. & CO.
 CHAMBERS WORKS PLANT - ROUTE 139
 DEERFIELD, NJ 08023

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
 HM

12. Containers

13. Total Quantity

14. Unit Wt/Vol

a.

HAZARDOUS WASTE LIQUID, N.O.S. ORA-E; RA9189

No.

Type

15520

Unit Wt/Vol

1567

b.

c.

d.

15. Special Handling Instructions and Additional Information

Rs - 100 Lbs. Snd # OWD 334867
 OR-2415 RELEASE # 23

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day Year

Andrew B Ling

Andrew B Ling

09/13/88

17. Transporter 1 Acknowledgement (Receipt of Materials)

Printed/Typed Name

Signature

Month Day Year

Matell Moore

Matell Moore

09/13/88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name

Signature

Month Day Year

L Roncace

L Roncace

09/13/88

Dept. of Environmental Protection, (609) 292-5560 (Day) (609) 292-7172 (Night)

See the emergency or spill immediately can the state the emergency occurred in and



State of New Jersey
 Department of Environmental Protection
 Division of Waste Management
 CN 028, Trenton, NJ 08625

2415-022

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0009, Expires 9-30-

(409) 992-5500 (Fax) (409) 992-7172 (TDD)

00022

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator USEPA ID No. 27906 PA 0000427906	2. Page 1 of 1	Information in the shaded area is not required by Federal
3. Generator's Name and Address PHILADELPHIA COKE RICHMOND & ORTHOOD STS. PHILADELPHIA, PA		4. Generator's Phone 215 535-7222	A. State Manifest Document Number NJA 026348	
5. Transporter's Company Name CONTINENTAL VANGUARD, INC.		E. US EPA ID Number NJ 0673875114	E. State Transporter's ID	
7. Transporter's Company Name		8. US EPA ID Number	F. Transporter's Address	
9. Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DEERWATER, NJ 08023		G. US EPA ID Number NJ 00023857310	G. State Facility's ID 609/299-5000	
		H. Facility's Phone 609/299-5800		

Proper Shipping Name, Hazard Class, and ID Number	Type	Quantity	Waste No.
HAZARDOUS WASTE LIQUID, N.O.S.; ORM-E; NA9189 (K097), R2	001 T T	95490 G	K087

J. Additional Descriptions for Materials Listed Above P) L (RAINWATER CONTAMINATED W/DECANTER TAR SLUDGE FROM COKING OPERATIONS)	K. Handling codes for Wastes Listed Above T01
L. Other information (e.g., TOX, PCB, and Additional information) OW-2415 RELEASE 124022 SEAL # 040334868	

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable state laws and regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed Name: J.K. ASERNECE	Signature: [Signature]	Date: 10/13/88
14. Transporter's Acknowledgment of Receipt of Materials	Signature: W.H. JOHNSON	Date: 10/13/88
15. Transporter's Acknowledgment of Receipt of Materials	Signature: [Signature]	Date: [Date]

19. Discrepancy Indication Square	Printed Name: L. Roncace	Signature: L. Roncace	Date: 10/13/88
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State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

2415-020

Please type or print in block letters. (Form designed for use on 12-pitch typewriter.)

Form Approved OMB No 2060-0039 Expires 9-30

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
PA 0009131111

2. Page 1
Information in the shaded area not required by law.

3. Generator's Name and Mailing Address
PHILADELPHIA COKE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA

4. Generator's Phone (215) 535-7222

5. Transporter 1 Company Name
CONTINENTAL VANHARD, INC.

6. US EPA ID Number
PA 0009131111

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
B.I. DUPONT DE MERCURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 138
DELSWATER, NJ 08023

10. US EPA ID Number

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

12. Containers
13. Total Quantity
14. Unit

No.	Type	Total Quantity	Unit
a.			
b.			
c.			
d.			

No.	Type	Total Quantity	Unit
001	T	0.5	K087



15. Special Handling Instructions and Additional Information
RQ = 100 LBS.

OH-2415 RELEASE 1020 OWR 10/11/81

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name: J.K. R. ANGERMEIER
Signature: [Signature]
Month Day Year: 09/1/88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Name]
Signature: [Signature]
Month Day Year: [Blank]

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Name]
Signature: [Signature]
Month Day Year: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
Printed/Typed Name: L. Roncare
Signature: [Signature]
Month Day Year: 09/1/88

EPA Form 8700-22 (Rev. 3/88) Previous editions are obsolete. 3 - TRN MAIL TO GENERATOR



State of New Jersey
Department of Environmental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625

2415-019

Please print or type. (Form designed for use on site (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0009. Expires 9-30-80

A Part of Environmental Protection, (609) 292-6000 (Day) (609) 292-7172 (Night)

UNIFORM HAZARDOUS WASTE MANIFEST		Generator USEPA ID No 27906 P P P P 0 4 2 7 9 0 6		2 Pages of		Information in the shaded areas is not required by Federal law.	
3 Generator's Name and Mailing Address PHILADELPHIA COKE RICHMOND & ORTHODOX STS. PHILADELPHIA, PA				A State Manifest Document Number		NJA026348	
4 Generator's Phone 215 535-7222				5 Transporter 1 Company Name CONTINENTAL VANGUARD, INC.		B US EPA ID Number NJ1210161713181715114	
6 Transporter 1 Phone				7 Transporter 2 Company Name		C US EPA ID Number	
9 Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DEEPWATER, NJ 08023				D US EPA ID Number NJ12101612131815171310		E State Facility ID No 299-3880	
10 Facility's Phone 609/299-5000				11 Hazardous Waste Description HAZARDOUS WASTE LIQUID, N.O.S.; OHM-E; NAS189 X (K087), RQ		12 Waste No. 001 T T G K087	
13 Additional Descriptions for Materials Listed Above RAINWATER CONTAMINATED W/DECANTER TAR SLUDGE FROM COKING OPERATIONS				14 Handling codes for Wastes Listed Above 101		15 Special handling instructions and additional information RQ = 100 LBS. OW-2415 RELEASE # 0/9 Seal # OWD334852	
16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.				17 Printed/Typed Name Andrew B. Long		18 Signature Andrew B. Long	
19 Discrepancy Indication Space				20 Printed/Typed Name Maggie Moore		21 Signature Maggie Moore	
22 Printed/Typed Name L Roncace				23 Signature L Roncace		24 Date 09/12/88	



State of New Jersey
 Department of Environmental Protection
 Division of Waste Management
 CN 028, Trenton, NJ 08625

2415-16

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No PA 0000427906	Mailing Document No 010116	2. Page 1 of 1	Information in the shaded is not required by Federal
3. Generator's Name and Mailing Address PHILADELPHIA COKE RICHMOND & ORTHODOX STS. PHILADELPHIA, PA		4. Generator's Phone 215 535-7222		A. State Manifest Document Number NJA 026348	
5. Transporter 1 Company Name CONTINENTAL VANGUARD, INC.		6. US EPA ID Number [Barcode]		D. Transporter's Phone 609-299-5000	
7. Transporter 2 Company Name		8. US EPA ID Number [Barcode]		E. State Transporter ID [Barcode]	
9. Designated Facility Name and Site Address E.I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DEEPWATER, NJ 08023		10. US EPA ID Number [Barcode]		G. State Facility ID [Barcode]	
11. Description of Material Including Proper Shipping Name, Hazard Class and ID Number HAZARDOUS WASTE LIQUID, H.O.S.; CRM-E; NA9189 K (X087), RQ		12. Quantity 001 T 045.00 G		I. Waste No K087	
13. Additional Descriptions for Materials Listed Above T; L (RAINWATER CON- TAMINATED W/DECEPTEE TAR SL UDGE FROM COKING OPERATIONS		14. Handling code for Wastes Listed Above T-01		15. Marking instructions and Additional information RQ = 100 LBS. OW-2415 RELEASE 16	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA. I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the greatest I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed Name J. KURT ANGELO		Signature <i>[Signature]</i>		Date 09/29/88	
Printed Name MORRIS MOORE		Signature <i>[Signature]</i>		Date 09/29/88	
Printed Name		Signature		Date	
17. Discrepancy Indication Square					
Printed Name J. D. [Signature]		Signature <i>[Signature]</i>		Date 09/29/88	



State of New Jersey
Department of Environmental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625

2415-15

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's USEPA ID No 2 7 9 0 6
PAID 0000427906 909115

2 Page 1 of 1
Information in the shaded areas is not required by Federal law.

A State Manifest Document Number **NJA026348**

3 Generator's Name and Mailing Address
**PHILADELPHIA COKE
RICHMOND & ORTHODOX STS.
PHILADELPHIA, PA**
4 Generator's Phone **215 535-7222**

5 Transporter 1 Company Name **CONTINENTAL VANGUARD, INC.**
US EPA ID Number **N J 0 0 6 7 3 8 7 5 1 1 4**

6 Transporter 2 Company Name
US EPA ID Number

9 Designated Facility Name and Site Address
**E.I. DUPONT DE NEMOURS, INC. & CO.
CHAMBERS WORKS PLANT - ROUTE 130
DEERWATER, NJ 08023**
US EPA ID Number **N J 0 0 3 2 3 5 5 7 3 1 0**

E State Transporter 2 ID No
F Transporter 2 Designation
G State Facility's ID No **209799-5000**
H Facility's Phone **609/299-5000**

10 Description of Waste (including Proper Shipping Name, Hazard Class, and ID Number)	11 Quantity	12 Hazardous Waste No.	13 Waste No.
HAZARDOUS WASTE LIQUID, N.O.S.; OR4-E; NA5189 (K087), RC	001 T P 05590	G	K087

14 Additional Descriptions for Materials Listed Above
T; L (WATER CONTAMINATED W/DECANTER TAR SLUDGE FROM COKING OPERATIONS)

15 Hazarding codes for wastes listed above
7-01

16 Special handling instructions and additional information
**R2 = 190 LBS.
OW-2415 RELEASE 15**

17 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and all applicable state laws and regulations.
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3007(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name **THOMAS ANGERMEIER** Signature *[Signature]* Month Day Year **09 08 86**

17.1 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Marcell Margera** Signature *[Signature]* Month Day Year **09 09 86**

17.2 Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19 Discrepancy Indication Space

Printed/Typed Name **J. J. Dilks** Signature *[Signature]* Month Day Year **09 09 86**

Dept. of Environmental Protection, (609) 526-5000 Ext. 7777, (609) 292-7172

**State of New Jersey
Department of Environmental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625**

2415
014

Please print or type. (Form designed for use on 61/2 (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039, Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. P11111111111111111111	Manifest Document No. 090114	2 Page 1 of 1	Information in the shaded areas is not required by Federal
3 Generator's Name and Mailing Address PHILADELPHIA COKE RICHMOND & ORTHODOX STS. PHILADELPHIA, PA			A State Manifest Document Number NJA026347		
4 Generator's Phone 215 535-7222			[REDACTED]		
5 Transporter 1 Company Name CONTINENTAL VANGUARD, INC.	6 US EPA ID Number 01111111111111111111				
7 Transporter 2 Company Name			8 US EPA ID Number		[REDACTED]
9 Designated Facility Name and Site Address E. I. DUPONT DE NEMOURS, INC. & CO. CHAMBERS WORKS PLANT - ROUTE 130 DEEPWATER, NJ 08023			10 US EPA ID Number 11111111111111111111		
11 Distribution/Incoming Biller Shipping Name Hazard Class and ID Number HAZARDOUS WASTE LIQUID, N.O.S.; ORM-E; NA9189 (K987), LQ			12 Containers Type: 001 T	13 Total Quantity 0.4500	14 Waste No. K087
15 Additional Descriptions for Materials Listed Above T; L (RAINWATER CON- TAMINATED W/DECANTER TAR SL UDGE FROM COKING OPERATIONS			16 Handling Codes for Wastes Listed Above T01		
17 Special Handling Instructions and Additional Information RQ = 100 LBS. OW-2415 RELEASE 1A SEAL # 04D334888			18 NJ DECAL # 111114		
19 GENERATOR'S CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name JOE ANGERMEIER			Signature <i>[Signature]</i>		Date 10/10/81
17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MATTHEW MATTHEW			Signature <i>[Signature]</i>		Date 10/10/81
18 Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature		Date
19 Discrepancy Indication Space					
Printed/Typed Name J. Whitehorn			Signature <i>[Signature]</i>		Date 1/19/81

State of New Jersey
 Department of Environmental Protection
 Division of Waste Management
 CN 028, Trenton, NJ 08625

2415-12

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved: OMB No. 2050-0039, Expires 9-30-82

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No P14400041199	Manifest Document No 60100112	2. Page 1 of 1	Information in the shaded area is not required by Federal law.
3. Generator's Name and Mailing Address PHILADELPHIA COKE RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA		4. Generator's Phone 215 535-7222		A. State Manifest Document Number NJA0263468	
5. Transporter: 1. Company Name CONTINENTAL VANGUARD		5. US EPA ID Number NJD067387514		B. State Facility ID 609-299-5000	
7. Transporter: 2. Company Name		8. US EPA ID Number		C. State Facility ID	
9. Designated Facility Name and Site Address E.I. DUPONT ROUTE 130 - CHAMBERS WORKS PLANT DEERWATER, NJ 08023		10. US EPA ID Number NJD002385730		H. Facility's Phone 609-299-5000	
3. Hazardous Waste Description		11. Quantity	12. Waste No.		
HAZARDOUS WASTE LIQUID, N.O.S.; ORG.-E; NA9189 (2087), RQ		10414105,500	K087		
J. Additional Descriptions for Materials Listed Above (RAINWATER CONTAMINATED WITH DECANTER TAR SLUDGE FROM COKING OPERATIONS) T; L		K. Marking codes for Wastes Listed Above 7-01			
15. Special Handling Instructions and Additional Information RQ = 100LBS.		+REQUIRED BY GENERATOR STATE			
OW2415		SEAL # OW0334690		NJ DECAL 123829	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.		Signature <i>J. Kurt Angermeyer</i>		Date 9/10/88	
17. Transporter: 1. Acknowledgment of Receipt of Materials		Signature <i>Edward J. Magee</i>		Date 9/10/88	
18. Transporter: 2. Acknowledgment of Receipt of Materials		Signature		Date	
19. Discrepancy Indicator Space					



State of New Jersey
 Department of Environmental Protection
 Division of Waste Management
 CN 028, Trenton, NJ 08625

2415-10

Please print or type. (Form designed for use on alpha (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-

(800) 222-6666 (Day) (609) 292-7171 (Night)
 U.S. DEPT. OF ENVIRONMENTAL PROTECTION

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No P 1 4 009 0 4 2 7 9 0 6	Mover's Document No 000110	2 Page 1 of 1	Information in the shaded area is not required by Federal
3 Generator's Name and Mailing Address PHILADELPHIA COKE RICHMOND & ORTHODOX STREETS PHILADELPHIA, PA		4 Generator's Phone 215 535-7222		A State Manifest Document Number NJA026346	
5 Transporter 1 Company Name CONTINENTAL VANGUARD, INC.	6 US EPA ID Number NJ 0 6 7 1 3 8 7 1 5 1 4	7 Transporter 2 Company Name		8 US EPA ID Number	
9 Designated Facility Name and Site Address E.I. DUPONT ROUTE 130 - CHAMBERS WORKS PLANT DEEPWATER, NJ 08023		10 US EPA ID Number NJ 0 6 7 1 3 8 7 1 5 1 4		D State Transporter 2 ID No	
11 Description of Waste Including Proper Shipping Name, Hazard Class and ID Number HAZARDOUS WASTE LIQUID, N.O.S.; ORM-E; NA9189		12 Quantity 01011	13 In. Lbs. Wt	I Waste No. K 0 8 7	
J Additional Descriptions for Materials Listed Above (WATER CONTAMINATED FROM COOKING OPERATIONS)		K Handling Instructions for Wastes Listed Above T-01			
L Special Handling Instructions and Additional Information RQ - 100 LBS. SEAL # OWD 934910 OW2415 RELEASE # 010 REQUIRED BY GENERATOR STATE NJ DECAL # 20830					
M GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, according to applicable international and national government regulations and all applicable state laws and regulations.					
N Date 09/06/88		Signature James V. Husted			
17 Transporter 1 Acknowledgment of Receipt of Materials Date 09/06/88		Signature Mark M... M...			
18 Transporter 2 Acknowledgment of Receipt of Materials Date		Signature			
19 Discrepancy Indication Space		Signature J.D. ...			



**State of New Jersey
Department of Environmental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625**

2415-009

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Exp. 9-30

Dept. of Environmental Protection, (609) 292-5500 (Ext.) (609) 292-7172 (Ext.)

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No P A H 0 1 0 1 0 4 2 7 1 9 1 0 6	2 Page 1 of 1	Information in the shaded areas is not required by Federal law *
3 Generator's Name and Mailing Address Philadelphia Coca Richmond & Orthodox Sts. Philadelphia, PA		6 US EPA ID Number M J D 0 1 6 1 7 3 1 8 1 5 1 1 4	A State Manifest Document Number NJA 026347	
4 Generator's Phone 215 535-7222	7 Transporter 2 Company Name Continental Vanguard, Inc.	8 US EPA ID Number	B State Facility ID	
5 Transporter 1 Company Name Continental Vanguard, Inc.	9 Designated Facility Name and Site Address E.I. Dupont Rt. 130 - Chambers Works Plant Deepwater, NJ 08023	10 US EPA ID Number K J D 0 0 2 3 8 5 7 3 0	H Facility's Phone 609/289-3000	
11 Hazardous Waste Liquid, N.O.S.; ORM-R; NA9189 (K087), RQ		12 Containers Type TT	13 Quantity 5300 G	14 Unit MVA G
15 Special Handling Instructions and Additional Information RQ = 100 lbs. SEAL No. OWD334909 X Required by Generator State OW2415 RELEASE # 009 NJ DECAL # TEMP.		16 Containers Waste No. K 0 8 7		
17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: JAMES V. HUSTED Signature: <i>James V. Husted</i> Date: 10/9/81		18 Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: W.H. JOHNSON Signature: <i>W.H. Johnson</i> Date: 10/9/81		
19 Discrepancy Indication Space		20 Printed/Typed Name: J.D. Dilks Signature: <i>J.D. Dilks</i> Date: 10/9/81		



**State of New Jersey
Department of Environmental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625**

2415-008

Please print or type: (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No PA100101427906	2 Page 1 of 1	3 Manifest Document No 09908	4 State Manifest Document Number NJA026349
3 Generator's Name and Mailing Address Philadelphia Coke Richmond & Orthodox Sts. Phila., PA (215) 535-7222					E. State Facility ID F. Transporter's State License No. G. State Facility ID H. Facility's Phone: (609) 299-5000
4 Generator's Phone		5 Transporter 1 Company Name Continental Vanguard, Inc.	6 US EPA ID Number NJJD067387514	7 Transporter 2 Company Name	
5 Transporter 1 Company Name		8 US EPA ID Number	9 Designated Facility Name and Site Address E.I. Dupont de Nemours Inc. Chambers Works Plant - RT. 130 Deepwater, NJ 08023	10 US EPA ID Number NJ00038571310	
6 US EPA ID Number		7 Transporter 2 Company Name	9 Designated Facility Name and Site Address		
11 Hazardous Waste Description, Including Proper Shipping Name, Hazard Class and ID Number Hazardous Waste Liquid, N.O.D.; ORM-E; NA9189 (4087), RU					12 Container Type TIT 13 Total Quantity 0.5500 G 14 Waste No. K087
15 Additional Descriptions for Materials Listed Above T; L (Kalmater contaminated with decenter contaminated with decenter tar sludge from coking operations)					16 Handling Code for Wastes Listed Above T-01
17 Special handling instructions and Additional Information RQ - 100 lbs. OW-2415 Release 1008 NJ DECAL ITEM SEAL # OWD334908					
18 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and applicable state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed Name J. KURT ANGERMEIER		Signature <i>[Signature]</i>		Date 09/19/88	
Printed Name Marrell Margeran		Signature <i>[Signature]</i>		Date 09/19/88	
19 Discrepancy Indication Space					
Printed Name J. CRAWFORD		Signature <i>[Signature]</i>		Date 09/19/88	

State of New Jersey
 Department of Environmental Protection
 Division of Waste Management
 CN 028, Trenton, NJ 08625

2415-007

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

FPM Approved. CMB No. 2050-0029. Expires 9-30-

A Dept. of Environmental Protection. (609) 292-5660 (Toll) (609) 292-7172 (M)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 49994379999999	2. Page of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Philadelphia Coke Richmond & Orthodox Sts. 4. Generator's Philad PA (215) 536-7222			A. State Manifest Document Number NJA026342	
5. Transporter Company Name Continental Vanguard, Inc.	6. US EPA ID Number NJ D 06738751A			
7. Designated Facility Name and Site Address E.I. Dupont de Numours Inc. Chambers Work Plant- Rt. 130 Deepwater, Nj 08023	8. US EPA ID Number NJ D 0102385730		D. Transporter's Phone 609-291-0950	E. State Transporter ID
			F. Transporter's Phone	G. State Facility's ID
			H. Facility's Phone 609/299-5000	
4. Hazardous Waste Liquid, N.O.S.; ORME:NA 9189 (K037), RQ		5500 G		K087
J. Additional Descriptions for Materials Listed Above T; L(Rainwater Contaminated Decanter Tar Sludge from Coking Operations)		K. Handling codes for Wastes Listed Above T-01		
RQ = 100 lbs.		OW-2415	Release 107	NJ DECAL #23829
SEAL # OWD334907				
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this shipment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transportation by highway according to applicable Federal, State and National government regulations, and applicable State laws and regulations.				
I, J. Kurt Angermeyer , Generator, certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree that is economically practicable and I have selected the method of treatment, storage, or disposal currently available with the highest minimum for the present and for the future to human health and the environment.				
Signature of Generator J. Kurt Angermeyer		Signature of Transporter Michael H. Shaffer		Date 08/19/88
Signature of Transporter Michael H. Shaffer		Signature of Receiver Michael H. Shaffer		Date 10/11/88
Printed Typed Name J. Crawford		Signature J. Crawford		Date 10/11/88



State of New Jersey
Department of Environmental Protection
Division of Waste Management
CN 026, Trenton, NJ 08625

2415-006

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No P149999433996	2 Page 1 of 1	Information in the shaded area is not required by Federal
3 Generator's Name and Mailing Address Philadelphia Coke Richmond & Orthodox Sts. Philat., PA (215) 535-7222		A. State Manifest Document Number NJA026342		
5 Transporter Company Name Continental Vanguard, INC.	US EPA ID Number NJ1016170875114			
7 Designated Facility Name and Site Address E.I. Dupont de Nemours Inc. Chambers Works Plant - Rt. 130 Deepwater, NJ 08023	US EPA ID Number NJ10102385730	E. State Facility ID		
Including Proper Shipping Name, Hazard Class, and ID Number		Quantity	Waste No.	
a. Hazardous Waste Liquid, N.O.S.S., ORM-E; NA9189 (K008-7)		95010	155010	K008 7
J Additional Descriptions for Materials Listed Above T; L(Rainwater Contaminated with Decanter Tar Sludge from Coking Operations)		K. Handling Codes for Wastes Listed Above T-01		
L Special Handling Instructions and Additional Information RQ = 100 lbs. OW-2415 Release # 006 NJ DECAL # 23139 SFAL P OWD 334906				
1c GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.				
Printed Name J. K. ANGERMEIER		Signature	Date 09/19/85	
1d Transporter Acknowledgement of Receipt of Materials Printed Name MICHAEL K. SHAFER		Signature	Date 09/19/85	
1e Transporter Acknowledgement of Receipt of Materials Printed Name		Signature	Date	
19 Discrepancy Indication Space				
Printed Name J. CRAWFORD		Signature	Date 09/19/85	



State of New Jersey
Department of Environmental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625

2415-005

Please print or type. (Form designed for use on site (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30

A Dept. of Environmental Protection. (609) 292-5000 Day. (609) 292-7172 Ext.

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No PI4DQ99411906	2 Page 1 of 1	3 Information in the shaded areas is not required by Federal law.
3 Generator's Name and Mailing Address Philadelphia Coke Richmond & Orthodox Sts. Philadelphia, PA		4 Generator's Phone 215 535-7222	A. State Manifest Document Number NJA026342	
5 Transporter 1 Company Name Continental Vanguard, Inc.		6 US EPA ID Number 414967387514	[Shaded Area]	
7 Transporter 2 Company Name		8 US EPA ID Number		
9 Designated Facility Name and Site Address E.I. Dupont de Nemours Inc. Chambers Works Plant - Rt. 130 Deepwater, NJ		10 US EPA ID Number NJ1D002131815171310		
11 Hazardous Waste Description (Including Proper Shipping Name, Hazard Class, and ID Number) Hazardous Waste Liquid, N.O.S.; ORM-E; NA9189 (K087), RQ		12 Quantity 0,01	13 Waste No. K087	14
15 Additional Descriptions for Materials Listed Above T; L (Rainwater Contaminated with Decanter Tar Sludge from Coking Operations)		16 Handling codes for Wastes Listed Above T-01		
17 Special Handling Instructions and Additional Information RQ = 100 lbs. OW-2415-005 Release 1005 See # 040334905 NJ RECAL 1 Temp				
18 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and all applicable state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.				
Printed/Typed Name J. Kurt Angermeyer		Signature <i>[Signature]</i>		Date 08/19/81
17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Marshall Margeran		Signature <i>[Signature]</i>		Date 08/19/81
18 Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date
19 Discrepancy Indication Boxes				
Printed/Typed Name J CRAWFORD		Signature <i>[Signature]</i>		Date 08/19/81



State of New Jersey
 Department of Environmental Protection
 Division of Waste Management
 CN 028, Trenton, NJ 08625

2415-004

Please print or type. (Form designed for use on 6 1/2 (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-

(609) 332-4990 (Toll Free) (609) 332-7172 (Fax)
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UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No P I A D 0 0 9 4 2 7 9 9 6	2 Page of 1	Information in the shaded area is not required by Federal
3 Generator's Name and Mailing Address Philadelphia Coca Richmond & Orthodox Sts. Philadelphia, PA		6 US EPA ID Number N J D 0 0 6 1 7 1 3 1 8 1 7 1 5 1 1 4	A State Manifest Document Number NJA026349	
4 Generator's Phone 215 535-7222		7 Transporter 2 Company Name Continental Vanguard, Inc.	B State Facility's ID No.	
5 Transporter 1 Company Name Continental Vanguard, Inc.		8 US EPA ID Number	C State Facility's ID No.	
9 Designated Facility Name and Site Address E.I. DuPont de Nemours Inc. Chambers Works Plant - Rta. 130 Deepwater, NJ 08023		10 US EPA ID Number N J D 0 0 2 3 8 5 7 3 0	H Facility's Phone 609/299-5000	
11 DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12 Containers	13 Total Quantity	14 Waste No.
3 Hazardous Waste Liquid, N.O.S.; ORM-E; NA9189 (K087), RQ		12 994	13 TI - 154100 G	14 K087
J. Additional Descriptions for Materials Listed Above T; L (Rainwater Contaminated with Decanter Tar Sludge from Coking operations)		K. Handling Codes for Wastes Listed Above FO1		
15 Special handling instructions and Additional information RQ = 100 lbs. OW-2415-004 Release 14		L. Seal Number SEAL NUMBER OWD334904		
16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and all applicable state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.		M. Signature and Date		
Printed, Typed Name J. Kurt Angermeier		Signature <i>J. Kurt Angermeier</i>		Date 9/8/88
17 Transporter 1 Acknowledgment of Receipt of Materials		N. Signature and Date		
Printed, Typed Name W. H. Johnson		Signature <i>W. H. Johnson</i>		Date 9/8/88
18 Transporter 2 Acknowledgment of Receipt of Materials		O. Signature and Date		
Printed, Typed Name		Signature		Date
19 Discrepancy Indication Scale		P. Signature and Date		
Printed, Typed Name J. Crawford		Signature <i>J. Crawford</i>		Date 12/8/1988



State of New Jersey
Department of Environmental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625

2415-003

Please print or type. (Form designed for use on sitte (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-

NJ Dept. of Environmental Protection, (609) 292-2000 (Toll Free) 800-717-7172

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No PA 099427996	2 Page 1 of 1	Information in the shaded areas is not required by Federal law.
3 Generator's Name and Mailing Address Philadelphia Coca Richmond & Orthodox Sts. Philadelphia, PA		4 Generator's Phone 215 535-7222	A State Manifest Document Number NJA026349	
5 Transporter 1 Company Name CONTINENTAL VANGUARD	6 US EPA ID Number IND 0693875714	[REDACTED]		
7 Transporter 2 Company Name	8 US EPA ID Number	[REDACTED]		
9 Designated Facility Name and Site Address E.I. Dupont de Nemours Inc. Chambers Works Plant - Rt. 130 Deepwater, NJ 08023		10 US EPA ID Number NJ D 0023857010	M Facility's Phone 609 299-5000	
11 US DOT Label (Including Proper Shipping Name, Hazard Class and ID Number)		12 Containers	13 Unit Wt/No	14 Waste No.
a Hazardous Waste Liquid, H.O.S.; ORM-E; NA9189 (K087), RQ		Type	Total Quantity	
		Q	5500	G K087
J Additional Descriptions for Materials Listed Above Y; L (Rainwater Contaminated with Decanter Tar Sludge from Coking Operations)		K Handling Codes for Materials Listed Above 1-01		
15 Special Handling Instructions and Additional Information RQ = 100 lbs. OH-2415-003 Release # 3 NJ Real Temp		SEAL NUMBER DWD334903		
16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and all applicable state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.		Signature <i>J. Kurt Ansermeier</i>	Date Month Day Year 9 9 1988	
17 Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Michael Meyer</i>	Date Month Day Year 9 9 1988	
18 Transporter 2 Acknowledgement of Receipt of Materials		Signature	Date	
19 Discrepancy Indication Space				
Printed/Typed Name J Crawford		Signature <i>J Crawford</i>	Date Month Day Year 10/16/88	



State of New Jersey
Department of Environmental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625

2415-006

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No PA9999927996	Master Document No 00002	2 Page 1 of 1	Information in the shaded areas is not required by Federal
3 Generator's Name and Mailing Address Philadelphia Coke Richmond & Orthodox Sts. Philadelphia, PA 535-7222		A State Manifest Document Number NJA 026349			
4 Generator's Phone 215	5 Transporter 1 Company Name CONTINENTAL VANGUARD, INC.	6 US EPA ID Number NJ1D101617131817151114			
	7 Transporter 2 Company Name	8 US EPA ID Number			
9 Designated Facility Name and Site Address E.I. DuPont de Nemours Inc. Chambers Works Plant - Rt. 130 Deepwater, NJ 08023		10 US EPA ID Number NJD002385730			
		11 Facility's Phone 609/299-3000			

12 US DOT Hazardous Material Name, Hazard Class, and ID Number	13 Containers		14 Unit Wt/Vol	15 Waste No.
	Type	Quantity		
a. Hazardous Waste Liquid, N.O.S.; ORM-B; NA9189 (K087), RQ	TT	954.90 G	G	K087
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above 1. L (Rainwater Contaminated w/Hexx Decanter Tar Sludge from Coking Operations)	16 Handling Instructions T-01
---	---

15 Special handling instructions and Additional information
RQ = 100 lbs. OW-2415-002 Release # 2

SEAL # OWD 334901
NJ DELTA # TEMP.

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed Typed Name JAMES V. HUSTED	Signature <i>James V. Husted</i>	Date 9/1/89
17 Transporter Acknowledgement of Receipt of Material Printed Typed Name W.H. JOHNSON	Signature <i>W.H. Johnson</i>	Date 9/1/89
18 Transporter Acknowledgement of Receipt of Materials Printed Typed Name <i>W.H. Johnson</i>	Signature <i>W.H. Johnson</i>	Date 9/1/89

19 Discrepancy Indication space

Printed Typed Name J. CRAWFORD	Signature <i>J. Crawford</i>	Date 10/8/89
--	---------------------------------	------------------------



State of New Jersey
 Department of Environmental Protection
 Division of Waste Management
 CN 028, Trenton, NJ 08625

2415-001

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039. Exp. 12-9-83

UNIFORM HAZARDOUS WASTE MANIFEST

NJ Dept. of Environmental Protection, (609) 292-8600 (Day) (609) 292-7172 (N)

1. Generator's US EPA ID No. P A D 0 0 0 4 2 7 9 9 6 0 0 0 0 1		2. Page of 1. Information in the shaded area is not required by Federal law.	
3. Generator's Name and Mailing Address Philadelphia Coke Richmond & Orthodox Sts. Philadelphia, PA		A. State Manifest Document Number NJA026349	
4. Generator's Phone 215 535-7222		B. State Gen. ID SAME	
5. Transporter's Name CONTINENTAL VANGUARD, INC.		C. State Transporter ID NJDEPS-3516	
6. Transporter's US EPA ID Number N J D 0 5 7 3 8 7 5 1 4		D. Transporter's Phone 609/931-0950	
7. Degraded Facility Name and Site Address E.I. Dupont De Nemours, Inc. Chambers Works Plant - Rt. 130 Deepwater, NJ 08023		E. State Transporter 2 ID	
8. Facility's US EPA ID Number N J D 0 0 2 3 8 5 7 3 1 0		F. Transporter's Phone	
		G. State Facility's ID	
		H. Facility's Phone 609/299-5000	

9. Hazardous Waste Name and Identification Number Hazardous Waste Liquid, N.O.S.; ORM-I; NA9189 (K087), RQ		Waste No. TT 991 245500 G K087	

10. Detailed Description for Materials Shipped T; L (Rainwater Contaminated W/Decanter Tar Sludge from Coking Operations		11. Date 98/11/8	
12. Quantity RQ - 100 lbs.		13. Date 98/11/8	
14. Release # OW-2415-001 XXXX Release # 1		15. Date 98/11/8	

ORIGINAL

C-4

16. GENERATOR'S CERTIFICATION I hereby declare that the contents of this manifest are true, correct, and accurate and are in all respects in proper condition for transport in compliance with applicable state laws and regulations.		17. Date 98/11/8	
18. Signature JAMES V. HUSTED		19. Date 98/11/8	
20. Signature Merrill Margolin		21. Date 98/11/8	
22. Printed Name Merrill Margolin		23. Date 98/11/8	

24. Discrepancy Indication Source		25. Date 98/11/8	
26. Signature J CRAWFORD		27. Date 98/11/8	

APPENDIX C-5

Drummed Waste Disposal Documents

SALES QUALITY CONTROL

Customer/Generator - PHILA. COKE CO.

Waste Name - WASTE OIL Reference # _____

Sales representative - JOHN BRESNAHAN (PER KS)

	Date	Initial
Date of initial contact	<u>5/3/88</u>	<u>JB (per KS)</u>
Date of personal contact	<u>5/9/88</u>	<u>JB (per KS)</u>
Date sample logged in (WDS)	_____	_____
Date lab results available	_____	_____
Date waste data sheet reviewed by facilities personnel	_____	_____
Note: If more than 4 weeks, date lab/facilities notify sales, so customer could be informed of delay.	_____	_____
Date of waste approval	_____	_____
Date quote mailed	_____	_____
Date of pickup	_____	_____
Elapsed time in weeks/days from initial contact to quote.	_____	_____

code: WDS.Pg6

rev. 3/9/88

SECTION IIB, PROCESS GENERATING WASTE:

THIS MATERIAL WAS LEFT OVER AT PLANT CLOSING. TO THE BEST OF ANYONE'S KNOWLEDGE, IT IS SPENT LUBRICATING OIL FROM IN-PLANT MACHINERY. HOWEVER, IT HAS A TAR-LIKE ODDOR AND IT IS LIKELY THAT ANOTHER COMPONENT IS MIXED IN WITH IT. A VOC SCAN WOULD DETERMINE THIS.

SECTION IIC, FLOW DIAGRAM OF PROCESS GENERATING WASTE:

THIS SECTION IS FOR DCC USE ONLY

REF #: _____ DATE LOGGED IN: _____ DATE COMPLETED: _____ SAVE?: _____

PHYS. STATE: _____ PHASES: _____ COLOR: _____ ODOR: _____

FL. PT.: _____ VISCOSITY: _____ HEAT CONTENT: _____ SP. WT.: _____

TOX: _____ SULFUR: _____ ASH: _____ TOTAL RESIDUE: _____ OIL & GREASE: _____

WATER: _____ pH: _____ SUSS. SOLIDS: _____ DISS. SOLIDS: _____ CYANIDE: _____

SULFIDES: _____ PCB's: _____ FPCT: _____ WWTCT: _____ BCT: _____

TOTAL (_____)	LEACHABLE (mg/l)	TOTAL	LEACHABLE
Ag _____	_____	Hg _____	_____
Al _____	_____	Fe _____	_____
As _____	_____	Mn _____	_____
Ba _____	_____	Ni _____	_____
Be _____	_____	Pb _____	_____
Cd _____	_____	Se _____	_____
Cr _____	_____	Tl _____	_____
Cu _____	_____	Zn _____	_____

AFTER COMPLETING ANALYSIS, THE FOLLOWING MANIFEST CHANGES SHOULD BE MADE:

D.O.T. SHIPPING NAME: _____

D.O.T. HAZARD CLASS: _____

ID #: _____ EPA WASTE #: _____ EPA HAZ Code: _____

LABORATORY'S RECOMMENDED DISPOSAL METHODS/COMMENTS: _____

QUOTE AT THE FOLLOWING PRICES:

PER GALLON	\$ _____	TRANSPORTATION	\$ _____
PER DRUM	\$ _____	LAB FEES	\$ _____
PER TON	\$ _____	DEMURRAGE (PER HOUR)	\$ _____
PER YARD*	\$ _____	LABOR (PER HOUR)	\$ _____

APPROVALS: LAB MGR: _____ PROCESS MGR: _____ SALES/MGNT _____

REJECTIONS, WHO/WHY: _____ Date _____

F. LIST ANY OTHER KNOWN OR SUSPECTED ACUTE OR CHRONIC HAZARDS ASSOCIATED WITH HUMAN CONTACT OR EXPOSURE TO THIS WASTE. AVOID CONTACT WITH SKIN AND EYES, PROLONGED INGESTION OF VAPORS.

G. ARE THERE ANY MATERIALS WHICH THE GENERATOR KNOWS TO BE INCOMPATIBLE WITH THE WASTE, WHICH WOULD RESULT IN HEAT OR VAPOR/GAS RELEASE IF ALLOWED TO COME INTO CONTACT? STRONG ACIDS, OXIDIZING AGENTS, ALKALIS, HEAT, SPARKS, OPEN FLAME.

H. IS THE INFORMATION PROVIDED IN THIS SECTION (IV) BASED ON LABORATORY ANALYSIS OF THE WASTE? NO IF YES, PLEASE ATTACH ANALYSIS.

I. COMMENTS: BOTH DRUMS REQUIRE OVERPACKING PRIOR TO SHIPMENT.

J. THE GENERATOR OF THE WASTE DESCRIBED ON THIS WASTE DATA SHEET, BY SIGNATURE BELOW, OF ITS DULY AUTHORIZED REPRESENTATIVE, HEREBY REPRESENTS AND WARRANTS THAT TO THE BEST OF ITS KNOWLEDGE THE INFORMATION CONTAINED HEREIN IS TRUE, ACCURATE AND COMPLETE IN ALL RESPECTS.

GENERATOR'S SIGNATURE: John T. Van Kenner
TITLE: VICE PRESIDENT - TECHNOLOGY DATE: 5/15/88

NOTE: ATTACH COPIES OF ALL MATERIAL SAFETY DATA SHEETS (MSDS) APPLICABLE TO THIS WASTE, OR TO ITS HAZARDOUS WASTE CONSTITUENTS.

IV. WASTE COMPOSITION

A. IDENTIFY ALL COMPONENTS PRESENT AT 0.1% OR GREATER. RANGES ARE PREFERRED. FOR SOLIDIFICATION-CANDIDATE WASTES, REPORT ORGANICS WITH BOILING POINTS LESS THAN 180°F IN mg/kg AT 100 ppm LEVEL (0.01%).

	<u>COMPONENT</u>	<u>CONCENTRATION (Units)</u>
1.	<u>OIL</u>	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

B. DOES THIS WASTE CONTAIN ENDRIN (D012)? NO LINDANE (D013)? NO
 METHOXYCHLOR (D014)? NO TOXAPHENE (D015)? NO 2,4-D (D016)? NO
 2,4,5-TP SILVEX (D017)? NO IF YES, PLEASE ATTACH ANALYSES.

C. DOES THIS WASTE CONTAIN PCB'S? NO IF YES, ATTACH ANALYSES.

D. DOES THIS WASTE CONTAIN ANY BIOLOGICAL MATERIAL, PATHOGENS, ETOLOGICAL, OR RADIOACTIVE WASTE? NO IF YES, ATTACH ANALYSES.

E. METAL CONCENTRATIONS. REPORT AS TOTAL OR LEACHABLE. INCLUDE UNITS.

Arsenic (As) _____	Lead (Pb) _____	Aluminum (Al) _____	Manganese (Mn) _____
Barium (Ba) _____	Mercury (Hg) _____	Copper (Cu) _____	Nickel (Ni) _____
Cadmium (Cd) _____	Selenium (Se) _____	Iron (Fe) _____	Zinc (Zn) _____
Chromium (Cr) _____	Silver (Ag) _____	_____	_____

S.E.F. P.O.#: VERBAL - FOR JIM HUSTED - 300

4 OF 4

REF#: _____

THIS FORM MUST BE COMPLETE. LEAVE NO BLANKS.
(SITE IS AT RICHMOND AND ORTHODOX STS., PHILA., PA)

I. GENERAL INFORMATION

- A. GENERATOR'S NAME: PHILADELPHIA COKE CO. (% EASTERN GAS & FUEL ASSOCIATES)
B. FACILITY STREET ADDRESS: 9 RIVERSIDE ROAD
C. CITY, STATE, ZIP CODE: WESTON MASS. 02193
D. GENERATOR CONTACT: JIM HUSTED PHONE # (215) 825 - 3000
E. EPA I.D. #: PAD 006427906
F. SUBMITTER OF SAMPLE IF NOT GENERATOR, COMPANY NAME: WOODWARD-CLYDE ASSOCIATES
G. STREET ADDRESS: 5120 BUTLER PIKE
H. CITY, STATE, ZIP CODE: PLYMOUTH MEETING PA. 19462
I. SUBMITTER CONTACT: JIM HUSTED PHONE # (215) 825 - 3000

II. WASTE DESCRIPTION

- A. GENERATOR'S COMMON NAME FOR WASTE: WASTE OIL
B. PROCESS GENERATING WASTE (PLEASE USE THE SPACE PROVIDED ON PAGE 5)
C. FLOW DIAGRAM OF PROCESS GENERATING WASTE (PLEASE USE THE SPACE PROVIDED ON PG.5)
D. FREQUENCY OF SHIPMENTS: ONE TIME AMT./SHIPMENT: 2 DMS.
E. ANNUAL QUANTITY: N/A PACKAGING: 55 GALLON
F. PROPER D.O.T. SHIPPING NAME FOR THE WASTE (49 CFR 172.01 + 173):
WASTE OIL
G. D.O.T. HAZARD CLASSIFICATION: COMBUSTIBLE LIQUID
H. D.O.T. ID#, UN (NA): 1270 EPA WASTE #: N/A EPA HAZARD CODES: N/A

III. WASTE CHARACTERISTICS:

- A. PHYSICAL STATE @ 70 °F: GAS _____ LIQUID X SOLID _____ SLUDGE _____
B. PHASES: ONE X TWO _____ MULTIPLE (_____ NUMBER)
C. COLOR: BLACK D. DESCRIBE ODOR: OIL AND TAR
E. FLASH POINT: > 140 °F (CLOSED CUP ONLY) F. HEAT CONTENT: > 10,000 BTU/lb
G. SPECIFIC WEIGHT (i.e., WEIGHT/VOLUME): ≈ 0.80 H. TOX: N.T.
I. SULFUR: NONE J. ASH: < 5% K. WATER: NONE L. pH: N.T.
M. CYANIDE: NONE Det. Lmt.: _____ N. SULFIDE: NONE Det. Lmt.: _____

Note: Detection limits for cyanide and sulfide must be at least 100 and 250 mg/kg, respectively.

SALES QUALITY CONTROL

Customer/Generator - PHILA COKE CO.

Waste Name - MORTAR SAND PATCH Reference # _____

Sales representative - JOHN BRESNAHAN (PER KS)

	Date	Initial
Date of initial contact	<u>5/3/88</u>	<u>JB(per KS)</u>
Date of personal contact	<u>5/9/88</u>	<u>JB(per KS)</u>
Date sample logged in (WDS)	_____	_____
Date lab results available	_____	_____
Date waste data sheet reviewed by facilities personnel	_____	_____
Note: If more than 4 weeks, date lab/facilities notify sales, so customer could be informed of delay.	_____	_____
Date of waste approval	_____	_____
Date quote mailed	_____	_____
Date of pickup	_____	_____
Elapsed time in weeks/days from initial contact to quote.	_____	_____

code: WDS.Pg6

rev. 3/9/88

SECTION IIB, PROCESS GENERATING WASTE:

THIS MATERIAL WAS LEFT OVER AT PLANT CLOSING. IT IS TO BE
DISPOSED OF AS A WASTE.

SECTION IIC, FLOW DIAGRAM OF PROCESS GENERATING WASTE:

THIS SECTION IS FOR DCC USE ONLY

REF #: _____ DATE LOGGED IN: _____ DATE COMPLETED: _____ SAVE?: _____

PHYS. STATE: _____ PHASES: _____ COLOR: _____ ODOR: _____

FL. PT.: _____ VISCOSITY: _____ HEAT CONTENT: _____ SP. WT.: _____

TOX: _____ SULFUR: _____ ASH: _____ TOTAL RESIDUE: _____ OIL & GREASE: _____

WATER: _____ pH: _____ SUSS. SOLIDS: _____ DISS. SOLIDS: _____ CYANIDE: _____

SULFIDES: _____ PCP's: _____ FPCT: _____ WWTCT: _____ BCT: _____

TOTAL (_____)	LEACHABLE (mg/l)	TOTAL	LEACHABLE
Ag _____	_____	Hg _____	_____
Al _____	_____	Fe _____	_____
As _____	_____	Mn _____	_____
Ba _____	_____	Ni _____	_____
Be _____	_____	Pb _____	_____
Cd _____	_____	Se _____	_____
Cr _____	_____	Tl _____	_____
Cu _____	_____	Zn _____	_____

AFTER COMPLETING ANALYSIS, THE FOLLOWING MANIFEST CHANGES SHOULD BE MADE:

D.O.T. SHIPPING NAME: _____

D.O.T. HAZARD CLASS: _____

ID #: _____ EPA WASTE #: _____ EPA HAZ Code: _____

LABORATORY'S RECOMMENDED DISPOSAL METHODS/COMMENTS: _____

QUOTE AT THE FOLLOWING PRICES:

PER GALLON	\$ _____	TRANSPORTATION	\$ _____
PER DRUM	\$ _____	LAB FEES	\$ _____
PER TON	\$ _____	DEMURRAGE (PER HOUR)	\$ _____
PER YARD ³	\$ _____	LABOR (PER HOUR)	\$ _____

APPROVALS: LAB MGR: _____ PROCESS MGR: _____ SALES/MGNT _____

REJECTIONS, WHO/WHY: _____ Date _____

F. LIST ANY OTHER KNOWN OR SUSPECTED ACUTE OR CHRONIC HAZARDS ASSOCIATED WITH HUMAN CONTACT OR EXPOSURE TO THIS WASTE. NONE

G. ARE THERE ANY MATERIALS WHICH THE GENERATOR KNOWS TO BE INCOMPATIBLE WITH THE WASTE, WHICH WOULD RESULT IN HEAT OR VAPOR/GAS RELEASE IF ALLOWED TO COME INTO CONTACT?
NO

H. IS THE INFORMATION PROVIDED IN THIS SECTION (IV) BASED ON LABORATORY ANALYSIS OF THE WASTE? NO IF YES, PLEASE ATTACH ANALYSIS.

I. COMMENTS: BOTH DRUMS AND ONE 5-GAL PAIL REQUIRE OVERPACKING.

J. THE GENERATOR OF THE WASTE DESCRIBED ON THIS WASTE DATA SHEET, BY SIGNATURE BELOW, OF ITS DULY AUTHORIZED REPRESENTATIVE, HEREBY REPRESENTS AND WARRANTS THAT TO THE BEST OF ITS KNOWLEDGE THE INFORMATION CONTAINED HEREIN IS TRUE, ACCURATE AND COMPLETE IN ALL RESPECTS.

GENERATOR'S SIGNATURE: John T. McKeown

TITLE: VICE PRESIDENT - TECHNOLOGY

DATE: 5/18/88

NOTE: ATTACH COPIES OF ALL MATERIAL SAFETY DATA SHEETS (MSDS) APPLICABLE TO THIS WASTE, OR TO ITS HAZARDOUS WASTE CONSTITUENTS.

IV. WASTE COMPOSITION

A. IDENTIFY ALL COMPONENTS PRESENT AT 0.1% OR GREATER. RANGES ARE PREFERRED. FOR SOLIDIFICATION-CANDIDATE WASTES, REPORT ORGANICS WITH BOILING POINTS LESS THAN 180°F IN mg/kg AT 100 ppm LEVEL (0.01%).

	<u>COMPONENT</u>	<u>CONCENTRATION (Units)</u>
1.	<u>MORTAR SAND</u>	<u>>95%</u>
2.	<u>SURFACE DIRT</u>	<u><5%</u>
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____

B. DOES THIS WASTE CONTAIN ENDRIN (D012)? NO LINDANE (D013)? NO
 METHOXYCHLOR (D014)? NO TOXAPHENE (D015)? NO 2,4-D (D016)? NO
 2,4,5-TP SILVEX (D017)? NO IF YES, PLEASE ATTACH ANALYSES.

C. DOES THIS WASTE CONTAIN PCB's? NO IF YES, ATTACH ANALYSES.

D. DOES THIS WASTE CONTAIN ANY BIOLOGICAL MATERIAL, PATHOGENS, ETIOLOGICAL, OR RADIOACTIVE WASTE? NO IF YES, ATTACH ANALYSES.

E. METAL CONCENTRATIONS. REPORT AS TOTAL OR LEACHABLE. INCLUDE UNITS.

Arsenic (As) _____	Lead (Pb) _____	Aluminum (Al) _____	Manganese (Mn) _____
Barium (Ba) _____	Mercury (Hg) _____	Copper (Cu) _____	Nickel (Ni) _____
Cadmium (Cd) _____	Selenium (Se) _____	Iron (Fe) _____	Zinc (Zn) _____
Chromium (Cr) _____	Silver (Ag) _____	_____	_____

S.E.F. P.O.#: VERBAL - POC JIM HUSTED - 300

REF#: _____

THIS FORM MUST BE COMPLETE. LEAVE NO BLANKS.

(SITE IS RICHMOND AND ORTHODOX STS., PHILA., PA)

I. GENERAL INFORMATION

- A. GENERATOR'S NAME: PHILADELPHIA COKE CO. (C/O EASTERN GAS & FUEL ASSOCIATES)
- B. FACILITY STREET ADDRESS: 9 RIVERSIDE ROAD
- C. CITY, STATE, ZIP CODE: WESTON MASS. 02193
- D. GENERATOR CONTACT: JIM HUSTED PHONE # (215) 825-3000
- E. EPA I.D. #: PAD 000 427 906
- F. SUBMITTER OF SAMPLE IF NOT GENERATOR, COMPANY NAME: WOODWARD-CLYDE ASSOCIATES
- G. STREET ADDRESS: 5120 BUTLER PIKE
- H. CITY, STATE, ZIP CODE: PLYMOUTH MEETING PA 19462
- I. SUBMITTER CONTACT: JIM HUSTED PHONE # (215) 825-3000

II. WASTE DESCRIPTION

- A. GENERATOR'S COMMON NAME FOR WASTE: WASTE MORTAR SAND PATCH
- B. PROCESS GENERATING WASTE (PLEASE USE THE SPACE PROVIDED ON PAGE 5)
- C. FLOW DIAGRAM OF PROCESS GENERATING WASTE (PLEASE USE THE SPACE PROVIDED ON PG.5)
- D. FREQUENCY OF SHIPMENTS: ONE TIME AMT./SHIPMENT: 2 DRS (1) 5 GAL AIR
- E. ANNUAL QUANTITY: N/A PACKAGING: (2) 55 GAL, 1 5 GAL AIR
- F. PROPER D.O.T. SHIPPING NAME FOR THE WASTE (49 CFR 172.01 + 173):
NON-REGULATED SOLID, NOS (MORTAR SAND)
- G. D.O.T. HAZARD CLASSIFICATION: N/A
- H. D.O.T. ID#, UN/NA: N/A EPA WASTE #: N/A EPA HAZARD CODES: N/A

III. WASTE CHARACTERISTICS:

- A. PHYSICAL STATE @ 70 °F: GAS _____ LIQUID _____ SOLID X SLUDGE _____
- B. PHASES: ONE _____ TWO _____ MULTIPLE (_____ NUMBER)
- C. COLOR: WHITISH TAN D. DESCRIBE ODOR: NONE
- E. FLASH POINT: > 200 °F (CLOSED CUP ONLY) F. HEAT CONTENT: < 1000 BTU/lb.
- G. SPECIFIC WEIGHT (i.e., WEIGHT/VOLUME): ≅ 1.2 H. TOX: NONE
- I. SULFUR: NONE J. ASH: N/A K. WATER: NONE L. pH: N.I.T.
- M. CYANIDE: NONE Det. Lmt.: — N. SULFIDE: NONE Det. Lmt.: —

Note: Detection limits for cyanide and sulfide must be at least 100 and 250 mg/kg, respectively.

SALES QUALITY CONTROL

Customer/Generator - PHILA. COKE CO.

Waste Name - CLEANER-AMMONIATED LIQUID Reference # _____

Sales representative - JOHN BRESNAHAN (PER K.S.)

	Date	Initial
Date of initial contact	<u>5/3/88</u>	<u>JB(per KS)</u>
Date of personal contact	<u>5/9/88</u>	<u>JB(per KS)</u>
Date sample logged in (WDS)	_____	_____
Date lab results available	_____	_____
Date waste data sheet reviewed by facilities personnel	_____	_____
Note: If more than 4 weeks, date lab/facilities notify sales, so customer could be informed of delay.		
Date of waste approval	_____	_____
Date quote mailed	_____	_____
Date of pickup	_____	_____
Elapsed time in weeks/days from initial contact to quote.	_____	_____

code: WDS.Pg6

rev. 3/9/88

SECTION IIB, PROCESS GENERATING WASTE:

THIS MATERIAL IS AN ALKALINE STRIPPER SOLUTION THAT WAS LEFT OVER AT PLANT CLOSING. THERE IS NO INFORMATION AS TO THE EXACT NATURE OF GENERATION. BEST GUESS IS THAT IT WAS USED TO CLEAN FLOORS IN THE PRODUCTION AREA.

SECTION IIC, FLOW DIAGRAM OF PROCESS GENERATING WASTE:

THIS SECTION IS FOR DCC USE ONLY

REF #: _____ DATE LOGGED IN: _____ DATE COMPLETED: _____ SAVE?: _____

PHYS. STATE: _____ PHASES: _____ COLOR: _____ ODOR: _____

FL. PT.: _____ VISCOSITY: _____ HEAT CONTENT: _____ SP. WT.: _____

TOX: _____ SULFUR: _____ ASH: _____ TOTAL RESIDUE: _____ OIL & GREASE: _____

*ATER: _____ pH: _____ SUSS. SOLIDS: _____ DISS. SOLIDS: _____ CYANIDE: _____

SULFIDES: _____ PCB's: _____ FPCT: _____ WWTCT: _____ BCT: _____

<u>TOTAL</u> (_____)		<u>LEACHABLE</u> (mg/l)	
Ag	_____	Hg	_____
Al	_____	Fe	_____
As	_____	Mn	_____
Ba	_____	Ni	_____
Be	_____	Pb	_____
Cd	_____	Se	_____
Cr	_____	Tl	_____
Cu	_____	Zn	_____

AFTER COMPLETING ANALYSIS, THE FOLLOWING MANIFEST CHANGES SHOULD BE MADE:

D.O.T. SHIPPING NAME: _____

D.O.T. HAZARD CLASS: _____

ID #: _____ EPA WASTE #: _____ EPA HAZ Code: _____

LABORATORY'S RECOMMENDED DISPOSAL METHODS/COMMENTS: _____

QUOTE AT THE FOLLOWING PRICES:

PER GALLON	\$ _____	TRANSPORTATION	\$ _____
PER DRUM	\$ _____	LAB FEES	\$ _____
PER TON	\$ _____	DEMURRAGE (PER HOUR)	\$ _____
PER YARD ³	\$ _____	LABOR (PER HOUR)	\$ _____

APPROVALS: LAB MGR: _____ PROCESS MGR: _____ SALES/MGNT _____

REJECTIONS, WHO/WHY: _____ Date _____

F. LIST ANY OTHER KNOWN OR SUSPECTED ACUTE OR CHRONIC HAZARDS ASSOCIATED WITH HUMAN CONTACT OR EXPOSURE TO THIS WASTE. AVOID CONTACT WITH SKIN. AVOID INGESTION OF VAPORS

G. ARE THERE ANY MATERIALS WHICH THE GENERATOR KNOWS TO BE INCOMPATIBLE WITH THE WASTE, WHICH WOULD RESULT IN HEAT OR VAPOR/GAS RELEASE IF ALLOWED TO COME INTO CONTACT?

H. IS THE INFORMATION PROVIDED IN THIS SECTION (IV) BASED ON LABORATORY ANALYSIS OF THE WASTE? NO IF YES, PLEASE ATTACH ANALYSIS.

I. COMMENTS: THIS DRUM NEEDS TO BE OVERPACKED.

J. THE GENERATOR OF THE WASTE DESCRIBED ON THIS WASTE DATA SHEET, BY SIGNATURE BELOW, OF ITS DULY AUTHORIZED REPRESENTATIVE, HEREBY REPRESENTS AND WARRANTS THAT TO THE BEST OF ITS KNOWLEDGE THE INFORMATION CONTAINED HEREIN IS TRUE, ACCURATE AND COMPLETE IN ALL RESPECTS.

GENERATOR'S SIGNATURE: John T. McKenna
TITLE: VICE PRESIDENT - TECHNOLOGY DATE: 5/15/81

NOTE: ATTACH COPIES OF ALL MATERIAL SAFETY DATA SHEETS (MSDS) APPLICABLE TO THIS WASTE, OR TO ITS HAZARDOUS WASTE CONSTITUENTS.

IV. WASTE COMPOSITION

- A. IDENTIFY ALL COMPONENTS PRESENT AT 0.1% OR GREATER. RANGES ARE PREFERRED. FOR SOLIDIFICATION-CANDIDATE WASTES, REPORT ORGANICS WITH BOILING POINTS LESS THAN 180°F IN mg/kg AT 100 ppm LEVEL (0.01%).

	<u>COMPONENT</u>	<u>CONCENTRATION (Units)</u>
1.	<u>ALKALINE CLEANING SOLUTION</u>	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____

- B. DOES THIS WASTE CONTAIN ENDRIN (D012)? NO LINDANE (D013)? NO
 METHOXYCHLOR (D014)? NO TOXAPHENE (D015)? NO 2,4-D (D016)? NO
 2,4,5-TP SILVEX (D017)? NO IF YES, PLEASE ATTACH ANALYSES.

- C. DOES THIS WASTE CONTAIN PCB'S? NO IF YES, ATTACH ANALYSES.

- D. DOES THIS WASTE CONTAIN ANY BIOLOGICAL MATERIAL, PATHOGENS, ETOLOGICAL, OR RADIOACTIVE WASTE? NO IF YES, ATTACH ANALYSES.

- E. METAL CONCENTRATIONS. REPORT AS TOTAL OR LEACHABLE. INCLUDE UNITS.

Arsenic (As) _____	Lead (Pb) _____	Aluminum (Al) _____	Manganese (Mn) _____
Barium (Ba) _____	Mercury (Hg) _____	Copper (Cu) _____	Nickel (Ni) _____
Cadmium (Cd) _____	Selenium (Se) _____	Iron (Fe) _____	Zinc (Zn) _____
Chromium (Cr) _____	Silver (Ag) _____	_____	_____

S.E.F. P.O.#: VERBAL-Per JIM HUSTED - \$300

2 OF 4

REF#: _____

THIS FORM MUST BE COMPLETE. LEAVE NO BLANKS.

(SITE IS AT RICHMOND & ORTHODOX STS., PHILA., PA)

I. GENERAL INFORMATION

- A. GENERATOR'S NAME: PHILADELPHIA COKE CO.
- B. FACILITY STREET ADDRESS: 910 EASTERN GAS & FUEL ASSOCIATES, 9 RIVERSIDE RD.
- C. CITY, STATE, ZIP CODE: WESTON MASS. 02193
- D. GENERATOR CONTACT: JIM HUSTED PHONE # (215) 825-3000
- E. EPA I.D. #: PAD 000427906
- F. SUBMITTER OF SAMPLE IF NOT GENERATOR, COMPANY NAME: WOODWARD-CLYDE CONSULTANTS
- G. STREET ADDRESS: 5120 BUTLER PIKE
- H. CITY, STATE, ZIP CODE: PLYMOUTH MEETING PA 19462
- I. SUBMITTER CONTACT: JIM HUSTED PHONE # (215) 825-3000

II. WASTE DESCRIPTION

- A. GENERATOR'S COMMON NAME FOR WASTE: CLENNER - AMMONIATED LIQUID
- B. PROCESS GENERATING WASTE (PLEASE USE THE SPACE PROVIDED ON PAGE 5)
- C. FLOW DIAGRAM OF PROCESS GENERATING WASTE (PLEASE USE THE SPACE PROVIDED ON PG.5)
- D. FREQUENCY OF SHIPMENTS: ONE TIME AMT./SHIPMENT: 1 DM
- E. ANNUAL QUANTITY: N/A PACKAGING: 55 GALLON DM
- F. PROPER D.O.T. SHIPPING NAME FOR THE WASTE (49 CFR 172.01 + 173):
NON-REGULATED LIQUID, N.O.S. (AMMONIATED FLOOR CLENNER)
- G. D.O.T. HAZARD CLASSIFICATION: N/A
- H. D.O.T. ID#, UN/NA: N/A EPA WASTE #: N/A EPA HAZARD CODES: N/A

III. WASTE CHARACTERISTICS:

- A. PHYSICAL STATE @ 70 °F: GAS _____ LIQUID X SOLID _____ SLUDGE _____
- B. PHASES: ONE X TWO _____ MULTIPLE (_____ NUMBER)
- C. COLOR: DARK BROWN D. DESCRIBE ODOR: SLIGHT AMMONIATED ODOR
- E. FLASH POINT: > 140 °F (CLOSED CUP ONLY) F. HEAT CONTENT: < 1000 BTU/lb.
- G. SPECIFIC WEIGHT (i.e., WEIGHT/VOLUME): N.T. H. TOX: N.T.
- I. SULFUR: NONE J. ASH: N/A K. WATER: N.T. L. pH: 8
- M. CYANIDE: N.T. Det. Lmt.: - N. SULFIDE: N.T. Det. Lmt.: -

Note: Detection limits for cyanide and sulfide must be at least 100 and 250 mg/kg, respectively.

SALES QUALITY CONTROL

Customer/Generator - PHILA COKE CO.

Waste Name - GREASE Reference # _____

Sales representative - JOHN BRESNAHAN (PER KS)

	Date	Initial
Date of initial contact	<u>5/3/88</u>	<u>KS (for JB)</u>
Date of personal contact	<u>5/9/88</u>	<u>KS (for JB)</u>
Date sample logged in (WDS)	_____	_____
Date lab results available	_____	_____
Date waste data sheet reviewed by facilities personnel	_____	_____
Note: If more than 4 weeks, date lab/facilities notify sales, so customer could be informed of delay.	_____	_____
Date of waste approval	_____	_____
Date quote mailed	_____	_____
Date of pickup	_____	_____
Elapsed time in weeks/days from initial contact to quote.	_____	_____

code: WDS.Pg6

rev. 3/9/88

SECTION IIB, PROCESS GENERATING WASTE:

THIS MATERIAL IS THE RESULT OF A PLANT CLOSING. IT WAS LEFT OVER AND IS TO BE DISPOSED OF AS A WASTE.

SECTION IIC, FLOW DIAGRAM OF PROCESS GENERATING WASTE:

THIS SECTION IS FOR DCC USE ONLY

REF #: _____ DATE LOGGED IN: _____ DATE COMPLETED: _____ SAVE?: _____

PHYS. STATE: _____ PHASES: _____ COLOR: _____ ODOR: _____

FL. PT.: _____ VISCOSITY: _____ HEAT CONTENT: _____ SP. WT.: _____

TOX: _____ SULFUR: _____ ASH: _____ TOTAL RESIDUE: _____ OIL & GREASE: _____

WATER: _____ pH: _____ SUSS. SOLIDS: _____ DISS. SOLIDS: _____ CYANIDE: _____

SULFIDES: _____ PCB's: _____ FPCT: _____ WWTCT: _____ BCT: _____

	TOTAL (_____)	LEACHABLE (mg/l)		TOTAL	LEACHABLE
Ag	_____	_____	Hg	_____	_____
Al	_____	_____	Fe	_____	_____
As	_____	_____	Mn	_____	_____
Ba	_____	_____	Ni	_____	_____
Be	_____	_____	Pb	_____	_____
Cd	_____	_____	Se	_____	_____
Cr	_____	_____	Tl	_____	_____
Cu	_____	_____	Zn	_____	_____

AFTER COMPLETING ANALYSIS, THE FOLLOWING MANIFEST CHANGES SHOULD BE MADE:

D.O.T. SHIPPING NAME: _____

D.O.T. HAZARD CLASS: _____

ID #: _____ EPA WASTE #: _____ EPA HAZ Code: _____

LABORATORY'S RECOMMENDED DISPOSAL METHODS/COMMENTS: _____

QUOTE AT THE FOLLOWING PRICES:

PER GALLON	s	_____	TRANSPORTATION	s	_____
PER DRUM	s	_____	LAB FEES	s	_____
PER TON	s	_____	DEMURRAGE (PER HOUR)	s	_____
PER YARD ³	s	_____	LABOR (PER HOUR)	s	_____

APPROVALS: LAB MGR: _____ PROCESS MGR: _____ SALES/MGNT _____

REJECTIONS, WHO/WHY: _____ Date _____

F. LIST ANY OTHER KNOWN OR SUSPECTED ACUTE OR CHRONIC HAZARDS ASSOCIATED WITH HUMAN CONTACT OR EXPOSURE TO THIS WASTE. AVOID DIRECT SKIN CONTACT.

G. ARE THERE ANY MATERIALS WHICH THE GENERATOR KNOWS TO BE INCOMPATIBLE WITH THE WASTE, WHICH WOULD RESULT IN HEAT OR VAPOR/GAS RELEASE IF ALLOWED TO COME INTO CONTACT? STRONG MINERAL ACIDS, OXIDIZING AGENTS, ALKALIS.

H. IS THE INFORMATION PROVIDED IN THIS SECTION (IV) BASED ON LABORATORY ANALYSIS OF THE WASTE? NO IF YES, PLEASE ATTACH ANALYSIS.

I. COMMENTS: ALL 4 DRUMS NEED TO BE OVERPACKED.

J. THE GENERATOR OF THE WASTE DESCRIBED ON THIS WASTE DATA SHEET, BY SIGNATURE BELOW, OF ITS DULY AUTHORIZED REPRESENTATIVE, HEREBY REPRESENTS AND WARRANTS THAT TO THE BEST OF ITS KNOWLEDGE THE INFORMATION CONTAINED HEREIN IS TRUE, ACCURATE AND COMPLETE IN ALL RESPECTS.

GENERATOR'S SIGNATURE: [Signature]

TITLE: VICE PRESIDENT - TECHNOLOGY

DATE: 5/18/89

NOTE: ATTACH COPIES OF ALL MATERIAL SAFETY DATA SHEETS (MSDS) APPLICABLE TO THIS WASTE, OR TO ITS HAZARDOUS WASTE CONSTITUENTS.

IV. WASTE COMPOSITION

A. IDENTIFY ALL COMPONENTS PRESENT AT 0.1% OR GREATER. RANGES ARE PREFERRED. FOR SOLIDIFICATION-CANDIDATE WASTES, REPORT ORGANICS WITH BOILING POINTS LESS THAN 180°F IN mg/kg AT 100 ppm LEVEL (0.01%).

<u>COMPONENT</u>	<u>CONCENTRATION (Units)</u>
1. <u>GREASE (LUBRICATING)</u>	<u>100%</u>
2. <u>(2 DRUMS CONTAIN WOODEN</u>	_____
3. <u>STICKS THAT WERE USED TO</u>	_____
4. <u>CHECK VISCOSITY DURING</u>	_____
5. <u>A PREVIOUS SAMPLING)</u>	_____
6. _____	_____
7. _____	_____
8. _____	_____
9. _____	_____
10. _____	_____

B. DOES THIS WASTE CONTAIN ENDRIN (D012)? NO LINDANE (D013)? NO
 METHOXYCHLOR (D014)? NO TOXAPHENE (D015)? NO 2,4-D (D016)? NO
 2,4,5-TP SILVEX (D017)? NO IF YES, PLEASE ATTACH ANALYSES.

C. DOES THIS WASTE CONTAIN PCB'S? NO IF YES, ATTACH ANALYSES.

D. DOES THIS WASTE CONTAIN ANY BIOLOGICAL MATERIAL, PATHOGENS,ETOLOGICAL,
 OR RADIOACTIVE WASTE? NO IF YES, ATTACH ANALYSES.

E. METAL CONCENTRATIONS. REPORT AS TOTAL OR LEACHABLE. INCLUDE UNITS.

Arsenic (As) _____	Lead (Pb) _____	Aluminum (Al) _____	Manganese (Mn) _____
Barium (Ba) _____	Mercury (Hg) _____	Copper (Cu) _____	Nickel (Ni) _____
Cadmium (Cd) _____	Selenium (Se) _____	Iron (Fe) _____	Zinc (Zn) _____
Chromium (Cr) _____	Silver (Ag) _____	_____	_____

S.E.F. P.O.#: VERBAL PER JIM HUSTED - #300 10F4 REF#:

THIS FORM MUST BE COMPLETE. LEAVE NO BLANKS.
(SITE IS AT RICHMOND & ORTH DOX STS., PHILA., PA.)

I. GENERAL INFORMATION

- A. GENERATOR'S NAME: PHILADELPHIA COKE CO. (% EASTERN GAS & FUEL ASSOCIATES)
- B. FACILITY STREET ADDRESS: 9 RIVERSIDE ROAD
- C. CITY, STATE, ZIP CODE: WESTON MASS 02193
- D. GENERATOR CONTACT: JIM HUSTED PHONE # (215) 825-3000
- E. EPA I.D. #: PAD000427906
- F. SUBMITTER OF SAMPLE IF NOT GENERATOR, COMPANY NAME: WOODWARD-CLYDE CONSULTANTS
- G. STREET ADDRESS: 5120 BUTLER PIKE
- H. CITY, STATE, ZIP CODE: PLYMOUTH MEETING PA 19462
- I. SUBMITTER CONTACT: JIM HUSTED PHONE # (215) 825-3000

II. WASTE DESCRIPTION

- A. GENERATOR'S COMMON NAME FOR WASTE: WASTE GREASE
- B. PROCESS GENERATING WASTE (PLEASE USE THE SPACE PROVIDED ON PAGE 5)
- C. FLOW DIAGRAM OF PROCESS GENERATING WASTE (PLEASE USE THE SPACE PROVIDED ON PG. 5)
- D. FREQUENCY OF SHIPMENTS: ONE TIME AMT./SHIPMENT: 4 DRS.
- E. ANNUAL QUANTITY: N/A PACKAGING: 55 GALLONS
- F. PROPER D.O.T. SHIPPING NAME FOR THE WASTE (49 CFR 172.01 + 173):
NON-REGULATED MATERIAL, NOS (GREASE)
- G. D.O.T. HAZARD CLASSIFICATION: N/A
- H. D.O.T. ID#, UN/NA: N/A EPA WASTE #: N/A EPA HAZARD CODES: N/A

III. WASTE CHARACTERISTICS:

- A. PHYSICAL STATE @ 70 °F: GAS LIQUID SOLID SLUDGE
- B. PHASES: ONE TWO MULTIPLE (NUMBER)
- C. COLOR: BROWNISH GRAY D. DESCRIBE ODOR: GREASE
- E. FLASH POINT: >140°F (CLOSED CUP ONLY) F. HEAT CONTENT: <10,000 BTU/LB
- G. SPECIFIC WEIGHT (i.e., WEIGHT/VOLUME): 0.92 H. TOX: NONE
- I. SULFUR: NONE J. ASH: <5% K. WATER: NONE L. pH: N/A
- M. CYANIDE: NONE Det. Lmt.: - N. SULFIDE: NONE Det. Lmt.: -

Note: Detection limits for cyanide and sulfide must be at least 100 and 250 mg/kg, respectively.

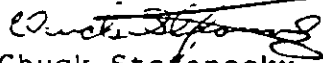
DELAWARE CONTAINER CO., INC.

REF #: 6745, Report Requested: 5/10/88, Completed: 5/23/88
Generator: Philadelphia Coke Company
Street Address: 9 Riverside Road
City, State: Weston, MA 02193
EPA ID #: PAD 000427906
Manifest # (if applicable): N/A
Generator's common name for waste: Waste Grease

<u>Analytical Parameter</u>	<u>Results</u>
- Physical State @ 70°F	Liquid
- Phases	One
- Color	Black
- Flash Point	<70°F
- Heat Content	131.570 BTU/Gallon
- Specific Weight	.86 g/cc
- TOX, Reported as Chlorine	.18%
- FPCT	Pass
- Silver, Ag, Leachable, mg/l	<.01
- Aluminum, Al, Leachable, mg/l	<0.1
- Arsenic, As, Leachable, mg/l	.02
- Barium, Ba, Leachable, mg/l	<10
- Beryllium, Be, Leachable, mg/l	<0.1
- Cadmium, Cd, Leachable, mg/l	.01
- Chromium, Cr, Leachable, mg/l	<.01
- Copper, Cu, Leachable, mg/l	.02
- Mercury, Hg, Leachable, mg/l	.03
- Iron, Fe, Leachable, mg/l	0.1
- Manganese, Mn, Leachable, mg/l	.08
- Nickel, Ni, Leachable, mg/l	<.05
- Lead, Pb, Leachable, mg/l	1.5
- Selenium, Se, Leachable, mg/l	<.05
- Thallium, Tl, Leachable, mg/l	<0.1
- Zinc, Zn, Leachable, mg/l	.09

Note: FPCT (Fuel Program Compatibility Test) This test was derived internally at Delaware Container Co., Inc. and it determines the acceptability of certain materials for use in our fuel program.

Respectfully submitted,


Chuck Stefanosky
Laboratory Manager

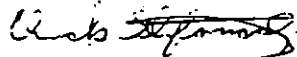
code: CUSARF.RKS

DELAWARE CONTAINER CO., INC.

REF #: 6748, Report Requested: 5/10/88, Completed: 5/23/88
Generator: Philadelphia Coke Company
Street Address: 9 Riverside Road
City, State: Weston, MA 02193
EPA ID #: PAD 000427906
Manifest # (if applicable): N/A
Generator's common name for waste: Waste Oil

<u>Analytical Parameter</u>	<u>Results</u>
- Physical State @ 70°F	Liquid
- Phases	One
- Color	Black
- Flash Point	>140°F
- Heat Content	125,843 BTU/Gallon
- Specific Weight	.99 Sp/Gr.
- TOX, Reported as Chlorine	.71%
- FPCT	Pass
- Silver, Ag, Leachable, mg/l	<.01
- Aluminum, Al, Leachable, mg/l	0.1
- Arsenic, As, Leachable, mg/l	.01
- Barium, Ba, Leachable, mg/l	<10
- Beryllium, Be, Leachable, mg/l	<0.1
- Cadmium, Cd, Leachable, mg/l	.01
- Chromium, Cr, Leachable, mg/l	<.01
- Copper, Cu, Leachable, mg/l	.03
- Mercury, Hg, Leachable, mg/l	.03
- Iron, Fe, Leachable, mg/l	0.6
- Manganese, Mn, Leachable, mg/l	0.2
- Nickel, Ni, Leachable, mg/l	<.05
- Lead, Pb, Leachable, mg/l	0.1
- Selenium, Se, Leachable, mg/l	<.01
- Thallium, Tl, Leachable, mg/l	<0.1
- Zinc, Zn, Leachable, mg/l	0.5

Respectfully submitted,



Chuck Stefanosky
Laboratory Manager

code: CUSARF.RKS

DELAWARE CONTAINER CO., INC.

SOLVENT SCAN

Ref.#: 6748

Date: 5/11/89

Generator: Philadelphia Coke Company

	<u>% = Wgt./Wgt.</u>		<u>% = Wgt./Wgt.</u>
Methylene Chloride	<0.2	Acetone	<0.1
Trichlorofluoromethane	<2.0	Ethyl Ether	<0.1
1,1,2 - Trichloro 1,2,2 Trifluoroethane	<0.4	Methyl Ethyl Ketone	<0.1
1,1,1 - Trichloroethane	<0.2	Butyl Alcohol	<0.1
Carbon Tetrachloride	<0.7	Sec-Butyl Alcohol	----
Trichloroethylene	<0.2	Isopropyl Alcohol	----
Tetrachloroethylene	<0.2	Benzene	<0.1
Chlorobenzene	<0.1	Pyridine	<0.1
1,3 Dichlorobenzene	<0.1	Methyl Isobutyl Ketone	<0.1
1,4 Dichlorobenzene	<0.1	Cyclohexanone	<0.1
1,2 Dichlorobenzene	<0.1	Toluene	<0.1
112 Trichloroethane	<0.2	Ethyl Benzene	<0.1
Ethyl Acetate	<0.1	M - Xylene	<0.1
2 - Nitropropane	<0.1	P - Xylene	<0.1
2 - Ethoxyethanol	<0.2	O - Xylene	<0.1
O - Cresol	<0.4	Nitrobenzene	<0.1
M - Cresol	<0.4	Methanol	<0.1
P - Cresol	<0.2	Carbon Disulfide	----
Ethanol	----		

Comment:

None

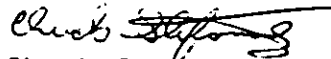
DELAWARE CONTAINER CO., INC.

REF #: 6746, Report Requested: 5/10/88, Completed: 5/23/88
Generator: Philadelphia Coke Company
Street Address: 9 Riverside Road
City, State: Weston, MA 02193
EPA ID #: PAD 000427906
Manifest # (if applicable): N/A
Generator's common name for waste: Cleaner - Ammoniated Liquid

<u>Analytical Parameter</u>	<u>Results</u>
- Physical State @ 70°F	Liquid
- Phases	One
- Color	Black
- Flash Point	>160°F
- Specific Weight	1.07 Sp/Gr.
- pH @ 70°F	9.04
- Cyanide (Reactive)	<50 mg/l
- Sulfide (Reactive)	<100 mg/l
- WWTCT	Pass
- Silver, Ag, Leachable, mg/l	.03
- Aluminum, Al, Leachable, mg/l	0.2
- Arsenic, As, Leachable, mg/l	.02
- Barium, Ba, Leachable, mg/l	<10
- Beryllium, Be, Leachable, mg/l	<0.1
- Cadmium, Cd, Leachable, mg/l	0.1
- Chromium, Cr, Leachable, mg/l	.05
- Copper, Cu, Leachable, mg/l	0.9
- Mercury, Hg, Leachable, mg/l	.02
- Iron, Fe, Leachable, mg/l	1.4
- Manganese, Mn, Leachable, mg/l	0.5
- Nickel, Ni, Leachable, mg/l	0.3
- Lead, Pb, Leachable, mg/l	0.7
- Selenium, Se, Leachable, mg/l	<.01
- Thallium, Tl, Leachable, mg/l	<0.1
- Zinc, Zn, Leachable, mg/l	0.7

Note: WWTCT (Waste Water Treatment Compatibility Test) This test was derived internally at Delaware Container Co., Inc. and it determines the acceptability of certain materials for disposal through our contracts at DuPont in Deepwater, NJ.

Respectfully submitted,



Chuck Stefanosky
Laboratory Manager


code: CUSARF.RKS

DELAWARE CONTAINER CO., INC.

REF #: 6747, Report Requested: 5/10/88, Completed: 5/23/88
Generator: Philadelphia Coke Company
Street Address: 9 Riverside Road
City, State: Weston, MA 02193
EPA ID #: PAD 000427906
Manifest # (if applicable): N/A
Generator's common name for waste: Waste Mortar Sand Patch.

<u>Analytical Parameter</u>	<u>Results</u>
- Physical State @ 70°F	Solid
- Phases	One
- Color	Yellow/Orange #8
- Flash Point	>140°F
- Specific Weight	1.76 g/cc
- pH @ 70°F	9.81
- Silver, Ag, Leachable, mg/l	<.01
- Aluminum, Al, Leachable, mg/l	1.4
- Arsenic, As, Leachable, mg/l	.02
- Barium, Ba, Leachable, mg/l	<10
- Beryllium, Be, Leachable, mg/l	<.1
- Cadmium, Cd, Leachable, mg/l	.01
- Chromium, Cr, Leachable, mg/l	<.01
- Copper, Cu, Leachable, mg/l	.02
- Mercury, Hg, Leachable, mg/l	.03
- Iron, Fe, Leachable, mg/l	0.1
- Manganese, Mn, Leachable, mg/l	0.1
- Nickel, Ni, Leachable, mg/l	<.05
- Lead, Pb, Leachable, mg/l	<0.1
- Selenium, Se, Leachable, mg/l	<.01
- Thallium, Tl, Leachable, mg/l	<0.1
- Zinc, Zn, Leachable, mg/l	<.05

Respectfully submitted,


Chuck Stefanosky
Laboratory Manager

code: CUSARF.RKS

APPENDIX C-6

Fuel Oil Disposal Documents



Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Form approved.
OMB No. 2050-0039
Expires 9-30-88

ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. P. A. D. 0. 0. 0. 4. 2. 7. 9. 0. 6		Manifest Document No. 2. 8. 9. 9. 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address Philadelphia Coke Corporation 2900 Orthodox Street Philadelphia, PA 19137					A. State Manifest Document Number PAB 4928991		
4. Generator's Phone (215) 535-7222					B. State Gen. ID NONE		
5. Transporter 1 Company Name Delaware Container Co., Inc.		6. US EPA ID Number P. A. D. 0. 6. 4. 3. 7. 9. 4. 7. 0		C. State Trans. ID PA-AH | 0. 0. 3. 2 |			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (215) 383-6880			
9. Designated Facility Name and Site Address Delaware Container Co., Inc. W. 11th Ave. & Valley Rd. Coatsville, PA 19320		10. US EPA ID Number P. A. D. 0. 6. 4. 3. 7. 9. 4. 7. 0		E. State Trans. ID PA-AH | . . . |			
				F. Transporter's Phone ()			
				G. State Facility's ID Not Required			
				H. Facility's Phone (215) 383-6880			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. RQ, Waste Flammable Liquid, N.O.S. (Oil/Gasoline/Water) Flammable Liquid UN1993					No. Type		
					X X 1 T T	X X 25.0	0 0 0 0 1
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)					K. Handling Codes for Wastes Listed Above		
Haz. Code Physical State		Haz. Code Physical State					
a. [] [] L RFP 7121		c. [] []		a. TH			
d. [] []		d. [] []		b. d.			
15. Special Handling Instructions and Additional Information TEH 19167							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name J. K. T. ANGERMEIER				Signature <i>J. K. T. Angermeyer</i>		Month Day Year 09/19/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Norman GASTENS		Signature <i>Norman Gastens</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name LINDA L. Miller				Signature <i>Linda L. Miller</i>		Month Day Year 09/19/88	

APPENDIX D
CONFIRMATORY SOIL SAMPLING

APPENDIX D-1

Soil Sampling Procedures

The following information was listed on all soil samples:

- o Date collected.
- o Location with respect to the master site grid.
- o Approximate depth below grade.
- o Brief description of the sample.

A separate sample log was kept for those soil samples taken as part of closure activities.

Sample log information includes:

- o Date collected;
- o Weather conditions;
- o Sample identification;
- o Coordinates with respect to the site grid;
- o Sample type (grab or composite);
- o Estimated depth below grade where the sample was taken;
- o Comments (further description of material, location, etc.).

/PC

non-uniform in nature. Composite samples were taken using either biased or non-biased sampling grids. Both methods were directly related to the master 50-foot by 50-foot square grid for the site.

Non-biased sampling grids were used when soil and fill materials appeared to be generally uniform over a sampling area. Individual sample aliquots (i.e., grabs) were taken at equally spaced grid nodes. The individual aliquots were then mixed (composited) thoroughly together and a portion of the mixture was then transferred into a clean glass sample container for subsequent analysis.

Biased sampling grids were utilized where soil and fill materials appeared (based upon visual observation) to vary in composition over a sampling area. The intent of using a biased sampling grid was to incorporate the approximate same relative percentage of each material type, as it appeared in the field, into the final composite sample. Individual aliquots were then mixed (composited) together and transferred to a clean glass sample container for subsequent analysis.

Stainless steel equipment was used to collect all samples. All sampling equipment was thoroughly cleaned between each sampling event.

Soil which may have come in contact with heavy equipment was discarded before soil samples were taken. The potential for cross-contamination with soils from other parts of the site was thereby minimized.

4.0 RECORD KEEPING

The river-dredged deposits consist of a sandy loam (presumably dredged point bar deposits) and/or dredged river silt from the nearby Delaware River. The sandy loam appeared as a light-brown, medium-to-coarse sand with some fine-to-coarse subrounded gravel. The silt appeared as a gray, thinly bedded silt with some fine sand and decomposed organic matter. Thickness of the river-dredged deposits varied from several feet up to about 10 feet.

The only apparently natural sedimentary unit encountered during the excavation was a light-green to gray-colored silty clay of low plasticity which directly underlies all of the previously mentioned deposits. This silty clay overlies the Wissahickon Schist, a regionally extensive bedrock in the Philadelphia area. While the exact thickness of silty clay layer is not known across the site, visual observation of the materials excavated from the maximum depths (i.e., 14 to 15 feet below original grade) indicated that the layer was not fully penetrated at any time during the excavation process.

3.0 SOIL SAMPLING PROCEDURES

Both grab and composite soil samples were collected during all phases of closure activities. Grab samples were taken when it was presumed, based upon visual observations, that the materials being sampled were relatively uniform in composition. Grab sampling techniques further characterized contaminant concentration in soil and fill materials which had been separated on the basis of visual characteristics (i.e., color, texture, etc.).

Composite samples were taken where materials appeared relatively

SOIL SAMPLING PROCEDURE

1.0 GENERAL BACKGROUND

Samples of overburden materials were collected on-site during this program. These samples were collected and subsequently analyzed for the purpose of evaluating the effectiveness of excavation performed in connection with closing specific RCRA units identified in the site closure plan. Sample analyses were performed on-site for field screening and excavation guidance purposes. Off-site analyses were performed at an EPA-approved laboratory as a check on compliance with cleanup criteria.

2.0 DISCUSSION OF SOIL AND FILL MATERIALS ENCOUNTERED

Materials encountered on-site during the closure excavation activities can be subdivided into three basic groups (generally encountered from the surface downward in the following order):

- o Industrial fill
- o River-dredged deposits
- o Natural flood plain deposits

Constituents of the industrial fill include coal fines, coke breeze, cinders, bricks, wood, metal, and concrete rubble. This fill ranged in thickness from several inches in the former Tar Plains area to about 10 feet in the former main plant processing area.

APPENDIX D-2

**Confirmatory Soil Sampling
Chain-of-Custody Forms**

CHAIN-OF-CUSTODY RECORD

UCC 5469

135 3031-32

Woodward-Clyde Consultants
 5120 Butler Pike
 Plymouth Meeting, Pennsylvania 19462.
 (215) 825-3000

Project Number 8702839A-3		Project Name Philadelphia Coke		
To Lancaster Labs for Analysis				
Origination Date	Sample No.	Description	Collection Date	Remarks
1-30-89	GH 6-8 COMBO	AE, BNE, REAC, EPTOX inorg.		RUSH
Relinquished by: (Signature) <i>Julie P. Vica</i>		Date / Time 1-30-89 14:40	Received by: (Signature) <i>Tom Mills</i>	
Relinquished by: (Signature) <i>Tom Mills</i>		Date / Time 1/30/89-16:45	Received by: (Signature) <i>Kathy L. Bellquist</i>	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)	
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)	

Distribution: Original accompany _____ ipment, Copy to Originator Files.

From: Philadelphia ^{Company of} Coke Co (Woodward - Clyde Consultants)
 To: Lancaster Labs for analysis

Sample Date	Sample Name	Analyses
1-18-89	MW-1	Alkalinity, pH, BNE, AE, Ammonia-N, Nitrate-N, TOC, BOD, COD, TDS, TOX, Fecal Coliform, Chloride, Fluoride, Cyanide, Sulfate, Spec. Conductance, Volatiles Metals: Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver Note: For each of these liquid samples there are 14 bottles
1-18-89	MW-2D	
1-18-89	MW-3	
1-18-89	MW-4	
1-18-89	MW-5	
1-18-89	MW-6	
1-18-89	SC8-9	AE
1-18-89	SC11-13	BNE REAC EPTOX inorg

Call Julie Via with results for these samples only

Released by: Julie P Via	Date/Time 1-18-89 1600	Accepted by: Jan Malt	Date/Time 1/18/89 1600
Released by: Jan Malt	Date/Time 1-18-89 1755	Accepted by: DO [Signature]	Date/Time 1/18/89 1755

CHAIN-OF-CUSTODY RECORD

Use 3464 # 134 273

Woodward-Clyde Consultants
 5120 Butler Pike
 Plymouth Meeting, Pennsylvania 19462
 (215) 825-3000

Project Number <i>8702839A</i>		Project Name <i>Philadelphia Coke Co</i>		
<i>To Lancaster Labs for analysis</i>				
Origination Date	Sample No.	Description	Collection Date	Remarks
<i>12/22/88</i>	<i>FGH 7.5 COMBO</i>	<i>AE, BNE, REAC, EPTX inorg.</i>		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
<i>Julie P. Via</i>	<i>12/23/88 11:30</i>	<i>[Signature]</i>		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
<i>[Signature]</i>	<i>12/23/88 14:20</i>	<i>Kathy Hallquist</i>		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Remarks	

Distribution: Original accompany shipment, Copy to Originator Files.

CHAIN-OF-CUSTODY RECORD

Woodward-Clyde Consultants
 5120 Butler Pike
 Plymouth Meeting, Pennsylvania 19462
 (215) 825-3000

13 36014-23 Hct. 3464

Project Number 87C2839A		Project Name Philadelphia Coke Co.		
To Lancaster Labs for analysis				
Origination Date	Sample No.	Description <i>Analyses</i>	Collection Date	Remarks
12/6/88	TM-6	BNE, TDC		No matrix spike No such.
12/6/88	TM-9	TPH, BNE, TDC		
12/6/88	TM-10	TPH, BNE, TDC		
12/6/88	FGH 4.5 COMBO	AE, BNE, REAC, EPTOX inorg		
12/6/88	FGH 8.5 COMBO	AE, BNE, REAC, EPTOX inorg		
Relinquished by: (Signature) <i>Julie P Via</i>	Date / Time 12/7/88 1250	Received by: (Signature) <i>Jan Mittle</i>	Remarks <i>Delivery to Lab</i>	
Relinquished by: (Signature) <i>Jan Mittle</i>	Date / Time 12/7/88 1800	Received by: (Signature) <i>Donarum</i>	Remarks ALI	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Remarks	

Distribution: Original accompanies Shipment, Copy to Originator Files.

CHAIN-OF-CUSTODY RECORD

1317665-66
Woodward-Clyde Consultants
 5120 Butler Pike
 Plymouth Meeting, Pennsylvania 19462
 (215) 825-3000

Project Number 87C 2839A-5		Project Name Philadelphia Coke		
To: Lancaster labs for analysis				
Origination Date	Sample No.	Analysis	Collection Date	Remarks
10/13/88	EF66-7 COMBO	AE, BNE, REAC, EPTOX inorg.		5-day turnaround
10/13/88	TMP-6	BNE, TOC		10-day on BNE
10/13/88	TMP-7	BNE, TOC ← CANCEL THIS SAMPLE		10-day on BNE
10/13/88	TMP-8	BNE, TOC		10-day on BNE
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	
<i>Julie P. Via</i>		10/13/88 12:18	<i>Jim Miller</i>	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	
<i>Jim Miller</i>		10-13-88 12:00	<i>Cherie Deminger</i>	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)	

Distribution: Original accompany shipment, Copy to Originator Files.

CHAIN-OF-CUSTODY RECORD

1304444-5
Acct. 3464
Woodward-Clyde Consultants
5120 Butler Pike
Plymouth Meeting, Pennsylvania 19462
(215) 825-3000

Project Number 87C 2839A-5		Project Name Philadelphia Coke Co.		
Lancaster Labs Analysis				
Origination Date	Sample No.	Description ANALYSES	Collection Date	Remarks
9/20/88	FGH 55	→ EPTOX INORG, REAC, BNE, AE		5-day turnaround for all samples, please!
9/20/88	TM-1	→ BNE		
9/20/88	TM-2	→ BNE, TOC		
9/20/88	TM-3	→ BNE, TOC		
9/20/88	TM-4	→ BNE, TOC		
9/20/88	TM-5	→ BNE, TOC		
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	Remarks
<i>Julie P. Via</i>		9-21-88 11:40	<i>Jan Miller</i>	Delivery to Lab
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	Remarks
<i>Jan Miller</i>		9-21-88 10:50	<i>Kathy Hallquist</i>	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	Remarks
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)	Remarks

Distribution: Original accompanies Shipment, Copy to Originator Files.

CHAIN-OF-CUSTODY RECORD

Woodward-Clyde Consultants
 5120 Butler Pike
 Plymouth Meeting, Pennsylvania 19462
 (215) 825-3000

Project Number 87C 2839A		Project Name Philadelphia Coke Company		
To Lancaster Labs				
Origination Date	Sample No.	Description	Collection Date	Remarks
9/7/88	SP 1-5	Composite soil samples. Analysis: EPTOX inorg., AE, BNE, REAC <i>(combine a, b, c into one)</i> For BNE of these samples Include matrix spike and matrix spike duplicate analyses		5-day turnaround
9/7/88	SP 6-10			
9/7/88	SP 11-15			
9/6/88	TM 1			
"	TM 2			
"	TM 3	BNE, TOC		5-day turnaround
"	TM 4			
"	TM 5			
9/6/88	LT Source Water	2 Gatorade bottles: BNE, AE		
9/6/88	LT Source Water	1 H ₂ SO ₄ -preserved: NH ₃		
Relinquished by: (Signature) <i>Julie Perntiss Via</i>		Date / Time 9/7/88	Received by: (Signature) <i>[Signature]</i>	Remarks
Relinquished by: (Signature) <i>[Signature]</i>		Date / Time 7-7-88 12:20	Received by: (Signature) <i>[Signature]</i>	Remarks
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	Remarks
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	Remarks
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)	Remarks

Distribution: Original accompany shipment, Copy to Originator Files.



Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601 • 717/658-2301

12 FLO-01
Act. 3464

Lancaster Laboratories Sample Number

Chain of Custody

Client: Woodward Clyde Consultants

P.O. No.:

Work Order No.:

Project Name: Philadelphia Coke Co.

Submit Report to:

FSC:

Sample Type:	
HZ	Hazardous
SO	Soil
PW	Potable Water
GW	Ground Water
SW	Surface Water
WW	Waste Water
SL	Sludge

Field sample number / sample identification	Date	Time	COM P	GRA B	Number of Containers (Total)	Sample Type (use reference)	Analyses				Remarks:
							AE	BNE	React	SP (OX Lining)	
H-6.5/4C	8/18/88	1600	X		1	SO	X	X	X	X	
AA-11"/2C	8/18/88	1000	X		1	SO	X	X	X	X	
B-2/2C	8/19/88	1100	X		1	SO	X	X	X	X	
AA-2/2C	8/19/88	1100	X		1	SO	X	X	X	X	
BB-5/2C	8/19/88	1100	X		1	SO	X	X	X	X	
AA-8/2C	8/19/88	1100	X		1	SO	X	X	X	X	
AA-10.5/2C	8/19/88	1100	X		1	SO	X	X	X	X	

Sample Relinquished by:	Date	Time	Sample Received by:	Date	Time	Reason for Transfer
<u>Juli P. Via</u>	8/19/88	1300	<u>J. H. ...</u>	8/19/88	1306	<u>one job</u>
<u>J. H. ...</u>	8/19/88	1515	<u>J. H. ...</u>	8/19/88	1515	<u>111</u>



Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601 • 717/658-2301

1271275 007
Acct. 3464

Lancaster Laboratories Sample Number

Chain of Custody

Client: Woodward-Clyde Consultants 87C2839-6 P.O. No.:

Work Order No.: Project Name: Philadelphia Coke Company

Submit Report to: FSC:

Sampler: Andy Long Project Location: Analyses

Sample Type:	
HZ	Hazardous
SO	Soil
PW	Potable Water
GW	Ground Water
SW	Surface Water
WW	Waste Water
SL	Sludge

Field sample number / sample identification	Date	Time	MOC	G R A B	Number of Containers (Total)	Sample Type (use reference)	Analyses					Remarks:
							TOC	NH ₃ -N	PO ₄ -P	pH	Bacteria	
A-4/8C	8/14/88	1200	X		1	SO	X	X	X	X		5-day turnaround
B-4/11C	8/15/88	1200	X		1	SO	X	X	X	X		
LT Base	8/15/88	1200	X		1	SO			X	X		
Tmt 1-5	8/16/88	1200	X		1	SO	TEL	X	TEL	TEL	X	
							TOC	NH ₃ -N	PO ₄ -P	pH	Bacteria	
Tmt 1	8/16/88	1200	X		1	SO	X	X	X	X	X	2-day turnaround
Tmt 2	8/16/88	1200	X		1	SO	X	X	X	X	X	
Tmt 3	8/16/88	1200	X		1	SO	X	X	X	X	X	
Tmt 4	8/16/88	1200	X		1	SO	X	X	X	X	X	
Tmt 5	8/16/88	1200	X		1	SO	X	X	X	X	X	

Sample Relinquished by:	Date	Time	Sample Received by:	Date	Time	Reason for Transfer
<u>J.V. Hunter</u>	<u>8/16/88</u>	<u>1230</u>	<u>Jan Miller</u>	<u>8/16/88</u>	<u>12:30</u>	<u>Delivery to Lab</u>

UCC-704 # 1295218-79

CHAIN-OF-CUSTODY RECORD

Woodward-Clyde Consultants
 5120 Butler Pike
 Plymouth Meeting, Pennsylvania 19462
 (215) 825-3000

Project Number 87C2839		Project Name Philadelphia Coke Co. / Remediation		
Lancaster Labs				
Origination Date	Sample No.	Description	Collection Date	Remarks
	BTU-1* BTU-2*	} Analyze for RECYCLE FUEL SCAN (NO SOLVENT I.D.)	8-10-88	1-12 wide mouth
	B-8/6B		Analyze for EPTOX, REAC., A.E., B.N. inorganics	8-11-88	1-12 wide mouth
		* COMBINE BTU-1 AND BTU-2 INTO <u>ONE</u> SAMPLE FOR THE RECYCLE FUEL SCAN.	8-10-88	1-12 wide mouth 5-day turnaround
Relinquished by: (Signature) <i>Andrew Fry</i>		Date / Time 8-11-88 / 12:50	Received by: (Signature) <i>Tom Miller</i>	
Relinquished by: (Signature) <i>Tom Miller</i>		Date / Time 8-11-88 / 1:50	Received by: (Signature) <i>Debra...</i>	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)	

Distribution: Original accompanies Shipment, Copy to Originator Files.

1670 141-40 HCVI . 0404

CHAIN-OF-CUSTODY RECORD

Woodward-Clyde Consultants
 5120 Butler Pike
 Plymouth Meeting, Pennsylvania 19462
 (215) 825-3000

Project Number 87C 2839 A		Project Name PHILA. COKE		
Origination Date	Sample No.	Description	Collection Date	Remarks
7/29/88	TP-1 {TARP-1}	(CD-8.5') (A-3') (AB-7') (BC-6') (C-10')	7/27/88	TP CLEAN COMPOSITE - SILTY SOIL
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
<i>[Signature]</i>	7/29/88 1204	<i>[Signature]</i>		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
<i>[Signature]</i>	7/29/88 1707	<i>[Signature]</i>		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Remarks	

Distribution: Original accompanied Shipment, Copy to Originator Files.

Acct. 3464
CHAIN-OF-CUSTODY RECORD

Woodward-Clyde Consultants
 5120 Butler Pike
 Plymouth Meeting, Pennsylvania 19462
 (215) 825-3000

Project Number 87c2839-6		Project Name Philadelphia Coke Company		
Lancaster Labs				
Origination Date	Sample No.	Description	Collection Date	Remarks
	B-4/02 OB-1	Analyze both ^A samples for: - EP Toxicity (inorganics) - Reactivity - Acid Extractables - Bua-Nastals 5 day Turnaround	7-18-88 7-18-88	1-30 oz wide mouth 1-30 oz wide mouth
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
<i>Andrew B. [Signature]</i>	7/20/88/13:47	<i>Tom Miller</i>	Delivery to Lab.	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
<i>Tom Miller</i>	7/20/88 17:45	<i>[Signature]</i>		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Remarks	

Distribution: Original accompanies Shipment, Copy to Originator Files.

APPENDIX D-3

**Laboratory Data Sheets -
Confirmatory Soil Samples**

Lancaster Laboratories

INCORPORATED

2425 NEW HOLLAND PIKE, LANCASTER, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1317665

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/24/88
Date Submitted 10/13/88
Discard Date 11/24/88
Collected by C
P.O. 87C2839A-5
Rel.

Phila. Coke Co. EFG6-7 Combo Soil Sample
Collected on 10/13/88 at 0900 by JV

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT
DRY WT. BASIS

attached
attached
attached

LIMIT OF
DETECTION

LAB CODE
119817000P
119929000P
120000000P

2 COPIES TO Woodward Clyde Consultants
1 COPY TO Philadelphia Coke Company

ATTN: Julie Via
ATTN: Jim Husted

American Association for
Laboratory Accreditation
Chemical & Biological Fields of Testing



Member American Chemical Society
Lancaster Laboratories, Inc.



SEE REVERSE SIDE FOR EXPLANATION
OF SYMBOLS AND ABBREVIATIONS AND
OUR STANDARD TERMS AND CONDITIONS

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Lee A. Seats, B.S. Mgr.
Inorganic Analysis



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 NEW HOLLAND PIKE, LANCASTER, PA 17601-5984 (717) 656-2301

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. TL 1317666

Date Reported 10/24/88
Date Submitted 10/13/88
Discard Date 11/24/88
Collected by C
P.O. 87C2839A-5
Rel.

Phila. Coke Co. EP Toxicity of EFG6-7 Combo Soil

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	< 0.05 mg/l	0.05	024502500P
Barium	0.4 mg/l	0.1	024601300P
Cadmium	0.006 mg/l	0.005	024901300P
Chromium	0.05 mg/l	0.05	025101300P
Lead	< 0.05 mg/l	0.05	025501300P
Mercury	< 0.0005 mg/l	0.0005	025902500P
Selenium	< 0.02 mg/l	0.02	026402500P
Silver	< 0.01 mg/l	0.01	026601300P

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0, Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4, Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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ATTN: Julie Via
ATTN: Jim Husted

03464 150.00 029000

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Lee A. Seats, B.S. Mgr.
Inorganic Analysis

International Association for
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ANALYSIS REPORT

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2425 NEW HOLLAND PIKE, LANCASTER, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1317665

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/24/88
Date Submitted 10/13/88
Discard Date 11/24/88
Collected by C
P.O. 87C2839A-5
Rel.

Phila. Coke Co. EFG6-7 Combo Soil Sample
Collected on 10/13/88 at 0900 by JV

Base Neutrals cont (Soils)	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
anthracene	< 0.33 mg/kg	0.33	065900000P
di-n-butyl phthalate	< 0.33 mg/kg	0.33	068200000P
fluoranthene	0.97 mg/kg	0.33	068700000P
pyrene	1.13 mg/kg	0.33	119500000P
benzidine	< 0.833 mg/kg	0.833	066000000P
butyl benzyl phthalate	< 0.33 mg/kg	0.33	067100000P
benzo (a) anthracene	0.60 mg/kg	0.33	066100000P
chrysene	1.13 mg/kg	0.33	067400000P
3,3'-dichlorobenzidine	< 0.833 mg/kg	0.833	067900000P
bis (2-ethylhexyl) phthalate	< 0.33 mg/kg	0.33	066900000P
di-n-octyl phthalate	< 0.33 mg/kg	0.33	068500000P
benzo (b) fluoranthene	0.77 mg/kg	0.33	066300000P
benzo (K) fluoranthene	< 0.33 mg/kg	0.33	066500000P
benzo (a) pyrene	0.53 mg/kg	0.33	066200000P
indeno (1,2,3-cd) pyrene	< 0.33 mg/kg	0.33	069300000P
dibenzo (a,h) anthracene	< 0.33 mg/kg	0.33	067500000P
benzo (ghi) perylene	< 0.33 mg/kg	0.33	066400000P

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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ATTN: Jim Husted

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Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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2425 NEW HOLLAND PIKE, LANCASTER, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1317665

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/24/88
Date Submitted 10/13/88
Discard Date 11/24/88
Collected by C
P.O. 87C2839A-5
Rel.

Phila. Coke Co. EFG6-7 Combo Soil Sample
Collected on 10/13/88 at 0900 by JV

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	069700000P
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	066700000P
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	067700000P
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	118700000P
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	067600000P
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	066800000P
hexachloroethane	< 0.33	mg/kg	0.33	069200000P
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	118800000P
nitrobenzene	< 0.33	mg/kg	0.33	069600000P
isophorone	< 0.33	mg/kg	0.33	069400000P
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	066600000P
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	118900000P
naphthalene	0.50	mg/kg	0.33	069500000P
hexachlorobutadiene	< 0.33	mg/kg	0.33	069000000P
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	069100000P
2-chloronaphthalene	< 0.33	mg/kg	0.33	067200000P
acenaphthylene	< 0.33	mg/kg	0.33	065800000P
dimethyl phthalate	< 0.33	mg/kg	0.33	068100000P
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	068400000P
acenaphthene	< 0.33	mg/kg	0.33	119100000P
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	119300000P
fluorene	< 0.33	mg/kg	0.33	068800000P
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	067300000P
diethyl phthalate	< 0.33	mg/kg	0.33	068000000P
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	068600000P
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	069900000P
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	067000000P
hexachlorobenzene	< 0.33	mg/kg	0.33	068900000P
phenanthrene	0.53	mg/kg	0.33	070000000P

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ATTN: Julie Via
ATTN: Jim Husted

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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Chemical & Biological Fields of Testing



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2425 NEW HOLLAND PIKE, LANCASTER, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1317665

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/24/88
Date Submitted 10/13/88
Discard Date 11/24/88
Collected by C
P.O. 87C2839A-5
Rel.

Phila. Coke Co. EFG6-7 Combo Soil Sample
Collected on 10/13/88 at 0900 by JV

Acid Extractables (Soils)	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.33 mg/kg	0.33	118600000P
phenol	< 0.33 mg/kg	0.33	118500000P
2-nitrophenol	< 0.33 mg/kg	0.33	065100000P
2,4-dimethylphenol	< 0.33 mg/kg	0.33	064800000P
2,4-dichlorophenol	< 0.83 mg/kg	0.33	064700000P
4-chloro-3-methylphenol	< 0.33 mg/kg	0.33	119000000P
2,4,6-trichlorophenol	< 0.33 mg/kg	0.33	065600000P
2,4-dinitrophenol	< 0.833 mg/kg	0.833	119200000P
4-nitrophenol	< 0.833 mg/kg	0.833	064900000P
2-methyl-4,6-dinitrophenol	< 0.833 mg/kg	0.833	119400000P
pentachlorophenol	< 0.833 mg/kg	0.833	

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Group Leader, GC/MS

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ANALYSIS REPORT

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2425 NEW HOLLAND PIKE, LANCASTER, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1317665

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/24/88
Date Submitted 10/13/88
Discard Date 11/24/88
Collected by C
P.O. 87C2839A-5
Rel.

Phila. Coke Co. EFG6-7 Combo Soil Sample
Collected on 10/13/88 at 0900 by JV

ANALYSIS	RESULT	LIMIT OF	LAB CODE
Moisture	AS RECEIVED	DETECTION	
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.	32.6 % by wt.	0.1	011101100P
Reactivity	see below		112104000P
<p>Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.</p>			
Sulfide (Reactivity)	< 50. mg/kg	50.	112201500P
Cyanide (Reactivity)	< 100. mg/kg	100.	112301500P
Acid Extractables (Soils)	attached		119817000P
Base Neutrals (Soils)	attached		119929000P
Base Neutrals cont (Soils)	attached		120000000P

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03464 60.00 060100

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Inorganic Analysis

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

22 New Holland Pike, Lancaster, PA 17601-5804

LLI Sample No. SW 1309494

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/ 5/88
Date Submitted 9/21/88
Discard Date 11/ 5/88
Collected by C
P.O. 87C2839A-5
Rel.

Philadelphia Coke Co. FGH 5.5 Combo Composite Soil
Collected on 09/20/88 at 1200 by AL

Base Neutrals cont (Soils)	RESULT		LIMIT OF DETECTION	LAB CODE
	DRY WT.	BASIS		
anthracene	< 0.60	mg/kg	0.6	065900000P
di-n-butyl phthalate	< 0.60	mg/kg	0.6	068200000P
fluoranthene	< 0.60	mg/kg	0.6	068700000P
pyrene	< 0.60	mg/kg	0.6	119500000P
benzidine	< 1.0	mg/kg	1.	066000000P
butyl benzyl phthalate	< 0.60	mg/kg	0.6	067100000P
benzo (a) anthracene	< 0.60	mg/kg	0.6	066100000P
chrysene	< 0.60	mg/kg	0.6	067400000P
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.	067900000P
bis (2-ethylhexyl) phthalate	< 0.60	mg/kg	0.6	066900000P
di-n-octyl phthalate	< 0.60	mg/kg	0.6	068500000P
benzo (b) fluoranthene	< 0.60	mg/kg	0.6	066300000P
benzo (K) fluoranthene	< 0.60	mg/kg	0.6	066500000P
benzo (a) pyrene	< 0.60	mg/kg	0.6	066200000P
indeno (1,2,3-cd) pyrene	< 0.60	mg/kg	0.6	069300000P
dibenzo (a,h) anthracene	< 0.60	mg/kg	0.6	067500000P
benzo (ghi) perylene	< 0.60	mg/kg	0.6	066400000P

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ATTN: Vinay Ghanekar
ATTN: Jim Husled

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Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

425 New Holland Pike, Lancaster, PA 17601-5904 (717) 399-2000

LLI Sample No. SW 1309494

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/ 5/88
Date Submitted 9/21/88
Discard Date 11/ 5/88
Collected by C
P.O. 87C2839A-5
Rel.

Philadelphia Coke Co. PGH 5.5 Combo Composite Soil
Collected on 09/20/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.60	mg/kg	0.6	069700000P
bis (2-chloroethyl) ether	< 0.60	mg/kg	0.6	066700000P
1,3-dichlorobenzene	< 0.60	mg/kg	0.6	067700000P
1,4-dichlorobenzene	< 0.60	mg/kg	0.6	118700000P
1,2-dichlorobenzene	< 0.60	mg/kg	0.6	067600000P
bis (2-chloroisopropyl) ether	< 0.60	mg/kg	0.6	066800000P
hexachloroethane	< 0.60	mg/kg	0.6	069200000P
N-nitrosodi-n-propylamine	< 0.60	mg/kg	0.6	118800000P
nitrobenzene	< 0.60	mg/kg	0.6	069600000P
isophorone	< 0.60	mg/kg	0.6	069400000P
bis (2-chloroethoxy) methane	< 0.60	mg/kg	0.6	066600000P
1,2,4-trichlorobenzene	< 0.60	mg/kg	0.6	118900000P
naphthalene	< 0.60	mg/kg	0.6	069500000P
hexachlorobutadiene	< 0.60	mg/kg	0.6	069000000P
hexachlorocyclopentadiene	< 0.60	mg/kg	0.6	069100000P
2-chloronaphthalene	< 0.60	mg/kg	0.6	067200000P
acenaphthylene	< 0.60	mg/kg	0.6	065800000P
dimethyl phthalate	< 0.60	mg/kg	0.6	068100000P
2,6-dinitrotoluene	< 0.60	mg/kg	0.6	068400000P
acenaphthene	< 0.60	mg/kg	0.6	119100000P
2,4-dinitrotoluene	< 0.60	mg/kg	0.6	119300000P
fluorene	< 0.60	mg/kg	0.6	068800000P
4-chlorophenyl phenyl ether	< 0.60	mg/kg	0.6	067300000P
diethyl phthalate	< 0.60	mg/kg	0.6	068000000P
1,2-diphenylhydrazine	< 0.60	mg/kg	0.6	068600000P
N-nitrosodiphenylamine	< 0.60	mg/kg	0.6	069900000P
4-bromophenyl phenyl ether	< 0.60	mg/kg	0.6	067000000P
hexachlorobenzene	< 0.60	mg/kg	0.6	068900000P
phenanthrene	< 0.60	mg/kg	0.6	070000000P

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ATTN: Jim Husled

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

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1425 New Holland Pike, Lancaster, PA 17601-9999

III Sample No. SV 1309494

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/ 5/88
Date Submitted 9/21/88
Discard Date 11/ 5/88
Collected by C
P.O. 87C2839A-5
Rel.

Philadelphia Coke Co. FGH 5.5 Combo Composite Soil
Collected on 09/20/88 at 1200 by AL

Acid Extractables (Soils)	RESULT DRY WT. BASIS	LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.60 mg/kg	0.6	118600000P
phenol	< 0.60 mg/kg	0.6	118500000P
2-nitrophenol	< 0.60 mg/kg	0.6	065100000P
2,4-dimethylphenol	< 0.60 mg/kg	0.6	064800000P
2,4-dichlorophenol	< 0.60 mg/kg	0.6	064700000P
4-chloro-3-methylphenol	< 0.60 mg/kg	0.6	119000000P
2,4,6-trichlorophenol	< 0.60 mg/kg	0.6	065600000P
2,4-dinitrophenol	< 1.0 mg/kg	1.	065000000P
4-nitrophenol	< 1.0 mg/kg	1.	119200000P
2-methyl-4,6-dinitrophenol	< 1.0 mg/kg	1.	064900000P
pentachlorophenol	< 1.0 mg/kg	1.	119400000P

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ATTN: Jim Husled

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

25 West Holland Pike, Lancaster, PA 17604-1000 (717) 399-0200

LLI Sample No. SW 1309494

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/ 5/88
Date Submitted 9/21/88
Discard Date 11/ 5/88
Collected by C
P.O. 87C2839A-5
Rel.

Philadelphia Coke Co. FGH 5.5 Combo Composite Soil
Collected on 09/20/88 at 1200 by AL

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB CODE
119817000P
119929000P
120000000P

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ATTN: Jim Husled

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Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

LLI Sample No. TL 1309495

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/ 5/88
Date Submitted 9/21/88
Discard Date 11/ 5/88
Collected by C
P.O. 87C2839A-5
Rel.

EP Toxicity Leachate of Philadelphia Coke Co. FGH
5.5 Combo Composite Soil Sample
Collected on 09/20/88 at 1200 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	< 0.05 mg/l	0.05	024502500P
Barium	0.3 mg/l	0.1	024601300P
Cadmium	< 0.005 mg/l	0.005	024901300P
Chromium	< 0.05 mg/l	0.05	025101300P
Lead	< 0.05 mg/l	0.05	025501300P
Mercury	< 0.0005 mg/l	0.0005	025902500P
Selenium	< 0.02 mg/l	0.02	026402500P
Silver	< 0.01 mg/l	0.01	026601300P

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0, Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4, Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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ATTN: Jim Husled

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03464 150.00 029000



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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

23 New Holland Pike, Lancaster, PA 17601-5894 (717) 838-2207

LLI Sample No. SW 1309494

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/ 5/88
Date Submitted 9/21/88
Discard Date 11/ 5/88
Collected by C
P.O. 87C2839A-5
Rel.

Philadelphia Coke Co. FGH 5.5 Combo Composite Soil
Collected on 09/20/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals cont (Soils)				
anthracene	< 0.33	mg/kg	0.33	065900000P
di-n-butyl phthalate	< 0.33	mg/kg	0.33	068200000P
fluoranthene	< 0.33	mg/kg	0.33	068700000P
pyrene	< 0.33	mg/kg	0.33	119500000P
benzidine	< 0.833	mg/kg	0.833	066000000P
butyl benzyl phthalate	< 0.33	mg/kg	0.33	067100000P
benzo (a) anthracene	< 0.33	mg/kg	0.33	066100000P
chrysene	< 0.33	mg/kg	0.33	067400000P
3,3'-dichlorobenzidine	< 0.833	mg/kg	0.833	067900000P
bis (2-ethylhexyl) phthalate	< 0.33	mg/kg	0.33	066900000P
di-n-octyl phthalate	< 0.33	mg/kg	0.33	068500000P
benzo (b) fluoranthene	< 0.33	mg/kg	0.33	066300000P
benzo (K) fluoranthene	< 0.33	mg/kg	0.33	066500000P
benzo (a) pyrene	< 0.33	mg/kg	0.33	066200000P
indeno (1,2,3-cd) pyrene	< 0.33	mg/kg	0.33	069300000P
dibenzo (a,h) anthracene	< 0.33	mg/kg	0.33	067500000P
benzo (ghi) perylene	< 0.33	mg/kg	0.33	066400000P

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ATTN: Vinay Ghanekar
ATTN: Jim Husled

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

Member American Association for
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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED
425 New Holland Pike, Lancaster, PA 17601-5004 (717) 399-2000

LLI Sample No. SW 1309494

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/ 5/88
Date Submitted 9/21/88
Discard Date 11/ 5/88
Collected by C
P.O. 87C2839A-5
Rel.

Philadelphia Coke Co. FGH 5.5 Combo Composite Soil
Collected on 09/20/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals (Soils)	< 0.33	mg/kg	0.33	069700000P
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	066700000P
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	067700000P
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	118700000P
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	067600000P
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	066800000P
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	069200000P
hexachloroethane	< 0.33	mg/kg	0.33	118800000P
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	069600000P
nitrobenzene	< 0.33	mg/kg	0.33	069600000P
isophorone	< 0.33	mg/kg	0.33	069400000P
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	066600000P
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	118900000P
naphthalene	< 0.33	mg/kg	0.33	069500000P
hexachlorobutadiene	< 0.33	mg/kg	0.33	069000000P
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	069100000P
2-chloronaphthalene	< 0.33	mg/kg	0.33	067200000P
acenaphthylene	< 0.33	mg/kg	0.33	065800000P
dimethyl phthalate	< 0.33	mg/kg	0.33	068100000P
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	068400000P
acenaphthene	< 0.33	mg/kg	0.33	119100000P
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	119300000P
fluorene	< 0.33	mg/kg	0.33	068800000P
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	067300000P
diethyl phthalate	< 0.33	mg/kg	0.33	068000000P
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	068600000P
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	069900000P
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	067000000P
hexachlorobenzene	< 0.33	mg/kg	0.33	068900000P
phenanthrene	< 0.33	mg/kg	0.33	070000000P

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ATTN: Jim Husled

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ANALYSIS REPORT

Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5800

LLI Sample No. SW 1309494

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/ 5/88
Date Submitted 9/21/88
Discard Date 11/ 5/88
Collected by C
P.O. 87C2839A-5
Rel.

Philadelphia Coke Co. FGH 5.5 Combo Composite Soil
Collected on 09/20/88 at 1200 by AL

Acid Extractables (Soils)	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.33 mg/kg	0.33	118600000P
phenol	< 0.33 mg/kg	0.33	118500000P
2-nitrophenol	< 0.33 mg/kg	0.33	065100000P
2,4-dimethylphenol	< 0.33 mg/kg	0.33	064800000P
2,4-dichlorophenol	< 0.33 mg/kg	0.33	064700000P
4-chloro-3-methylphenol	< 0.33 mg/kg	0.33	119000000P
2,4,6-trichlorophenol	< 0.33 mg/kg	0.33	065600000P
2,4-dinitrophenol	< 0.833 mg/kg	0.833	065000000P
4-nitrophenol	< 0.833 mg/kg	0.833	119200000P
2-methyl-4,6-dinitrophenol	< 0.833 mg/kg	0.833	064900000P
pentachlorophenol	< 0.833 mg/kg	0.833	119400000P

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Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

1200 New Holland Pike, Lancaster, PA 17602

LLI Sample No. SW 1309494

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/ 5/88
Date Submitted 9/21/88
Discard Date 11/ 5/88
Collected by C
P.O. 87C2839A-5
Rel.

Philadelphia Coke Co. FGH 5.5 Combo Composite Soil
Collected on 09/20/88 at 1200 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Moisture "Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.	40.5 % by wt.	0.1	011101100P
Reactivity Reactivity:	see below		112104000P
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.			
Sulfide (Reactivity)	< 50. mg/kg	50.	112201500P
Cyanide (Reactivity)	< 100. mg/kg	100.	112301500P
Acid Extractables (Soils)	attached		1198170C
Base Neutrals (Soils)	attached		119929000P
Base Neutrals cont (Soils)	attached		120000000P

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03464 60.00 060100

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5984 (717) 668-2301

LLI Sample No. SW 1336017

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/ 7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 4.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

Base Neutrals cont (Soils)	RESULT		LIMIT OF DETECTION	LAB CODE
	DRY WT.	BASIS		
anthracene	1.03	mg/kg	0.5	065900000N
di-n-butyl phthalate	< 0.50	mg/kg	0.5	068200000N
fluoranthene	2.25	mg/kg	0.5	068700000N
pyrene	3.43	mg/kg	0.5	119500000N
benzidine	< 1.0	mg/kg	1.	066000000N
butyl benzyl phthalate	< 0.50	mg/kg	0.5	067100000N
benzo (a) anthracene	1.52	mg/kg	0.5	066100000N
chrysene	2.02	mg/kg	0.5	067400000N
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.	067900000N
bis (2-ethylhexyl) phthalate	< 0.50	mg/kg	0.5	066900000N
di-n-octyl phthalate	< 0.50	mg/kg	0.5	068500000N
benzo (b) fluoranthene	1.81	mg/kg	0.5	066300000N
benzo (K) fluoranthene	< 0.50	mg/kg	0.5	066500000N
benzo (a) pyrene	1.33	mg/kg	0.5	066200000N
indeno (1,2,3-cd) pyrene	0.69	mg/kg	0.5	069300000N
dibenzo (a,h) anthracene	< 0.50	mg/kg	0.5	067500000N
benzo (ghi) perylene	0.84	mg/kg	0.5	066400000N

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 666-2301

III Sample No. SV 1336017

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/ 7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 4.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

	RESULT		LIMIT OF	LAB CODE
	DRY WT.	BASIS	DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.50	mg/kg	0.5	069700000N
bis (2-chloroethyl) ether	< 0.50	mg/kg	0.5	066700000N
1,3-dichlorobenzene	< 0.50	mg/kg	0.5	067700000N
1,4-dichlorobenzene	< 0.50	mg/kg	0.5	118700000N
1,2-dichlorobenzene	< 0.50	mg/kg	0.5	067600000N
bis (2-chloroisopropyl) ether	< 0.50	mg/kg	0.5	066800000N
hexachloroethane	< 0.50	mg/kg	0.5	069200000N
N-nitrosodi-n-propylamine	< 0.50	mg/kg	0.5	118800000N
nitrobenzene	< 0.50	mg/kg	0.5	069600000N
isophorone	< 0.50	mg/kg	0.5	069400000N
bis (2-chloroethoxy) methane	< 0.50	mg/kg	0.5	066600000N
1,2,4-trichlorobenzene	< 0.50	mg/kg	0.5	118900000N
naphthalene	2.25	mg/kg	0.5	069500000N
hexachlorobutadiene	< 0.50	mg/kg	0.5	069000000N
hexachlorocyclopentadiene	< 0.50	mg/kg	0.5	069100000N
2-chloronaphthalene	< 0.50	mg/kg	0.5	067200000N
acenaphthylene	< 0.50	mg/kg	0.5	065800000N
dimethyl phthalate	< 0.50	mg/kg	0.5	068100000N
2,6-dinitrotoluene	< 0.50	mg/kg	0.5	068400000N
acenaphthene	1.87	mg/kg	0.5	119100000N
2,4-dinitrotoluene	< 0.50	mg/kg	0.5	119300000N
fluorene	1.47	mg/kg	0.5	068800000N
4-chlorophenyl phenyl ether	< 0.50	mg/kg	0.5	067300000N
diethyl phthalate	< 0.50	mg/kg	0.5	068000000N
1,2-diphenylhydrazine	< 0.50	mg/kg	0.5	068600000N
N-nitrosodiphenylamine	< 0.50	mg/kg	0.5	069900000N
4-bromophenyl phenyl ether	< 0.50	mg/kg	0.5	067000000N
hexachlorobenzene	< 0.50	mg/kg	0.5	068900000N
phenanthrene	3.93	mg/kg	0.5	070000000N

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Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1336017

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 4.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Acid Extractables (Soils)				
2-chlorophenol	< 0.50	mg/kg	0.5	118600000N
phenol	< 0.50	mg/kg	0.5	118500000N
2-nitrophenol	< 0.50	mg/kg	0.5	065100000N
2,4-dimethylphenol	< 0.50	mg/kg	0.5	064800000N
2,4-dichlorophenol	< 0.50	mg/kg	0.5	064700000N
4-chloro-3-methylphenol	< 0.50	mg/kg	0.5	119000000N
2,4,6-trichlorophenol	< 0.50	mg/kg	0.5	065600000N
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000N
4-nitrophenol	< 1.0	mg/kg	1.	119200000N
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000N
pentachlorophenol	< 1.0	mg/kg	1.	119400000N

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Richard S. Rodgers, B.S.
Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5984 (717) 658-2300

LLI Sample No. SV 1336017

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 4.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB CODE
119817000
119929000
120000000

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5986 (717) 658-0200

LLI Sample No. TL 1336019

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

EP Toxicity Leachate of Philadelphia Coke Co. FGH
4.5 Combo Composite Soil Sample
Collected on 12/06/88 at 1500 by JV

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	< 0.05 mg/l	0.05	024502500
Barium	< 0.1 mg/l	0.1	024601300
Cadmium	0.007 mg/l	0.005	024901300
Chromium	< 0.05 mg/l	0.05	025101300
Lead	< 0.05 mg/l	0.05	025501300
Mercury	< 0.0005 mg/l	0.0005	025902500
Selenium	< 0.02 mg/l	0.02	026402500
Silver	< 0.01 mg/l	0.01	026601300

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0, Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4, Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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Group Leader, GC/MS

310 03464 150.00 029000

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Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5084 (717) 658-2200

LLI Sample No. SW 1336017

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGB 4.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

Base Neutrals cont (Soils)	RESULT		LIMIT OF DETECTION	LAB CODE
	AS RECEIVED			
anthracene	0.70	mg/kg	0.33	065900000N
di-n-butyl phthalate	< 0.33	mg/kg	0.33	068200000N
fluoranthene	1.53	mg/kg	0.33	068700000N
pyrene	2.33	mg/kg	0.33	119500000N
benzidine	< 0.833	mg/kg	0.833	066000000N
butyl benzyl phthalate	< 0.33	mg/kg	0.33	067100000N
benzo (a) anthracene	1.03	mg/kg	0.33	066100000N
chrysene	1.37	mg/kg	0.33	067400000N
3,3'-dichlorobenzidine	< 0.833	mg/kg	0.833	067900000N
bis (2-ethylhexyl) phthalate	< 0.33	mg/kg	0.33	066900000N
di-n-octyl phthalate	< 0.33	mg/kg	0.33	068500000N
benzo (b) fluoranthene	1.23	mg/kg	0.33	066300000N
benzo (K) fluoranthene	< 0.33	mg/kg	0.33	066500000N
benzo (a) pyrene	0.90	mg/kg	0.33	066200000N
indeno (1,2,3-cd) pyrene	0.47	mg/kg	0.33	069300000N
dibenzo (a,h) anthracene	< 0.33	mg/kg	0.33	067500000N
benzo (ghi) perylene	0.57	mg/kg	0.33	066400000N

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2420 New Holland Pike, Lancaster, PA 17604-6884 (717) 658-2000

III Sample No. SU 1336017

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/ 7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 4.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	069700000N
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	066700000N
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	067700000N
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	118700000N
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	067600000N
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	066800000N
hexachloroethane	< 0.33	mg/kg	0.33	069200000N
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	118800000N
nitrobenzene	< 0.33	mg/kg	0.33	069600000N
isophorone	< 0.33	mg/kg	0.33	069400000N
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	066600000N
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	118900000N
naphthalene	1.53	mg/kg	0.33	069500000N
hexachlorobutadiene	< 0.33	mg/kg	0.33	069000000N
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	069100000N
2-chloronaphthalene	< 0.33	mg/kg	0.33	067200000N
acenaphthylene	< 0.33	mg/kg	0.33	065800000N
dimethyl phthalate	< 0.33	mg/kg	0.33	068100000N
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	068400000N
acenaphthene	1.27	mg/kg	0.33	119100000N
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	119300000N
fluorene	1.00	mg/kg	0.33	068800000N
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	067300000N
diethyl phthalate	< 0.33	mg/kg	0.33	068000000N
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	068600000N
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	069900000N
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	067000000N
hexachlorobenzene	< 0.33	mg/kg	0.33	3900000N
phenanthrene	2.67	mg/kg	0.33	070000000N

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5504 (717) 399-0000

LLI Sample No. SW 1336017

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 4.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

Acid Extractables (Soils)	RESULT AS RECEIVED	UNIT	LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.33	mg/kg	0.33	118600000N
phenol	< 0.33	mg/kg	0.33	118500000N
2-nitrophenol	< 0.33	mg/kg	0.33	065100000N
2,4-dimethylphenol	< 0.33	mg/kg	0.33	064800000N
2,4-dichlorophenol	< 0.33	mg/kg	0.33	064700000N
4-chloro-3-methylphenol	< 0.33	mg/kg	0.33	119000000N
2,4,6-trichlorophenol	< 0.33	mg/kg	0.33	065600000N
2,4-dinitrophenol	< 0.833	mg/kg	0.833	065000000N
4-nitrophenol	< 0.833	mg/kg	0.833	119200000N
2-methyl-4,6-dinitrophenol	< 0.833	mg/kg	0.833	064900000N
pentachlorophenol	< 0.833	mg/kg	0.833	119400000N

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Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 658-2301

LLI Sample No. SW 1336017

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 4.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

ANALYSIS	RESULT	LIMIT OF DETECTION	LAB CODE
Moisture	32.1 % by wt.	0.1	011101100
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Reactivity	see below		112104000
Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.			
Sulfide (Reactivity)	< 50. mg/kg	50.	112201500
Cyanide (Reactivity)	< 100. mg/kg	100.	112301500
Acid Extractables (Soils)	attached		119817000
Base Neutrals (Soils)	attached		119929000
Base Neutrals cont (Soils)	attached		120000000

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310 03464 60.00 060100

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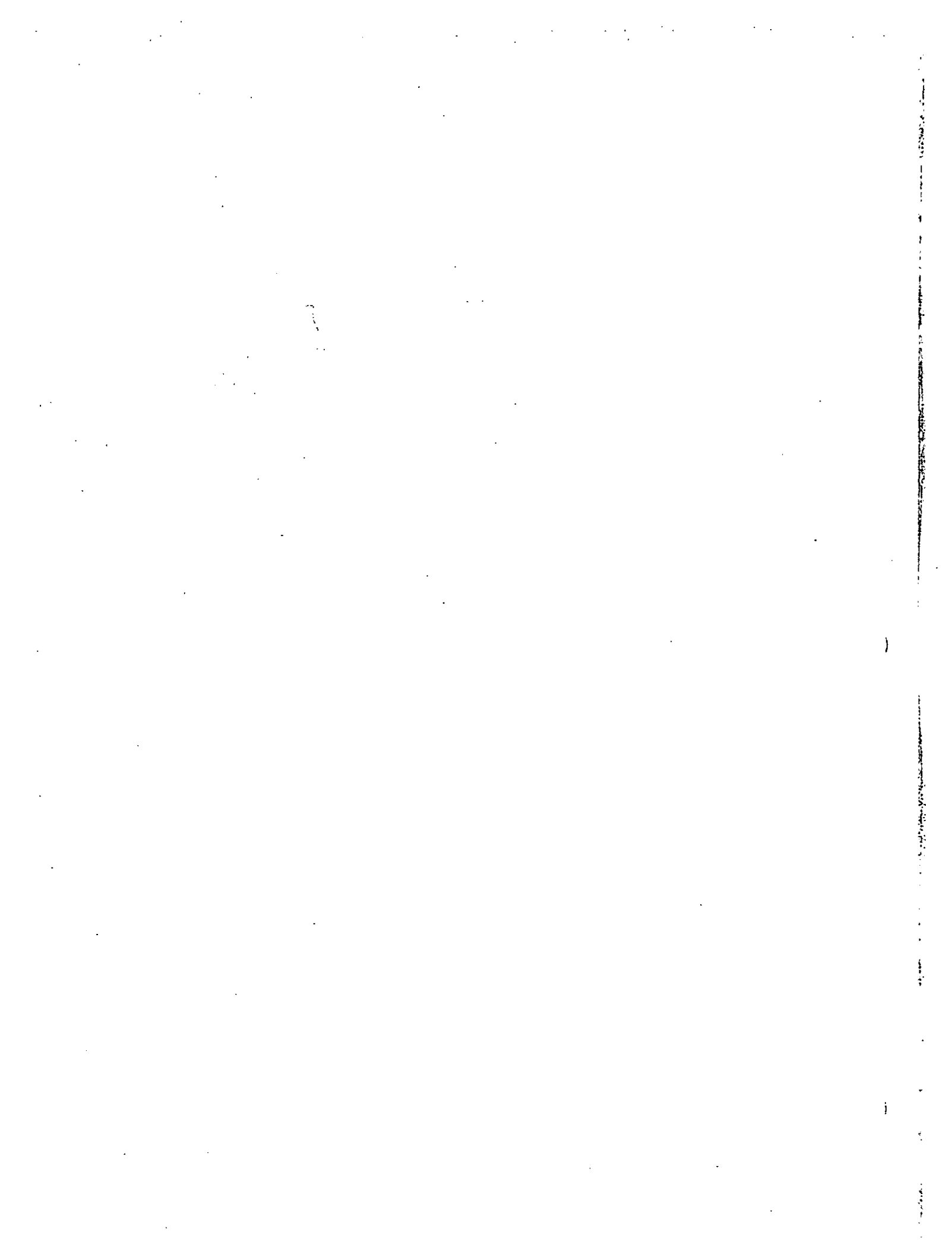
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Appendix D-3: Confirmatory Soil Sample Analysis

<u>Sample Area</u> (Fig. 5)	<u>Sample Name</u>
I	FGH 4.5 COMBO
II	FGH 5.5 COMBO
III	EFG 6-7 COMBO
IV	FGH 7.5 COMBO
V	FGH 8.5 COMBO
VI	GH 6-8 COMBO
VII	TARP-1
VIII	SP 1-5
IX	SP 6-10
X	SP 11-15
XI	B-8/6B
XII	B-4/11C
XIII	A-4/8C
XIV	SC 11-13
XV	OB-1
XVI	SC 8-9

Box #	Box Description	Contents
07	HCI 5072711 5072821	

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 NEW HOLLAND PIKE, LANCASTER, PA 17601-5984 (717) 656-2301

LLI Sample No. SW 1317665

Woodward, Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/24/88
Date Submitted 10/13/88
Discard Date 11/24/88
Collected by C
P.O. 87C2839A-5
Rel.

Phila. Coke Co. EFG6-7 Combo Soil Sample
Collected on 10/13/88 at 0900 by JV

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Acid Extractables (Soils)				
2-chlorophenol	< 0.50	mg/kg	0.5	118600000P
phenol	< 0.50	mg/kg	0.5	118500000P
2-nitrophenol	< 0.50	mg/kg	0.5	065100000P
2,4-dimethylphenol	< 0.50	mg/kg	0.5	064800000P
2,4-dichlorophenol	< 0.50	mg/kg	0.5	064700000P
4-chloro-3-methylphenol	< 0.50	mg/kg	0.5	119000000P
2,4,6-trichlorophenol	< 0.50	mg/kg	0.5	065600000P
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000P
4-nitrophenol	< 1.0	mg/kg	1.	119200000P
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000P
pentachlorophenol	< 1.0	mg/kg	1.	119400000P

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ATTN: Jim Husted

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Group Leader, GC/MS



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2425 NEW HOLLAND PIKE, LANCASTER, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1317665

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/24/88
Date Submitted 10/13/88
Discard Date 11/24/88
Collected by C
P.O. 87C2839A-5
Rel.

Phila. Coke Co. EFG6-7. Combo Soil Sample
Collected on 10/13/88 at 0900 by JV

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.50	mg/kg	0.5	069700000P
bis (2-chloroethyl) ether	< 0.50	mg/kg	0.5	066700000P
1,3-dichlorobenzene	< 0.50	mg/kg	0.5	067700000P
1,4-dichlorobenzene	< 0.50	mg/kg	0.5	118700000P
1,2-dichlorobenzene	< 0.50	mg/kg	0.5	067600000P
bis (2-chloroisopropyl) ether	< 0.50	mg/kg	0.5	066800000P
hexachloroethane	< 0.50	mg/kg	0.5	069200000P
N-nitrosodi-n-propylamine	< 0.50	mg/kg	0.5	118800000P
nitrobenzene	< 0.50	mg/kg	0.5	069600000P
isophorone	< 0.50	mg/kg	0.5	069400000P
bis (2-chloroethoxy) methane	< 0.50	mg/kg	0.5	066600000P
1,2,4-trichlorobenzene	< 0.50	mg/kg	0.5	118900000P
naphthalene	0.74	mg/kg	0.5	069500000P
hexachlorobutadiene	< 0.50	mg/kg	0.5	069000000L
hexachlorocyclopentadiene	< 0.50	mg/kg	0.5	069100000P
2-chloronaphthalene	< 0.50	mg/kg	0.5	067200000P
acenaphthylene	< 0.50	mg/kg	0.5	065800000P
dimethyl phthalate	< 0.50	mg/kg	0.5	068100000P
2,6-dinitrotoluene	< 0.50	mg/kg	0.5	068400000P
acenaphthene	< 0.50	mg/kg	0.5	119100000P
2,4-dinitrotoluene	< 0.50	mg/kg	0.5	119300000P
fluorene	< 0.50	mg/kg	0.5	068800000P
4-chlorophenyl phenyl ether	< 0.50	mg/kg	0.5	067300000P
diethyl phthalate	< 0.50	mg/kg	0.5	068000000P
1,2-diphenylhydrazine	< 0.50	mg/kg	0.5	068600000P
N-nitrosodiphenylamine	< 0.50	mg/kg	0.5	069900000P
4-bromophenyl phenyl ether	< 0.50	mg/kg	0.5	067000000P
hexachlorobenzene	< 0.50	mg/kg	0.5	068900000P
phenanthrene	0.79	mg/kg	0.5	070000000P

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ATTN: Jim Husted

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LLI Sample No. SW 1317665

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 10/24/88
Date Submitted 10/13/88
Discard Date 11/24/88
Collected by C
P.O. 87C2839A-5
Rel.

Phila. Coke Co. EFG6-7 Combo Soil Sample
Collected on 10/13/88 at 0900 by JV

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals cont (Soils)				
anthracene	< 0.50	mg/kg	0.5	065900000P
di-n-butyl phthalate	< 0.50	mg/kg	0.5	068200000P
fluoranthene	1.44	mg/kg	0.5	068700000P
pyrene	1.68	mg/kg	0.5	119500000P
benzidine	< 1.0	mg/kg	1.	066000000P
butyl benzyl phthalate	< 0.50	mg/kg	0.5	067100000P
benzo (a) anthracene	0.89	mg/kg	0.5	066100000P
chrysene	1.68	mg/kg	0.5	067400000P
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.	067900000P
bis (2-ethylhexyl) phthalate	< 0.50	mg/kg	0.5	066900000P
di-n-octyl phthalate	< 0.50	mg/kg	0.5	068500000P
benzo (b) fluoranthene	1.14	mg/kg	0.5	066300000P
benzo (K) fluoranthene	< 0.50	mg/kg	0.5	066500000P
benzo (a) pyrene	0.79	mg/kg	0.5	066200000P
indeno (1,2,3-cd) pyrene	< 0.50	mg/kg	0.5	069300000P
dibenzo (a,h) anthracene	< 0.50	mg/kg	0.5	067500000P
benzo (ghi) perylene	< 0.50	mg/kg	0.5	066400000P

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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ATTN: Jim Husted

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2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 856-2301

III Sample No. SW 1342954

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 1/17/89
Date Submitted 12/23/88
Discard Date 2/17/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 7.5 Combo Composite Soil
Sample
Collected on 12/22/88 at 1400 by JV

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Moisture "Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.	36.0 % by wt.	0.1	011101100
Reactivity	see below		112104000
Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.			
Sulfide (Reactivity)	< 50. mg/kg	50.	112201500
Cyanide (Reactivity)	< 100. mg/kg	100.	112301500
Acid Extractables (Soils)	attached		11981700
Base Neutrals (Soils)	attached		119929000
Base Neutrals cont (Soils)	attached		120000000

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III Sample No. SV 1342954

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 1/17/89
Date Submitted 12/23/88
Discard Date 2/17/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 7.5 Combo Composite Soil
Sample
Collected on 12/22/88 at 1400 by JV

Acid Extractables (Soils)	RESULT AS RECEIVED	UNIT	LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.33	mg/kg	0.33	118600000N
phenol	< 0.33	mg/kg	0.33	118500000N
2-nitrophenol	< 0.33	mg/kg	0.33	065100000N
2,4-dimethylphenol	< 0.33	mg/kg	0.33	064800000N
2,4-dichlorophenol	< 0.33	mg/kg	0.33	064700000N
4-chloro-3-methylphenol	< 0.33	mg/kg	0.33	119000000N
2,4,6-trichlorophenol	< 0.33	mg/kg	0.33	065600000N
2,4-dinitrophenol	< 0.833	mg/kg	0.833	065000000N
4-nitrophenol	< 0.833	mg/kg	0.833	119200000N
2-methyl-4,6-dinitrophenol	< 0.833	mg/kg	0.833	064900000N
pentachlorophenol	< 0.833	mg/kg	0.833	119400000N

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LLI Sample No. SW 1342954

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 1/17/89
Date Submitted 12/23/88
Discard Date 2/17/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 7.5 Combo Composite Soil
Sample
Collected on 12/22/88 at 1400 by JV

	RESULT		LIMIT OF DETECTION	LAB CODE
	AS RECEIVED			
Base Neutrals (Soils)	< 0.33	mg/kg	0.33	069700000N
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	066700000N
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	067700000N
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	118700000N
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	067600000N
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	066800000N
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	069200000N
hexachloroethane	< 0.33	mg/kg	0.33	118800000N
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	069600000N
nitrobenzene	< 0.33	mg/kg	0.33	069400000N
isophorone	< 0.33	mg/kg	0.33	066600000N
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	118900000N
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	069500000N
naphthalene	< 0.33	mg/kg	0.33	069000000N
hexachlorobutadiene	< 0.33	mg/kg	0.33	069100000N
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	0672000
2-chloronaphthalene	< 0.33	mg/kg	0.33	065800000N
acenaphthylene	< 0.33	mg/kg	0.33	068100000N
dimethyl phthalate	< 0.33	mg/kg	0.33	068400000N
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	119100000N
acenaphthene	< 0.33	mg/kg	0.33	119300000N
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	068800000N
fluorene	< 0.33	mg/kg	0.33	067300000N
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	068000000N
diethyl phthalate	< 0.33	mg/kg	0.33	068600000N
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	069900000N
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	067000000N
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	068900000N
hexachlorobenzene	< 0.33	mg/kg	0.33	070000000N
phenanthrene	0.77	mg/kg	0.33	

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ANALYSIS REPORT

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2425 New Holland Pike, Lancaster, PA 17601-5800 (717) 856-2381

LII Sample No. SV 1342954

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 1/17/89
Date Submitted 12/23/88
Discard Date 2/17/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 7.5 Combo Composite Soil
Sample
Collected on 12/22/88 at 1400 by JV

Base Neutrals cont (Soils)	RESULT AS RECEIVED	UNIT	LIMIT OF DETECTION	LAB CODE
anthracene	< 0.33	mg/kg	0.33	065900000N
di-n-butyl phthalate	< 0.33	mg/kg	0.33	068200000N
fluoranthene	0.83	mg/kg	0.33	068700000N
pyrene	1.33	mg/kg	0.33	119500000N
benzidine	< 0.833	mg/kg	0.833	066000000N
butyl benzyl phthalate	< 0.33	mg/kg	0.33	067100000N
benzo (a) anthracene	0.60	mg/kg	0.33	066100000N
chrysene	0.73	mg/kg	0.33	067400000N
3,3'-dichlorobenzidine	< 0.833	mg/kg	0.833	067900000N
bis (2-ethylhexyl) phthalate	< 0.33	mg/kg	0.33	066900000N
di-n-octyl phthalate	< 0.33	mg/kg	0.33	068500000N
benzo (b) fluoranthene	0.63	mg/kg	0.33	066300000N
benzo (K) fluoranthene	< 0.33	mg/kg	0.33	066500000N
benzo (a) pyrene	0.47	mg/kg	0.33	066200000N
indeno (1,2,3-cd) pyrene	< 0.33	mg/kg	0.33	069300000N
dibenzo (a,h) anthracene	< 0.33	mg/kg	0.33	067500000N
benzo (ghi) perylene	< 0.33	mg/kg	0.33	066400000N

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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2425 New Holland Pike, Lancaster, PA 17601-5800 (717) 659-2333

III Sample No. TL 1342955

Woodward Clyde Consultants
5120 Burler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 1/17/89
Date Submitted 12/23/88
Discard Date 2/17/89
Collected by JV
P.O. 87C2839A
Rel.

EP Toxicity Leachate of Philadelphia Coke Co.
FGH 7.5 Combo Composite Soil Sample
Collected on 12/22/88 at 1400 by JV

ANALYSIS	RESULT	LIMIT OF DETECTION	LAB CODE
Arsenic	AS RECEIVED < 0.05 mg/l	0.05	024502500
Barium	0.3 mg/l	0.1	024601300
Cadmium	< 0.005 mg/l	0.005	024901300
Chromium	< 0.05 mg/l	0.05	025101300
Lead	< 0.05 mg/l	0.05	025501300
Mercury	< 0.0005 mg/l	0.0005	025902500
Selenium	< 0.02 mg/l	0.02	026402500
Silver	< 0.01 mg/l	0.01	026601300

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0, Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4, Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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Richard S. Rodgers, B.S.
Group Leader, GC/MS

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5984 (717) 656-2301

Sample No. SV 137295A

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 1/17/89
Date Submitted 12/23/88
Discard Date 2/17/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 7.5 Combo Composite Soil
Sample
Collected on 12/22/88 at 1400 by JV

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB CODE
119800000
119900000
120000000

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Group Leader, GC/MS

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

L.L. Sample No. SU 13/2054

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 1/17/89
Date Submitted 12/23/88
Discard Date 2/17/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 7.5 Combo Composite Soil
Sample
Collected on 12/22/88 at 1400 by JV

Acid Extractables (Soils)	RESULT		LIMIT OF DETECTION	LAB CODE
	DRY WT.	BASIS		
2-chlorophenol	< 0.50	mg/kg	0.5	118600000N
phenol	< 0.50	mg/kg	0.5	118500000N
2-nitrophenol	< 0.50	mg/kg	0.5	065100000N
2,4-dimethylphenol	< 0.50	mg/kg	0.5	064800000N
2,4-dichlorophenol	< 0.50	mg/kg	0.5	064700000N
4-chloro-3-methylphenol	< 0.50	mg/kg	0.5	119000000N
2,4,6-trichlorophenol	< 0.50	mg/kg	0.5	065600000N
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000N
4-nitrophenol	< 1.0	mg/kg	1.	119200000N
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000N
pentachlorophenol	< 1.0	mg/kg	1.	119400000N

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

III Sample No. SV 1342954

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 1/17/89
Date Submitted 12/23/88
Discard Date 2/17/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 7.5 Combo Composite Soil
Sample
Collected on 12/22/88 at 1400 by JV

	RESULT		LIMIT OF	LAB CODE
	DRY WT.	BASIS	DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.50	mg/kg	0.5	069700000N
bis (2-chloroethyl) ether	< 0.50	mg/kg	0.5	066700000N
1,3-dichlorobenzene	< 0.50	mg/kg	0.5	067700000N
1,4-dichlorobenzene	< 0.50	mg/kg	0.5	118700000N
1,2-dichlorobenzene	< 0.50	mg/kg	0.5	067600000N
bis (2-chloroisopropyl) ether	< 0.50	mg/kg	0.5	066800000N
hexachloroethane	< 0.50	mg/kg	0.5	069200000N
N-nitrosodi-n-propylamine	< 0.50	mg/kg	0.5	118800000N
nitrobenzene	< 0.50	mg/kg	0.5	069600000N
isophorone	< 0.50	mg/kg	0.5	069400000N
bis (2-chloroethoxy) methane	< 0.50	mg/kg	0.5	066600000N
1,2,4-trichlorobenzene	< 0.50	mg/kg	0.5	118900000N
naphthalene	< 0.50	mg/kg	0.5	069500000N
hexachlorobutadiene	< 0.50	mg/kg	0.5	069000000N
hexachlorocyclopentadiene	< 0.50	mg/kg	0.5	069100000N
2-chloronaphthalene	< 0.50	mg/kg	0.5	067200000N
acenaphthylene	< 0.50	mg/kg	0.5	065800000N
dimethyl phthalate	< 0.50	mg/kg	0.5	068100000N
2,6-dinitrotoluene	< 0.50	mg/kg	0.5	068400000N
acenaphthene	< 0.50	mg/kg	0.5	119100000N
2,4-dinitrotoluene	< 0.50	mg/kg	0.5	119300000N
fluorene	< 0.50	mg/kg	0.5	068800000N
4-chlorophenyl phenyl ether	< 0.50	mg/kg	0.5	067300000N
diethyl phthalate	< 0.50	mg/kg	0.5	068000000N
1,2-diphenylhydrazine	< 0.50	mg/kg	0.5	068600000N
N-nitrosodiphenylamine	< 0.50	mg/kg	0.5	069900000N
4-bromophenyl phenyl ether	< 0.50	mg/kg	0.5	067000000N
hexachlorobenzene	< 0.50	mg/kg	0.5	068900000N
phenanthrene	1.20	mg/kg	0.5	070000000N

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Group Leader, GC/MS

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Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 658-2301

III Sample No. SV 1342954

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 1/17/89
Date Submitted 12/23/88
Discard Date 2/17/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 7.5 Combo Composite Soil
Sample
Collected on 12/22/88 at 1400 by JV

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals cont (Soils)				
anthracene	< 0.50	mg/kg	0.5	065900000N
di-n-butyl phthalate	< 0.50	mg/kg	0.5	068200000N
fluoranthene	1.30	mg/kg	0.5	068700000N
pyrene	2.08	mg/kg	0.5	119500000N
benzidine	< 1.0	mg/kg	1.	066000000N
butyl benzyl phthalate	< 0.50	mg/kg	0.5	067100000N
benzo (a) anthracene	0.94	mg/kg	0.5	066100000N
chrysene	1.14	mg/kg	0.5	067400000N
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.	067900000N
bis (2-ethylhexyl) phthalate	< 0.50	mg/kg	0.5	066900000N
di-n-octyl phthalate	< 0.50	mg/kg	0.5	068500000N
benzo (b) fluoranthene	0.98	mg/kg	0.5	066300000N
benzo (K) fluoranthene	< 0.50	mg/kg	0.5	066500000N
benzo (a) pyrene	0.73	mg/kg	0.5	066200000N
indeno (1,2,3-cd) pyrene	< 0.50	mg/kg	0.5	069300000N
dibenzo (a,h) anthracene	< 0.50	mg/kg	0.5	067500000N
benzo (ghi) perylene	< 0.50	mg/kg	0.5	066400000N

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5984 (717) 658-2301

LLI Sample No. SW 1336018

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 8.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

ANALYSIS	RESULT	LIMIT OF	LAB CODE
Moisture	AS RECEIVED	DETECTION	
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.	25.8 % by wt.	0.1	011101100
Reactivity	see below		112104000
Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.			
Sulfide (Reactivity)	< 50. mg/kg	50.	112201500
Cyanide (Reactivity)	< 100. mg/kg	100.	112301500
Acid Extractables (Soils)	attached		119817000
Base Neutrals (Soils)	attached		119929000
Base Neutrals cont (Soils)	attached		120000000

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310 03464 60.00 060100

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5984 (717) 656-2301

III Sample No. SU 1336018

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 8.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

	RESULT	LIMIT OF	LAB CODE
	AS RECEIVED	DETECTION	
Acid Extractables (Soils)			
2-chlorophenol	< 0.33 mg/kg	0.33	118600000N
phenol	< 0.33 mg/kg	0.33	118500000N
2-nitrophenol	< 0.33 mg/kg	0.33	065100000N
2,4-dimethylphenol	< 0.33 mg/kg	0.33	064800000N
2,4-dichlorophenol	< 0.33 mg/kg	0.33	064700000N
4-chloro-3-methylphenol	< 0.33 mg/kg	0.33	119000000N
2,4,6-trichlorophenol	< 0.33 mg/kg	0.33	065600000N
2,4-dinitrophenol	< 0.833 mg/kg	0.833	065000000N
4-nitrophenol	< 0.833 mg/kg	0.833	119200000N
2-methyl-4,6-dinitrophenol	< 0.833 mg/kg	0.833	064900000N
pentachlorophenol	< 0.833 mg/kg	0.833	119400000N

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2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1336018

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 8.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	069700000N
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	066700000N
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	067700000N
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	118700000N
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	067600000N
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	066800000N
hexachloroethane	< 0.33	mg/kg	0.33	069200000N
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	118800000N
nitrobenzene	< 0.33	mg/kg	0.33	069600000N
isophorone	< 0.33	mg/kg	0.33	069400000N
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	066600000N
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	118900000N
naphthalene	< 0.33	mg/kg	0.33	069500000N
hexachlorobutadiene	< 0.33	mg/kg	0.33	069000000N
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	069100000N
2-chloronaphthalene	< 0.33	mg/kg	0.33	067200000N
acenaphthylene	0.47	mg/kg	0.33	065800000N
dimethyl phthalate	< 0.33	mg/kg	0.33	068100000N
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	068400000N
acenaphthene	0.50	mg/kg	0.33	119100000N
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	119300000N
fluorene	2.57	mg/kg	0.33	068800000N
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	067300000N
diethyl phthalate	< 0.33	mg/kg	0.33	068000000N
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	068600000N
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	069900000N
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	067000000N
hexachlorobenzene	< 0.33	mg/kg	0.33	068900000N
phenanthrene	11.7	mg/kg	3.3	070000000N

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5884 (717) 658-2301

LLI Sample No. SW 1336018

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/ 7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 8.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
Base Neutrals cont (Soils)				
anthracene	1.50	mg/kg	0.33	065900000N
di-n-butyl phthalate	< 0.33	mg/kg	0.33	068200000N
fluoranthene	10.0	mg/kg	3.3	068700000N
pyrene	4.00	mg/kg	0.33	119500000N
benzidine	< 0.833	mg/kg	0.833	066000000N
butyl benzyl phthalate	0.70	mg/kg	0.33	067100000N
benzo (a) anthracene	2.23	mg/kg	0.33	066100000N
chrysene	2.20	mg/kg	0.33	067400000N
3,3'-dichlorobenzidine	< 0.833	mg/kg	0.833	067900000N
bis (2-ethylhexyl) phthalate	< 0.33	mg/kg	0.33	066900000N
di-n-octyl phthalate	< 0.33	mg/kg	0.33	068500000N
benzo (b) fluoranthene	2.73	mg/kg	0.33	066300000N
benzo (K) fluoranthene	< 0.33	mg/kg	0.33	066500000N
benzo (a) pyrene	1.73	mg/kg	0.33	066200000N
indeno (1,2,3-cd) pyrene	0.97	mg/kg	0.33	069300000N
dibenzo (a,h) anthracene	< 0.33	mg/kg	0.33	067500000N
benzo (ghi) perylene	1.07	mg/kg	0.33	066400000N

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ANALYSIS REPORT

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2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 658-2381

LLI Sample No. TL 1336020

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

EP Toxicity Leachate of Philadelphia Coke Co. FGH
8.5 Combo Composite Soil Sample
Collected on 12/06/88 at 1500 by JV

ANALYSIS	RESULT	LIMIT OF DETECTION	LAB CODE
Arsenic	AS RECEIVED		
Barium	< 0.05 mg/l	0.05	024502500
Cadmium	0.2 mg/l	0.1	024601300
Chromium	< 0.005 mg/l	0.005	024901300
Lead	< 0.05 mg/l	0.05	025101300
Mercury	< 0.05 mg/l	0.05	025501300
Selenium	< 0.0005 mg/l	0.0005	025902500
Silver	< 0.02 mg/l	0.02	026402500
	< 0.01 mg/l	0.01	026601300

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0, Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4, Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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310 03464 150.00 029000

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1336018

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/ 7/88
Discard Date 1/29/89
Collected by C
P.O. 37C2839A
Rel.

Philadelphia Coke Co. FGH 8.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB CODE
119817000
119929000
120000000

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Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

LLI Sample No. SV-1336018

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 8.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

	RESULT		LIMIT OF DETECTION	LAB CODE
	DRY WT.	BASIS		
Acid Extractables (Soils)				
2-chlorophenol	< 0.40	mg/kg	0.4	118600000N
phenol	< 0.40	mg/kg	0.4	118500000N
2-nitrophenol	< 0.40	mg/kg	0.4	065100000N
2,4-dimethylphenol	< 0.40	mg/kg	0.4	064800000N
2,4-dichlorophenol	< 0.40	mg/kg	0.4	064700000N
4-chloro-3-methylphenol	< 0.40	mg/kg	0.4	119000000N
2,4,6-trichlorophenol	< 0.40	mg/kg	0.4	065600000N
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000N
4-nitrophenol	< 1.0	mg/kg	1.	119200000N
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000N
pentachlorophenol	< 1.0	mg/kg	1.	119400000N

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Group Leader, GC/MS

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1336018

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 12/29/88
Date Submitted 12/7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

Philadelphia Coke Co. FGH 8.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.40	mg/kg	0.4	069700000N
bis (2-chloroethyl) ether	< 0.40	mg/kg	0.4	066700000N
1,3-dichlorobenzene	< 0.40	mg/kg	0.4	067700000N
1,4-dichlorobenzene	< 0.40	mg/kg	0.4	118700000N
1,2-dichlorobenzene	< 0.40	mg/kg	0.4	067600000N
bis (2-chloroisopropyl) ether	< 0.40	mg/kg	0.4	066800000N
hexachloroethane	< 0.40	mg/kg	0.4	069200000N
N-nitrosodi-n-propylamine	< 0.40	mg/kg	0.4	118800000N
nitrobenzene	< 0.40	mg/kg	0.4	069600000N
isophorone	< 0.40	mg/kg	0.4	069400000N
bis (2-chloroethoxy) methane	< 0.40	mg/kg	0.4	066600000N
1,2,4-trichlorobenzene	< 0.40	mg/kg	0.4	118900000N
naphthalene	< 0.40	mg/kg	0.4	06950000C
hexachlorobutadiene	< 0.40	mg/kg	0.4	069000000N
hexachlorocyclopentadiene	< 0.40	mg/kg	0.4	069100000N
2-chloronaphthalene	< 0.40	mg/kg	0.4	067200000N
acenaphthylene	0.63	mg/kg	0.4	065800000N
dimethyl phthalate	< 0.40	mg/kg	0.4	068100000N
2,6-dinitrotoluene	< 0.40	mg/kg	0.4	068400000N
acenaphthene	0.67	mg/kg	0.4	119100000N
2,4-dinitrotoluene	< 0.40	mg/kg	0.4	119300000N
fluorene	3.46	mg/kg	0.4	068800000N
4-chlorophenyl phenyl ether	< 0.40	mg/kg	0.4	067300000N
diethyl phthalate	< 0.40	mg/kg	0.4	068000000N
1,2-diphenylhydrazine	< 0.40	mg/kg	0.4	068600000N
N-nitrosodiphenylamine	< 0.40	mg/kg	0.4	069900000N
4-bromophenyl phenyl ether	< 0.40	mg/kg	0.4	067000000N
hexachlorobenzene	< 0.40	mg/kg	0.4	068900000N
phenanthrene	15.8	mg/kg	4.	070000000N

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Group Leader, GC/MS

Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Philadelphia Coke Co. FGH 8.5 Combo Composite Soil
Collected on 12/06/88 at 1500 by JV

LEL Sample No. SW 1336018

Date Reported: 12/29/88
Date Submitted 12/ 7/88
Discard Date 1/29/89
Collected by C
P.O. 87C2839A
Rel.

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals cont (Soils)				
anthracene	2.02	mg/kg	0.4	065900000N
di-n-butyl phthalate	< 0.40	mg/kg	0.4	068200000N
fluoranthene	13.5	mg/kg	4.	068700000N
pyrene	5.39	mg/kg	0.4	119500000N
benzidine	< 1.0	mg/kg	1.	066000000N
butyl benzyl phthalate	0.94	mg/kg	0.4	067100000N
benzo (a) anthracene	3.01	mg/kg	0.4	066100000N
chrysene	2.96	mg/kg	0.4	067400000N
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.	067900000N
bis (2-ethylhexyl) phthalate	< 0.40	mg/kg	0.4	066900000N
di-n-octyl phthalate	< 0.40	mg/kg	0.4	068500000N
benzo (b) fluoranthene	3.68	mg/kg	0.4	066300000N
benzo (K) fluoranthene	< 0.40	mg/kg	0.4	066500000N
benzo (a) pyrene	2.33	mg/kg	0.4	066200000N
indeno (1,2,3-cd) pyrene	1.31	mg/kg	0.4	069300000N
dibenzo (a,h) anthracene	< 0.40	mg/kg	0.4	067500000N
benzo (ghi) perylene	1.44	mg/kg	0.4	066400000N

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ATTN: Julie Via

The American Association for
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Biological & Environmental
Testing



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Our Standard Terms And Conditions

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

242 New Holland Pike, Lancaster, PA 17601-5984 (717) 656-2301

ILT Sample No. SW 135303Y

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/ 7/89
Date Submitted 1/30/89
Discard Date 3/10/89
Collected by C
P.O. 87C2839A-3
Rel.

Philadelphia Coke GH 6-8 Combo Composite Soil Samp
Collected on 01/20/89 at 1100 by JV

ANALYSIS

Moisture

RESULT
AS RECEIVED

31.1 % by wt.

LIMIT OF
QUANTITATION LAB CODE
0.1 011101100S

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.

Reactivity

see below

112102000S

Reactivity:

The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.

Sulfide (Reactivity)

< 50.

mg/kg

50.

112204000S

Cyanide (Reactivity)

< 100.

mg/kg

100.

112303000S

Acid Extractables (Soils)

attached

119817500S

Base Neutrals (Soils)

attached

1199300

Base Neutrals cont (Soils)

attached

120000000S

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Laboratory Accreditation
Chemical, Biological & Environmental
Testing

228 03464 55.00 063100



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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Lee A. Seats, B.S. Mgr.
Inorganic Analysis

Member American Council on
Environmental Laboratories, Inc.



ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 658-2301

III Sample No. SW 1353031

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/ 7/89
Date Submitted 1/30/89
Discard Date 3/10/89
Collected by C
P.O. 87C2839A-3
Rel.

Philadelphia Coke GH 6-8 Combo Composite Soil Samp
Collected on 01/20/89 at 1100 by JV

Acid Extractables (Soils)	RESULT AS RECEIVED	UNIT	LIMIT OF QUANTITATION	LAB CODE
2-chlorophenol	< 0.33	mg/kg	0.33	118600000S
phenol	< 0.33	mg/kg	0.33	118500000S
2-nitrophenol	< 0.33	mg/kg	0.33	065100000S
2,4-dimethylphenol	< 0.33	mg/kg	0.33	065100000S
2,4-dichlorophenol	< 0.33	mg/kg	0.33	064800000S
4-chloro-3-methylphenol	< 0.33	mg/kg	0.33	064700000S
2,4,6-trichlorophenol	< 0.33	mg/kg	0.33	119000000S
2,4-dinitrophenol	< 0.833	mg/kg	0.33	065600000S
4-nitrophenol	< 0.833	mg/kg	0.833	065000000S
2-methyl-4,6-dinitrophenol	< 0.833	mg/kg	0.833	119200000S
pentachlorophenol	< 0.833	mg/kg	0.833	064900000S
			0.833	119400000S

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Chemical, Biological & Environmental
Testing



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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

Lancaster Laboratories

INCORPORATED

2025 New Holland Pike, Lancaster, PA 17601-5894 (717) 652-2331

LLI Sample No. SW 1353031

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/ 7/89
Date Submitted 1/30/89
Discard Date 3/10/89
Collected by C
P.O. 87C2839A-3
Rel.

Philadelphia Coke GH 6-8, Combo Composite Soil Samp
Collected on 01/20/89 at 1100 by JV

	RESULT		LIMIT OF	
	AS RECEIVED		QUANTITATION	LAB CODE
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	069700000S
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	066700000S
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	067700000S
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	118700000S
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	067600000S
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	066800000S
hexachloroethane	< 0.33	mg/kg	0.33	069200000S
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	118800000S
nitrobenzene	< 0.33	mg/kg	0.33	069600000S
isophorone	< 0.33	mg/kg	0.33	069400000S
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	066600000S
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	118900000S
naphthalene	< 0.33	mg/kg	0.33	069500000S
hexachlorobutadiene	< 0.33	mg/kg	0.33	06900000
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	069100000S
2-chloronaphthalene	< 0.33	mg/kg	0.33	067200000S
acenaphthylene	< 0.33	mg/kg	0.33	065800000S
dimethyl phthalate	< 0.33	mg/kg	0.33	068100000S
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	068400000S
acenaphthene	< 0.33	mg/kg	0.33	119100000S
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	119300000S
fluorene	< 0.33	mg/kg	0.33	068800000S
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	067300000S
diethyl phthalate	< 0.33	mg/kg	0.33	068000000S
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	068600000S
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	069900000S
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	067000000S
hexachlorobenzene	< 0.33	mg/kg	0.33	068900000S
phenanthrene	0.77	mg/kg	0.33	070000000S

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

American Association for
Quality Accreditation
Chemical, Biological & Environmental
Fields of Testing



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Lancaster Laboratories

2425 New Holland Pk., Lancaster, PA 17601-5604 (717) 658-2301

LLI Sample No. SW 1353031

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/ 7/89
Date Submitted 1/30/89
Discard Date 3/10/89
Collected by C
P.O. 87C2839A-3
Rel.

Philadelphia Coke GH 6-8 Combo Composite Soil Samp
Collected on 01/20/89 at 1100 by JV

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		QUANTITATION	
Base Neutrals cont (Soils)				
anthracene	< 0.33	mg/kg	0.33	065900000S
di-n-butyl phthalate	< 0.33	mg/kg	0.33	068200000S
fluoranthene	0.47	mg/kg	0.33	068700000S
pyrene	1.17	mg/kg	0.33	119500000S
benzidine	< 0.833	mg/kg	0.833	066000000S
butyl benzyl phthalate	< 0.33	mg/kg	0.33	067100000S
benzo (a) anthracene	0.47	mg/kg	0.33	066100000S
chrysene	0.80	mg/kg	0.33	067400000S
3,3'-dichlorobenzidine	< 0.833	mg/kg	0.833	067900000S
bis (2-ethylhexyl) phthalate	< 0.33	mg/kg	0.33	066900000S
di-n-octyl phthalate	< 0.33	mg/kg	0.33	068500000S
benzo (b) fluoranthene	0.77	mg/kg	0.33	066300000S
benzo (K) fluoranthene	< 0.33	mg/kg	0.33	066500000S
benzo (a) pyrene	0.57	mg/kg	0.33	066200000S
indeno (1,2,3-cd) pyrene	< 0.33	mg/kg	0.33	069300000S
dibenzo (a,h) anthracene	< 0.33	mg/kg	0.33	067500000S
benzo (ghi) perylene	< 0.33	mg/kg	0.33	066400000S

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-9999 (717) 658-2301

LLI Sample No. TL 1353032

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/ 7/89
Date Submitted 1/30/89
Discard Date 3/10/89
Collected by C
P.O. 87C2839A.3
Rel.

EP Toxicity Leachate of Philadelphia Coke GH 6-8
Combo Composite Soil Sample
Collected on 01/30/89 at 1100 by JV

ANALYSIS	RESULT	LIMIT OF	LAB CODE
Barium	AS RECEIVED	QUANTITATION	
	0.2 mg/l	0.1	024601300S
Cadmium	< 0.005 mg/l	0.005	024901300S
Chromium	< 0.05 mg/l	0.05	025101300S
Lead	< 0.05 mg/l	0.05	025501300S
Mercury	< 0.0005 mg/l	0.0005	025902500S
Selenium	< 0.02 mg/l	0.02	026402500S
Silver	< 0.01 mg/l	0.01	026601300S
Arsenic	< 0.05 mg/l	0.05	133501300S

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0, Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4, Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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Chemical, Biological & Environmental
Toxicology

228 03464 150.00 027800



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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Lee A. Seats, B.S. Mgr.
Inorganic Analysis

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5884 (717) 658-2301

LLI Sample No. SU 1353031

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/ 7/89
Date Submitted 1/30/89
Discard Date 3/10/89
Collected by C
P.O. 87C2839A-3
Rel.

Philadelphia Coke GH 6-8 Combo Composite Soil Samp
Collected on 01/20/89 at 1100 by JV

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT
DRY WT. BASIS

attached
attached
attached

LIMIT OF QUANTITATION LAB CODE
119817500S
119930000S
120000000S

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Lee A. Seats, B.S. Mgr.
Inorganic Analysis

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Member of the Lancaster Laboratories Group
1985-1989



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1985-1989



ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5684 (717) 658-2301

Lab Sample No. SW 1353031

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/ 7/89
Date Submitted 1/30/89
Discard Date 3/10/89
Collected by C
P.O. 87C2839A-3
Rel.

Philadelphia Coke GH 6-8 Combo Composite Soil Samp
Collected on 01/20/89 at 1100 by JV

Acid Extractables (Soils)	RESULT		LIMIT OF	
	DRY WT.	BASIS	QUANTITATION	LAB CODE
2-chlorophenol	< 0.50	mg/kg	0.5	118600000S
phenol	< 0.50	mg/kg	0.5	118500000S
2-nitrophenol	< 0.50	mg/kg	0.5	065100000S
2,4-dimethylphenol	< 0.50	mg/kg	0.5	064800000S
2,4-dichlorophenol	< 0.50	mg/kg	0.5	064700000S
4-chloro-3-methylphenol	< 0.50	mg/kg	0.5	119000000S
2,4,6-trichlorophenol	< 0.50	mg/kg	0.5	065600000S
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000S
4-nitrophenol	< 1.0	mg/kg	1.	119200000S
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000S
pentachlorophenol	< 1.0	mg/kg	1.	119400000S

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-6904 (717) 856-2301

LLI Sample No. SV 1353031

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/ 7/89
Date Submitted 1/30/89
Discard Date 3/10/89
Collected by C
P.O. 87C2839A-3
Rel.

Philadelphia Coke GB 6-8 Combo Composite Soil Samp
Collected on 01/20/89 at 1100 by JV

	RESULT		LIMIT OF	
	DRY WT. BASIS		QUANTITATION	LAB CODE
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.50	mg/kg	0.5	069700000S
bis (2-chloroethyl) ether	< 0.50	mg/kg	0.5	066700000S
1,3-dichlorobenzene	< 0.50	mg/kg	0.5	067700000S
1,4-dichlorobenzene	< 0.50	mg/kg	0.5	118700000S
1,2-dichlorobenzene	< 0.50	mg/kg	0.5	067600000S
bis (2-chloroisopropyl) ether	< 0.50	mg/kg	0.5	066800000S
hexachloroethane	< 0.50	mg/kg	0.5	069200000S
N-nitrosodi-n-propylamine	< 0.50	mg/kg	0.5	118800000S
nitrobenzene	< 0.50	mg/kg	0.5	069600000S
isophorone	< 0.50	mg/kg	0.5	069400000S
bis (2-chloroethoxy) methane	< 0.50	mg/kg	0.5	066600000S
1,2,4-trichlorobenzene	< 0.50	mg/kg	0.5	118900000S
naphthalene	< 0.50	mg/kg	0.5	069500000S
hexachlorobutadiene	< 0.50	mg/kg	0.5	069000000S
hexachlorocyclopentadiene	< 0.50	mg/kg	0.5	069100000S
2-chloronaphthalene	< 0.50	mg/kg	0.5	067200000S
acenaphthylene	< 0.50	mg/kg	0.5	065800000S
dimethyl phthalate	< 0.50	mg/kg	0.5	068100000S
2,6-dinitrotoluene	< 0.50	mg/kg	0.5	068400000S
acenaphthene	< 0.50	mg/kg	0.5	119100000S
2,4-dinitrotoluene	< 0.50	mg/kg	0.5	119300000S
fluorene	< 0.50	mg/kg	0.5	068800000S
4-chlorophenyl phenyl ether	< 0.50	mg/kg	0.5	067300000S
diethyl phthalate	< 0.50	mg/kg	0.5	068000000S
1,2-diphenylhydrazine	< 0.50	mg/kg	0.5	068600000S
N-nitrosodiphenylamine	< 0.50	mg/kg	0.5	069900000S
4-bromophenyl phenyl ether	< 0.50	mg/kg	0.5	067000000S
hexachlorobenzene	< 0.50	mg/kg	0.5	068900000S
phenanthrene	1.12	mg/kg	0.5	070000000S

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Testing



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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5904 (717) 656-2301

LLI Sample No. SW 1353031

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/ 7/89
Date Submitted 1/30/89
Discard Date 3/10/89
Collected by C
P.O. 87C2839A-3
Rel.

Philadelphia Coke GB 6-8 Combo Composite Soil Samp
Collected on 01/20/89 at 1100 by JV

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		QUANTITATION	
Base Neutrals cont (Soils)				
anthracene	< 0.50	mg/kg	0.5	065900000S
di-n-butyl phthalate	< 0.50	mg/kg	0.5	068200000S
fluoranthene	0.68	mg/kg	0.5	068700000S
pyrene	1.70	mg/kg	0.5	068700000S
benzidine	< 1.0	mg/kg	0.5	119500000S
butyl benzyl phthalate	< 0.50	mg/kg	1.	066000000S
benzo (a) anthracene	0.68	mg/kg	0.5	067100000S
chrysene	1.16	mg/kg	0.5	066100000S
3,3'-dichlorobenzidine	< 1.0	mg/kg	0.5	067400000S
bis (2-ethylhexyl) phthalate	< 0.50	mg/kg	1.	067900000S
di-n-octyl phthalate	< 0.50	mg/kg	0.5	066900000S
benzo (b) fluoranthene	< 0.50	mg/kg	0.5	068500000S
benzo (K) fluoranthene	1.12	mg/kg	0.5	066300000S
benzo (a) pyrene	< 0.50	mg/kg	0.5	066500000S
indeno (1,2,3-cd) pyrene	0.83	mg/kg	0.5	0662000
dibenzo (a,h) anthracene	< 0.50	mg/kg	0.5	0693000
benzo (ghi) perylene	< 0.50	mg/kg	0.5	067500000S
	< 0.50	mg/kg	0.5	066400000S

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ATTN: Julie P. Via

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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Our Standard Terms And Conditions



Member Since 1961
Approved by
ASTM E 1363-88
Standard Test Method for
Soil Sampling

Member Since 1961
Approved by
ASTM E 1363-88
Standard Test Method for
Soil Sampling



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

LLI Sample No. SW 1290741

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/16/88
Date Submitted 7/29/88
Discard Date 9/16/88
Collected by AL
P.O. 87C2839A
Rel.

TARP-1

Philadelphia Coke TP-1 (CD-8.5')(A-3')(AB-7)(BC-6)
(C-10) Composite Soil Sample
Collected on 07/27/88 at 1430 by AL

ANALYSIS

Moisture

RESULT
AS RECEIVED

31.4 % by wt.

LIMIT OF
DETECTION

0.1

LAB CODE

011101650S

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.

Reactivity

see below

112106000S

Reactivity:

The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.

Sulfide (Reactivity)

< 50.

mg/kg

50.

112202250S

Cyanide (Reactivity)

< 100.

mg/kg

100.

112302250S

Acid Extractables (Soils)

attached

119825500S

Base Neutrals (Soils)

attached

119943500S

Base Neutrals cont (Soils)

attached

120000000S

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ATTN: Vinay Ghanekar

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03464 90.00 090150



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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

LLI Sample No. SW 1290741

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/16/88
Date Submitted 7/29/88
Discard Date 9/16/88
Collected by AL
P.O. 87C2839A
Rel.

TARP-1
Philadelphia Coke TP-1 (CD-8.5')(A-3')(AB-7)(BC-6)
(C-10) Composite Soil Sample
Collected on 07/27/88 at 1430 by AL

Acid Extractables (Soils)	RESULT AS RECEIVED	UNIT	LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.33	mg/kg	0.33	118600000S
phenol	< 0.33	mg/kg	0.33	118500000S
2-nitrophenol	< 0.33	mg/kg	0.33	065100000S
2,4-dimethylphenol	< 0.33	mg/kg	0.33	064800000S
2,4-dichlorophenol	< 0.33	mg/kg	0.33	064700000S
4-chloro-3-methylphenol	< 0.33	mg/kg	0.33	119000000S
2,4,6-trichlorophenol	< 0.33	mg/kg	0.33	065600000S
2,4-dinitrophenol	< 0.833	mg/kg	0.833	065000000S
4-nitrophenol	< 0.833	mg/kg	0.833	119200000S
2-methyl-4,6-dinitrophenol	< 0.833	mg/kg	0.833	064900000S
pentachlorophenol	< 0.833	mg/kg	0.833	119400000S

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ATTN: Vinay Ghanekar

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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Accreditation
Biological & Environmental
Fields of Testing



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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

125 West Holland Pike, Lancaster, PA 17601-2000

LLI Sample No. SW 1290741

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/16/88
Date Submitted 7/29/88
Discard Date 9/16/88
Collected by AL
P.O. 87C2839A
Rel.

TARP-1
Philadelphia Coke TP-1 (CD-8.5')(A-3')(AB-7)(BC-6)
(C-10) Composite Soil Sample
Collected on 07/27/88 at 1430 by AL

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	069700000S
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	066700000S
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	067700000S
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	118700000S
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	067600000S
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	066800000S
hexachloroethane	< 0.33	mg/kg	0.33	069200000S
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	118800000S
nitrobenzene	< 0.33	mg/kg	0.33	069600000S
isophorone	< 0.33	mg/kg	0.33	069400000S
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	066600000S
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	118900000S
naphthalene	1.50	mg/kg	0.33	069500000S
hexachlorobutadiene	< 0.33	mg/kg	0.33	069000000S
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	069100000S
2-chloronaphthalene	< 0.33	mg/kg	0.33	067200000S
acenaphthylene	0.57	mg/kg	0.33	065800000S
dimethyl phthalate	< 0.33	mg/kg	0.33	068100000S
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	068400000S
acenaphthene	< 0.33	mg/kg	0.33	119100000S
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	119300000S
fluorene	1.13	mg/kg	0.33	068800000S
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	067300000S
diethyl phthalate	< 0.33	mg/kg	0.33	068000000S
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	068600000S
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	069900000S
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	067000000S
hexachlorobenzene	< 0.33	mg/kg	0.33	068900000S
phenanthrene	6.67	mg/kg	0.33	070000000S

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Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

LLI Sample No. SW 1290741

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/16/88
Date Submitted 7/29/88
Discard Date 9/16/88
Collected by AL
P.O. 87C2839A
Rel.

TARP-1
Philadelphia Coke TP-1 (CD-8.5')(A-3')(AB-7)(BC-6)
(C-10) Composite Soil Sample
Collected on 07/27/88 at 1430 by AL

Base Neutrals cont (Soils)	RESULT AS RECEIVED	UNIT	LIMIT OF DETECTION	LAB. CODE
anthracene	1.60	mg/kg	0.33	065900000S
di-n-butyl phthalate	< 0.33	mg/kg	0.33	068200000S
fluoranthene	7.67	mg/kg	0.33	068700000S
pyrene	6.67	mg/kg	0.33	119500000S
benzidine	< 0.833	mg/kg	0.33	066000000S
butyl benzyl phthalate	< 0.33	mg/kg	0.833	066000000S
benzo (a) anthracene	3.07	mg/kg	0.33	067100000S
chrysene	4.00	mg/kg	0.33	066100000S
3,3'-dichlorobenzidine	< 0.833	mg/kg	0.33	067400000S
bis (2-ethylhexyl) phthalate	< 0.33	mg/kg	0.833	067900000S
di-n-octyl phthalate	< 0.33	mg/kg	0.33	066900000S
benzo (b) fluoranthene	4.00	mg/kg	0.33	068500000S
benzo (K) fluoranthene	< 0.33	mg/kg	0.33	066300000S
benzo (a) pyrene	2.40	mg/kg	0.33	066500000S
indeno (1,2,3-cd) pyrene	1.77	mg/kg	0.33	066200000S
dibenzo (a,h) anthracene	< 0.33	mg/kg	0.33	069300000S
benzo (ghi) perylene	1.93	mg/kg	0.33	067500000S
			0.33	066400000S

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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ANALYSIS REPORT

Lancaster Laboratories

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LLI Sample No. TL 1290742

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/16/88
Date Submitted 7/29/88
Discard Date 9/16/88
Collected by AL
P.O. 87C2839A
Rel.

TARP-1
EP Toxicity Leachate Of Philadelphia Coke TP-1
(CD-8.5')(A-3')(AB-7)(BC-6')(C-10') Composite Soil
Collected on 07/27/88 at 1430 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	< 0.05 mg/l	0.05	024503750S
Barium	< 0.1 mg/l	0.1	024601950S
Cadmium	0.008 mg/l	0.005	024901950S
Chromium	< 0.05 mg/l	0.05	025101950S
Lead	0.06 mg/l	0.05	025501950S
Mercury	< 0.0005 mg/l	0.0005	025903750S
Selenium	< 0.02 mg/l	0.02	026403750S
Silver	< 0.01 mg/l	0.01	026601950S

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127. A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0, Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4, Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

03464 225.00 043500

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

New Holland, Pa.

8/16/88

Lab Sample No. SW-1290741

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/16/88
Date Submitted 7/29/88
Discard Date 9/16/88
Collected by AL
P.O. 87C2839A
Rel.

TARD-1
Philadelphia Coke TP-1 (CD-8.5')(A-3')(AB-7)(BC-6)
(C-10) Composite Soil Sample
Collected on 07/27/88 at 1430 by AL

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB CODE
119800000S
119900000S
120000000S

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

5120 Butler Pike, Lancaster, PA 17602

LLI Sample No. SW 1290741

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/16/88
Date Submitted 7/29/88
Discard Date 9/16/88
Collected by AL
P.O. 87C2839A
Rel.

^{TARP-1}
Philadelphia Coke TP-1 (CD-8.5')(A-3')(AB-7)(BC-6)
(C-10) Composite Soil Sample
Collected on 07/27/88 at 1430 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Acid Extractables (Soils)				
2-chlorophenol	< 0.50	mg/kg	0.5	118600000S
phenol	< 0.50	mg/kg	0.5	118500000S
2-nitrophenol	< 0.50	mg/kg	0.5	065100000S
2,4-dimethylphenol	< 0.50	mg/kg	0.5	064800000S
2,4-dichlorophenol	< 0.50	mg/kg	0.5	064700000S
4-chloro-3-methylphenol	< 0.50	mg/kg	0.5	119000000S
2,4,6-trichlorophenol	< 0.50	mg/kg	0.5	065600000S
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000S
4-nitrophenol	< 1.0	mg/kg	1.	119200000S
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000S
pentachlorophenol	< 1.0	mg/kg	1.	119400000S

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Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

LLI Sample No. SW 1290741

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/16/88
Date Submitted 7/29/88
Discard Date 9/16/88
Collected by AL
P.O. 87C2839A
Rel.

^{TARP-1}
Philadelphia Coke TP-1 (CD-8.5')(A-3')(AB-7)(BC-6)
(C-10) Composite Soil Sample
Collected on 07/27/88 at 1430 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT.	BASIS	DETECTION	
Base Neutrals (Soils)	< 0.50	mg/kg	0.5	069700000S
N-nitrosodimethylamine	< 0.50	mg/kg	0.5	066700000S
bis (2-chloroethyl) ether	< 0.50	mg/kg	0.5	067700000S
1,3-dichlorobenzene	< 0.50	mg/kg	0.5	118700000S
1,4-dichlorobenzene	< 0.50	mg/kg	0.5	067600000S
1,2-dichlorobenzene	< 0.50	mg/kg	0.5	066800000S
bis (2-chloroisopropyl) ether	< 0.50	mg/kg	0.5	069200000S
hexachloroethane	< 0.50	mg/kg	0.5	118800000S
N-nitrosodi-n-propylamine	< 0.50	mg/kg	0.5	069600000S
nitrobenzene	< 0.50	mg/kg	0.5	069400000S
isophorone	< 0.50	mg/kg	0.5	066600000S
bis (2-chloroethoxy) methane	< 0.50	mg/kg	0.5	118900000S
1,2,4-trichlorobenzene	< 0.50	mg/kg	0.5	069500000S
naphthalene	2.19	mg/kg	0.5	069000000S
hexachlorobutadiene	< 0.50	mg/kg	0.5	069100000
hexachlorocyclopentadiene	< 0.50	mg/kg	0.5	067200000
2-chloronaphthalene	< 0.50	mg/kg	0.5	065800000S
acenaphthylene	0.83	mg/kg	0.5	068100000S
dimethyl phthalate	< 0.50	mg/kg	0.5	068400000S
2,6-dinitrotoluene	< 0.50	mg/kg	0.5	119100000S
acenaphthene	< 0.50	mg/kg	0.5	119300000S
2,4-dinitrotoluene	< 0.50	mg/kg	0.5	068800000S
fluorene	1.65	mg/kg	0.5	067300000S
4-chlorophenyl phenyl ether	< 0.50	mg/kg	0.5	068000000S
diethyl phthalate	< 0.50	mg/kg	0.5	068600000S
1,2-diphenylhydrazine	< 0.50	mg/kg	0.5	069900000S
N-nitrosodiphenylamine	< 0.50	mg/kg	0.5	067000000S
4-bromophenyl phenyl ether	< 0.50	mg/kg	0.5	068900000S
hexachlorobenzene	< 0.50	mg/kg	0.5	070000000S
phenanthrene	9.72	mg/kg	0.5	

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Holland Pike, Lancaster, PA 17602

WK1877 0 2 2

III Sample No. SU 1290741

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/16/88
Date Submitted 7/29/88
Discard Date 9/16/88
Collected by AL
P.O. 87C2839A
Rel.

TAP-1
Philadelphia Coke TP-1 (CD-8.5')(A-3')(AB-7)(BC-6)
(C-10) Composite Soil Sample
Collected on 07/27/88 at 1430 by AL

	RESULT		LIMIT OF	LAB CODE
Base Neutrals cont (Soils)	DRY WT. BASIS		DETECTION	
anthracene	2.33	mg/kg	0.5	065900000S
di-n-butyl phthalate	< 0.50	mg/kg	0.5	068200000S
fluoranthene	11.2	mg/kg	0.5	068700000S
pyrene	9.72	mg/kg	0.5	119500000S
benzidine	< 1.0	mg/kg	1.	066000000S
butyl benzyl phthalate	< 0.50	mg/kg	0.5	067100000S
benzo (a) anthracene	4.48	mg/kg	0.5	066100000S
chrysene	5.83	mg/kg	0.5	067400000S
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.	067900000S
bis (2-ethylhexyl) phthalate	< 0.50	mg/kg	0.5	066900000S
di-n-octyl phthalate	< 0.50	mg/kg	0.5	068500000S
benzo (b) fluoranthene	5.83	mg/kg	0.5	066300000S
benzo (K) fluoranthene	< 0.50	mg/kg	0.5	066500000S
benzo (a) pyrene	3.50	mg/kg	0.5	066200000S
indeno (1,2,3-cd) pyrene	2.58	mg/kg	0.5	069300000S
dibenzo (a,h) anthracene	< 0.50	mg/kg	0.5	067500000S
benzo (ghi) perylene	2.81	mg/kg	0.5	066400000S

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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Richard S. Rodgers, B.S.
Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SV 1304714

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 1-5 Composite Soil
Collected on 09/07/88 at 0800 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Moisture "Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.	12.4 % by wt.	0.1	011101650S
Reactivity Reactivity:	see below		112106000S
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.			
Sulfide (Reactivity)	< 50. mg/kg	50.	112202250S
Cyanide (Reactivity)	< 100. mg/kg	100.	112302250S
Acid Extractables (Soils)	attached		11982550S
Base Neutrals (Soils)	attached		119943500S
Base Neutrals cont (Soils)	attached		120000000S

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ATTN: Vinay Ghanekar
ATTN: Jim Husled

03464 90.00 090150

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Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5884 (717) 856-2301

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1304714

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 1-5 Composite Soil
Collected on 09/07/88 at 0800 by AL

Acid Extractables (Soils)	RESULT		LIMIT OF DETECTION	LAB CODE
	AS RECEIVED			
2-chlorophenol	< 3.3	mg/kg	3.3	118600000S
phenol	< 3.3	mg/kg	3.3	118500000S
2-nitrophenol	< 3.3	mg/kg	3.3	065100000S
2,4-dimethylphenol	< 3.3	mg/kg	3.3	064800000S
2,4-dichlorophenol	< 3.3	mg/kg	3.3	064700000S
4-chloro-3-methylphenol	< 3.3	mg/kg	3.3	119000000S
2,4,6-trichlorophenol	< 3.3	mg/kg	3.3	065600000S
2,4-dinitrophenol	< 8.33	mg/kg	8.33	065000000S
4-nitrophenol	< 8.33	mg/kg	8.33	119200000S
2-methyl-4,6-dinitrophenol	< 8.33	mg/kg	8.33	064900000S
pentachlorophenol	< 8.33	mg/kg	8.33	119400000S

The usual reporting limits could not be attained due to the matrix of the sample or interferences observed in the GC/MS analysis.

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Lancaster Laboratories, Inc.
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Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

LLI Sample No. SW 1304714

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company, SP 1-5 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 3.3	mg/kg	3.3	069700000S
bis (2-chloroethyl) ether	< 3.3	mg/kg	3.3	066700000S
1,3-dichlorobenzene	< 3.3	mg/kg	3.3	067700000S
1,4-dichlorobenzene	< 3.3	mg/kg	3.3	118700000S
1,2-dichlorobenzene	< 3.3	mg/kg	3.3	067600000S
bis (2-chloroisopropyl) ether	< 3.3	mg/kg	3.3	066800000S
hexachloroethane	< 3.3	mg/kg	3.3	069200000S
N-nitrosodi-n-propylamine	< 3.3	mg/kg	3.3	118800000S
nitrobenzene	< 3.3	mg/kg	3.3	069600000S
isophorone	< 3.3	mg/kg	3.3	069400000S
bis (2-chloroethoxy) methane	< 3.3	mg/kg	3.3	066600000S
1,2,4-trichlorobenzene	< 3.3	mg/kg	3.3	118900000S
naphthalene	26.7	mg/kg	3.3	069500000S
hexachlorobutadiene	< 3.3	mg/kg	3.3	069000000S
hexachlorocyclopentadiene	< 3.3	mg/kg	3.3	069100000S
2-chloronaphthalene	< 3.3	mg/kg	3.3	067200000S
acenaphthylene	< 3.3	mg/kg	3.3	065800000S
dimethyl phthalate	< 3.3	mg/kg	3.3	068100000S
2,6-dinitrotoluene	< 3.3	mg/kg	3.3	068400000S
acenaphthene	< 3.3	mg/kg	3.3	119100000S
2,4-dinitrotoluene	< 3.3	mg/kg	3.3	119300000S
fluorene	< 3.3	mg/kg	3.3	068800000S
4-chlorophenyl phenyl ether	< 3.3	mg/kg	3.3	067300000S
diethyl phthalate	< 3.3	mg/kg	3.3	068000000S
1,2-diphenylhydrazine	< 3.3	mg/kg	3.3	068600000S
N-nitrosodiphenylamine	< 3.3	mg/kg	3.3	069900000S
4-bromophenyl phenyl ether	< 3.3	mg/kg	3.3	067000000S
hexachlorobenzene	< 3.3	mg/kg	3.3	068900000S
phenanthrene	8.0	mg/kg	3.3	070000000S

2 COPIES TO Woodward Clyde Consultants
1 COPY TO Philadelphia Coke Company

ATTN: Vinay Ghanekar
ATTN: Jim Husled

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5884 (717) 392-3001

LLI Sample No. SW 1304714

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 1-5 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
Base Neutrals cont (Soils)				
anthracene	< 3.3	mg/kg	3.3	065900000S
di-n-butyl phthalate	< 3.3	mg/kg	3.3	068200000S
fluoranthene	8.0	mg/kg	3.3	068700000S
pyrene	7.7	mg/kg	3.3	119500000S
benzidine	< 8.33	mg/kg	8.33	066000000S
butyl benzyl phthalate	< 3.3	mg/kg	3.3	067100000S
benzo (a) anthracene	4.3	mg/kg	3.3	066100000S
chrysene	5.7	mg/kg	3.3	067400000S
3,3'-dichlorobenzidine	< 8.33	mg/kg	8.33	067900000S
bis (2-ethylhexyl) phthalate	< 3.3	mg/kg	3.3	066900000S
di-n-octyl phthalate	< 3.3	mg/kg	3.3	068500000S
benzo (b) fluoranthene	6.0	mg/kg	3.3	066300000S
benzo (K) fluoranthene	< 3.3	mg/kg	3.3	066500000S
benzo (a) pyrene	< 3.3	mg/kg	3.3	066200000S
indeno (1,2,3-cd) pyrene	< 3.3	mg/kg	3.3	069300000S
dibenzo (a,h) anthracene	< 3.3	mg/kg	3.3	067500000S
benzo (ghi) perylene	< 3.3	mg/kg	3.3	066400000S

The usual reporting limits could not be attained due to the matrix of the sample or interferences observed in the GC/MS analysis.

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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Richard S. Rodgers, B.S.
Group Leader, GC/MS

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

425 New Holland Pike, Lancaster, PA 17601-5884 (717) 658-2501

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. TL 1304715

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

EP Toxicity Leachate of Philadelphia Coke Company
SP 1-5 Composite Soil Sample
Collected on 09/07/88 at 0800 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	< 0.05 mg/l	0.05	024503750S
Barium	< 0.1 mg/l	0.1	024601950S
Cadmium	< 0.005 mg/l	0.005	024901950S
Chromium	< 0.05 mg/l	0.05	025101950S
Lead	0.10 mg/l	0.05	025501950S
Mercury	< 0.0005 mg/l	0.0005	025903750S
Selenium	< 0.02 mg/l	0.02	026403750S
Silver	< 0.01 mg/l	0.01	026601950S

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0,
Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4,
Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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ATTN: Jim Husled

03464 225.00 043500

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Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5806 (717) 652-2221

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Philadelphia Coke Company SP 1-5 Composite Soil
Collected on 09/07/88 at 0800 by AL

LLI Sample No. SW 1304714

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB CODE
119825500S
119943500S
120000000S

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Lancaster Laboratories, Inc.
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Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

1000 Pine Hallow Pike, Lancaster, PA 17602

LLI Sample No. SW 1304714

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 1-5 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Acid Extractables (Soils)				
2-chlorophenol	< 4.0	mg/kg	4.	118600000S
phenol	< 4.0	mg/kg	4.	118500000S
2-nitrophenol	< 4.0	mg/kg	4.	065100000S
2,4-dimethylphenol	< 4.0	mg/kg	4.	064800000S
2,4-dichlorophenol	< 4.0	mg/kg	4.	064700000S
4-chloro-3-methylphenol	< 4.0	mg/kg	4.	119000000S
2,4,6-trichlorophenol	< 4.0	mg/kg	4.	065600000S
2,4-dinitrophenol	< 10.	mg/kg	10.	065000000S
4-nitrophenol	< 10.	mg/kg	10.	119200000S
2-methyl-4,6-dinitrophenol	< 10.	mg/kg	10.	064900000S
pentachlorophenol	< 10.	mg/kg	10.	119400000S

The usual reporting limits could not be attained due to the matrix of the sample or interferences observed in the GC/MS analysis.

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ATTN: Jim Husled

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2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1304714

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 1-5 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT.	BASIS	DETECTION	
Base Neutrals (Soils)	< 4.0	mg/kg	4.	069700000S
N-nitrosodimethylamine	< 4.0	mg/kg	4.	066700000S
bis (2-chloroethyl) ether	< 4.0	mg/kg	4.	067700000S
1,3-dichlorobenzene	< 4.0	mg/kg	4.	118700000S
1,4-dichlorobenzene	< 4.0	mg/kg	4.	067600000S
1,2-dichlorobenzene	< 4.0	mg/kg	4.	066800000S
bis (2-chloroisopropyl) ether	< 4.0	mg/kg	4.	069200000S
hexachloroethane	< 4.0	mg/kg	4.	118800000S
N-nitrosodi-n-propylamine	< 4.0	mg/kg	4.	069600000S
nitrobenzene	< 4.0	mg/kg	4.	069400000S
isophorone	< 4.0	mg/kg	4.	066600000S
bis (2-chloroethoxy) methane	< 4.0	mg/kg	4.	118900000S
1,2,4-trichlorobenzene	< 4.0	mg/kg	4.	069500000S
naphthalene	30.5	mg/kg	4.	069000000S
hexachlorobutadiene	< 4.0	mg/kg	4.	069100000S
hexachlorocyclopentadiene	< 4.0	mg/kg	4.	067200000S
2-chloronaphthalene	< 4.0	mg/kg	4.	065800000S
acenaphthylene	< 4.0	mg/kg	4.	068100000S
dimethyl phthalate	< 4.0	mg/kg	4.	068400000S
2,6-dinitrotoluene	< 4.0	mg/kg	4.	119100000S
acenaphthene	< 4.0	mg/kg	4.	119300000S
2,4-dinitrotoluene	< 4.0	mg/kg	4.	068800000S
fluorene	< 4.0	mg/kg	4.	067300000S
4-chlorophenyl phenyl ether	< 4.0	mg/kg	4.	068000000S
diethyl phthalate	< 4.0	mg/kg	4.	068600000S
1,2-diphenylhydrazine	< 4.0	mg/kg	4.	069900000S
N-nitrosodiphenylamine	< 4.0	mg/kg	4.	067000000S
4-bromophenyl phenyl ether	< 4.0	mg/kg	4.	068900000S
hexachlorobenzene	< 4.0	mg/kg	4.	070000000S
phenanthrene	9.1	mg/kg	4.	

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ATTN: Vinay Ghanekar
ATTN: Jim Husled

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

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2425 New Holland Pike, Lancaster, PA 17601-5894 (717) 658-2301

LLI Sample No. SW 1304714

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company, SP 1-5 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals cont (Soils)				
anthracene	< 4.0	mg/kg	4.	065900000S
di-n-butyl phthalate	< 4.0	mg/kg	4.	068200000S
fluoranthene	9.1	mg/kg	4.	068700000S
pyrene	8.8	mg/kg	4.	119500000S
benzidine	< 10.	mg/kg	10.	066000000S
butyl benzyl phthalate	< 4.0	mg/kg	4.	067100000S
benzo (a) anthracene	4.9	mg/kg	4.	066100000S
chrysene	6.5	mg/kg	4.	067400000S
3,3'-dichlorobenzidine	< 10.	mg/kg	10.	067900000S
bis (2-ethylhexyl) phthalate	< 4.0	mg/kg	4.	066900000S
di-n-octyl phthalate	< 4.0	mg/kg	4.	068500000S
benzo (b) fluoranthene	6.8	mg/kg	4.	066300000S
benzo (K) fluoranthene	< 4.0	mg/kg	4.	066500000S
benzo (a) pyrene	< 4.0	mg/kg	4.	066200000S
indeno (1,2,3-cd) pyrene	< 4.0	mg/kg	4.	069300000S
dibenzo (a,h) anthracene	< 4.0	mg/kg	4.	067500000S
benzo (ghi) perylene	< 4.0	mg/kg	4.	066400000S

The usual reporting limits could not be attained due to the matrix of the sample or interferences observed in the GC/MS analysis.

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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ATTN: Vinay Ghanekar
ATTN: Jim Husled

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Reviewed and Approved by:

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Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Holland Pike, Lancaster, PA 17602

LLI Sample No. SW 1304716

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company, SP 6-10 Composite Soil
Collected on 09/07/88 at 0800 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Moisture	7.2 % by wt.	0.1	011101650S
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Reactivity	see below		112106000S
Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.			
Sulfide (Reactivity)	< 50. mg/kg	50.	112202250S
Cyanide (Reactivity)	< 100. mg/kg	100.	112302250S
Acid Extractables (Soils)	attached		119825500S
Base Neutrals (Soils)	attached		119943500S
Base Neutrals cont (Soils)	attached		120000000S

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ATTN: Jim Husled

03464 90.00 090150

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Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

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LLI Sample No. SW 1304716

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 6-10 Composite Soil
Collected on 09/07/88 at 0800 by AL

Acid Extractables (Soils)

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.33	mg/kg	0.33	118600000S
phenol	< 0.33	mg/kg	0.33	118500000S
2-nitrophenol	< 0.33	mg/kg	0.33	065100000S
2,4-dimethylphenol	< 0.33	mg/kg	0.33	064800000S
2,4-dichlorophenol	< 0.33	mg/kg	0.33	064700000S
4-chloro-3-methylphenol	< 0.33	mg/kg	0.33	119000000S
2,4,6-trichlorophenol	< 0.33	mg/kg	0.33	065600000S
2,4-dinitrophenol	< 0.833	mg/kg	0.833	065000000S
4-nitrophenol	< 0.833	mg/kg	0.833	119200000S
2-methyl-4,6-dinitrophenol	< 0.833	mg/kg	0.833	064900000S
pentachlorophenol	< 0.833	mg/kg	0.833	119400000S

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1304716

Philadelphia Coke Company SP 6-10 Composite Soil
Collected on 09/07/88 at 0800 by AL

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 37C2839A
Rel.

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals (Soils)	< 0.33	mg/kg	0.33	069700000S
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	066700000S
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	067700000S
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	118700000S
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	067600000S
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	066800000S
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	069200000S
hexachloroethane	< 0.33	mg/kg	0.33	118800000S
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	069600000S
nitrobenzene	< 0.33	mg/kg	0.33	069400000S
isophorone	< 0.33	mg/kg	0.33	066600000S
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	118900000S
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	069500000S
naphthalene	< 0.33	mg/kg	0.33	069000000S
hexachlorobutadiene	< 0.33	mg/kg	0.33	069100000S
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	067200000S
2-chloronaphthalene	< 0.33	mg/kg	0.33	065800000S
acenaphthylene	< 0.33	mg/kg	0.33	068100000S
dimethyl phthalate	< 0.33	mg/kg	0.33	068400000S
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	119100000S
acenaphthene	< 0.33	mg/kg	0.33	119300000S
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	068800000S
fluorene	< 0.33	mg/kg	0.33	067300000S
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	068000000S
diethyl phthalate	< 0.33	mg/kg	0.33	068600000S
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	069900000S
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	067000000S
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	068900000S
hexachlorobenzene	< 0.33	mg/kg	0.33	070000000S
phenanthrene	< 0.33	mg/kg	0.33	

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ATTN: Jim Busled

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

LLI Sample No. SW 1304716

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 6-10 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
Base Neutrals cont (Soils)				
anthracene	< 0.33 mg/kg		0.33	065900000S
di-n-butyl phthalate	< 0.33 mg/kg		0.33	068200000S
fluoranthene	< 0.33 mg/kg		0.33	068700000S
pyrene	< 0.33 mg/kg		0.33	119500000S
benzidine	< 0.833 mg/kg		0.33	066000000S
butyl benzyl phthalate	< 0.33 mg/kg		0.833	067100000S
benzo (a) anthracene	< 0.33 mg/kg		0.33	066100000S
chrysene	< 0.33 mg/kg		0.33	067400000S
3,3'-dichlorobenzidine	< 0.833 mg/kg		0.833	067900000S
bis (2-ethylhexyl) phthalate	< 0.33 mg/kg		0.33	066900000S
di-n-octyl phthalate	< 0.33 mg/kg		0.33	068500000S
benzo (b) fluoranthene	< 0.33 mg/kg		0.33	066300000S
benzo (K) fluoranthene	< 0.33 mg/kg		0.33	066500000S
benzo (a) pyrene	< 0.33 mg/kg		0.33	066200000S
indeno (1,2,3-cd) pyrene	< 0.33 mg/kg		0.33	069300000S
dibenzo (a,h) anthracene	< 0.33 mg/kg		0.33	067500000S
benzo (ghi) perylene	< 0.33 mg/kg		0.33	066400000S

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ANALYSIS REPORT

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2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. TL 1304717

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

EP Toxicity Leachate of Philadelphia Coke Company
SP 6-10 Composite Soil Sample
Collected on 09/07/88 at 0800 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	< 0.05 mg/l	0.05	024503750S
Barium	< 0.1 mg/l	0.1	024601950S
Cadmium	< 0.005 mg/l	0.005	024901950S
Chromium	< 0.05 mg/l	0.05	025101950S
Lead	< 0.05 mg/l	0.05	025501950S
Mercury	< 0.0005 mg/l	0.0005	025903750S
Selenium	< 0.02 mg/l	0.02	026403750S
Silver	< 0.01 mg/l	0.01	026601950S

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0,
Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4,
Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

2 COPIES TO Woodward Clyde Consultants
1 COPY TO Philadelphia Coke Company

ATTN: Vinay Ghanekar
ATTN: Jim Husled

03464 225.00 043500

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

American Association for
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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1304716

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 6-10 Composite Soil
Collected on 09/07/88 at 0800 by AL

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB CODE
119825500S
119943500S
120000000S

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ATTN: Jim Husled

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics



ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 666-2301

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1304716

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 6-10 Composite Soil
Collected on 09/07/88 at 0800 by AL

Acid Extractables (Soils)	RESULT	DRY WT. BASIS	LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.40	mg/kg	0.4	118600000S
phenol	< 0.40	mg/kg	0.4	118500000S
2-nitrophenol	< 0.40	mg/kg	0.4	065100000S
2,4-dimethylphenol	< 0.40	mg/kg	0.4	064800000S
2,4-dichlorophenol	< 0.40	mg/kg	0.4	064700000S
4-chloro-3-methylphenol	< 0.40	mg/kg	0.4	119000000S
2,4,6-trichlorophenol	< 0.40	mg/kg	0.4	065600000S
2,4-dinitrophenol	< 0.90	mg/kg	0.9	065000000S
4-nitrophenol	< 0.90	mg/kg	0.9	119200000S
2-methyl-4,6-dinitrophenol	< 0.90	mg/kg	0.9	064900000S
pentachlorophenol	< 0.90	mg/kg	0.9	119400000S

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1 COPY TO Philadelphia Coke Company
ATTN: Vinay Ghanekar
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Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Butler Pike, Lancaster, PA 17603

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1304716

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 6-10 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT	LIMIT OF	LAB CODE
	DRY WT. BASIS	DETECTION	
Base Neutrals (Soils)	< 0.40	0.4	069700000S
N-nitrosodimethylamine	< 0.40	0.4	066700000S
bis (2-chloroethyl) ether	< 0.40	0.4	067700000S
1,3-dichlorobenzene	< 0.40	0.4	118700000S
1,4-dichlorobenzene	< 0.40	0.4	067600000S
1,2-dichlorobenzene	< 0.40	0.4	066800000S
bis (2-chloroisopropyl) ether	< 0.40	0.4	069200000S
hexachloroethane	< 0.40	0.4	118800000S
N-nitrosodi-n-propylamine	< 0.40	0.4	069600000S
nitrobenzene	< 0.40	0.4	069400000S
isophorone	< 0.40	0.4	066600000S
bis (2-chloroethoxy) methane	< 0.40	0.4	118900000S
1,2,4-trichlorobenzene	< 0.40	0.4	069500000S
naphthalene	< 0.40	0.4	069000000
hexachlorobutadiene	< 0.40	0.4	069100000S
hexachlorocyclopentadiene	< 0.40	0.4	067200000S
2-chloronaphthalene	< 0.40	0.4	065800000S
acenaphthylene	< 0.40	0.4	068100000S
dimethyl phthalate	< 0.40	0.4	068400000S
2,6-dinitrotoluene	< 0.40	0.4	119100000S
acenaphthene	< 0.40	0.4	119300000S
2,4-dinitrotoluene	< 0.40	0.4	068800000S
fluorene	< 0.40	0.4	067300000S
4-chlorophenyl phenyl ether	< 0.40	0.4	068000000S
diethyl phthalate	< 0.40	0.4	068600000S
1,2-diphenylhydrazine	< 0.40	0.4	069900000S
N-nitrosodiphenylamine	< 0.40	0.4	067000000S
4-bromophenyl phenyl ether	< 0.40	0.4	068900000S
hexachlorobenzene	< 0.40	0.4	070000000S
phenanthrene	< 0.40	0.4	

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1 COPY TO Philadelphia Coke Company

ATTN: Vinay Ghanekar
ATTN: Jim Husled

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

LLI Sample No. SW 1304716

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 6-10 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT		LIMIT OF	LAB. CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals cont (Soils)				
anthracene	< 0.40	mg/kg	0.4	065900000S
di-n-butyl phthalate	< 0.40	mg/kg	0.4	068200000S
fluoranthene	< 0.40	mg/kg	0.4	068700000S
pyrene	< 0.40	mg/kg	0.4	119500000S
benzidine	< 0.90	mg/kg	0.9	066000000S
butyl benzyl phthalate	< 0.40	mg/kg	0.4	067100000S
benzo (a) anthracene	< 0.40	mg/kg	0.4	066100000S
chrysene	< 0.40	mg/kg	0.4	067400000S
3,3'-dichlorobenzidine	< 0.90	mg/kg	0.9	067900000S
bis (2-ethylhexyl) phthalate	< 0.40	mg/kg	0.4	066900000S
di-n-octyl phthalate	< 0.40	mg/kg	0.4	068500000S
benzo (b) fluoranthene	< 0.40	mg/kg	0.4	066300000S
benzo (K) fluoranthene	< 0.40	mg/kg	0.4	066500000S
benzo (a) pyrene	< 0.40	mg/kg	0.4	066200000S
indeno (1,2,3-cd) pyrene	< 0.40	mg/kg	0.4	069300000S
dibenzo (a,h) anthracene	< 0.40	mg/kg	0.4	067500000S
benzo (ghi) perylene	< 0.40	mg/kg	0.4	066400000S

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Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2405 New Holland Pike, Lancaster, PA 17601

Sample No. SW 1304718

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/13/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 11-15 Composite Soil
Collected on 09/07/88 at 0800 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Moisture "Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.	13.4 % by wt.	0.1	01110165
Reactivity Reactivity:	see below		1121060C
The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 300 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.			
Sulfide (Reactivity)	< 50. mg/kg	50.	11220225
Cyanide (Reactivity)	< 100. mg/kg	100.	11230225
Acid Extractables (Soils)	attached		119. 30
Base Neutrals (Soils)	attached		119. 30
Base Neutrals cont (Soils)	attached		12000000

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ATTN: Jim Husled

03464 90.00 090150

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Lancaster Laboratories, Inc.
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Timothy S. Dostdyk, B.A.
Group Leader, Inorganics

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ANALYSIS REPORT

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425 New Holland Pike, Lancaster, PA 17601-5904 (717) 399-1000

LLI Sample No. SW 1304718

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 11-15 Composite Soil
Collected on 09/07/88 at 0800 by AL

Acid Extractables (Soils)	RESULT AS RECEIVED	UNIT	LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.33	mg/kg	0.33	118600000S
phenol	< 0.33	mg/kg	0.33	118500000S
2-nitrophenol	< 0.33	mg/kg	0.33	065100000S
2,4-dimethylphenol	< 0.33	mg/kg	0.33	064800000S
2,4-dichlorophenol	< 0.33	mg/kg	0.33	064700000S
4-chloro-3-methylphenol	< 0.33	mg/kg	0.33	119000000S
2,4,6-trichlorophenol	< 0.33	mg/kg	0.33	065600000S
2,4-dinitrophenol	< 0.833	mg/kg	0.833	065000000S
4-nitrophenol	< 0.833	mg/kg	0.833	119200000S
2-methyl-4,6-dinitrophenol	< 0.833	mg/kg	0.833	064900000S
pentachlorophenol	< 0.833	mg/kg	0.833	119400000S

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

LLI Sample No. SW 1304718

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company, SP 11-15, Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	069700000S
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	066700000S
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	067700000S
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	118700000S
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	067600000S
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	066800000S
hexachloroethane	< 0.33	mg/kg	0.33	069200000S
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	118800000S
nitrobenzene	< 0.33	mg/kg	0.33	069600000S
isophorone	< 0.33	mg/kg	0.33	069400000S
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	066600000S
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	118900000S
naphthalene	0.47	mg/kg	0.33	069500000S
hexachlorobutadiene	< 0.33	mg/kg	0.33	06900000
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	069100000S
2-chloronaphthalene	< 0.33	mg/kg	0.33	067200000S
acenaphthylene	< 0.33	mg/kg	0.33	065800000S
dimethyl phthalate	< 0.33	mg/kg	0.33	068100000S
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	068400000S
acenaphthene	< 0.33	mg/kg	0.33	119100000S
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	119300000S
fluorene	< 0.33	mg/kg	0.33	068800000S
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	067300000S
diethyl phthalate	< 0.33	mg/kg	0.33	068000000S
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	068600000S
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	069900000S
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	067000000S
hexachlorobenzene	< 0.33	mg/kg	0.33	068900000S
phenanthrene	0.93	mg/kg	0.33	070000000S

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1 COPY TO Philadelphia Coke Company

ATTN: Vinay Ghanekar
ATTN: Jim Husled

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

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425 New Holland Pike, Lancaster, PA 17601-5994 (717) 658-2301

LLI Sample No. SW 1304718

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 11-15 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
Base Neutrals cont (Soils)				
anthracene	< 0.33 mg/kg		0.33	065900000S
di-n-butyl phthalate	< 0.33 mg/kg		0.33	068200000S
fluoranthene	1.27 mg/kg		0.33	068700000S
pyrene	2.17 mg/kg		0.33	119500000S
benzidine	< 0.833 mg/kg		0.833	066000000S
butyl benzyl phthalate	< 0.33 mg/kg		0.33	067100000S
benzo (a) anthracene	0.93 mg/kg		0.33	066100000S
chryse..e	1.43 mg/kg		0.33	067400000S
3,3'-dichlorobenzidine	< 0.833 mg/kg		0.833	067900000S
bis (2-ethylhexyl) phthalate	< 0.33 mg/kg		0.33	066900000S
di-n-octyl phthalate	< 0.33 mg/kg		0.33	068500000S
benzo (b) fluoranthene	1.40 mg/kg		0.33	066300000S
benzo (K) fluoranthene	< 0.33 mg/kg		0.33	066500000S
benzo (a) pyrene	0.70 mg/kg		0.33	066200000S
indeno (1,2,3-cd) pyrene	0.43 mg/kg		0.33	069300000S
dibenzo (a,h) anthracene	< 0.33 mg/kg		0.33	067500000S
benzo (ghi) perylene	0.43 mg/kg		0.33	066400000S

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. TL 1204719

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

EP Toxicity Leachate of Philadelphia Coke Company
SP 11-15 Composite Soil Sample
Collected on 09/07/88 at 0800 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	< 0.05 mg/l	0.05	024503750S
Barium	0.2 mg/l	0.1	024601950S
Cadmium	< 0.005 mg/l	0.005	024901950S
Chromium	< 0.05 mg/l	0.05	025101950S
Lead	< 0.05 mg/l	0.05	025501950S
Mercury	< 0.0005 mg/l	0.0005	025903750S
Selenium	< 0.02 mg/l	0.02	026403750S
Silver	< 0.01 mg/l	0.01	026601950S

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0,
Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4,
Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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1 COPY TO Philadelphia Coke Company

ATTN: Vinay Ghanekar
ATTN: Jim Busled

03464 225.00 043500

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5904 (717) 688-2301

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Philadelphia Coke Company SP 11-15 Composite Soil
Collected on 09/07/88 at 0800 by AL

LLI Sample No. SW 1304718

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB CODE
119825500S
119943500S
120000000S

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1 COPY TO Philadelphia Coke Company

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Group Leader, Inorganics



ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

LLI Sample No. SW 1304718

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 11-15 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Acid Extractables (Soils)				
2-chlorophenol	< 0.40	mg/kg	0.4	118600000S
phenol	< 0.40	mg/kg	0.4	118500000S
2-nitrophenol	< 0.40	mg/kg	0.4	065100000S
2,4-dimethylphenol	< 0.40	mg/kg	0.4	064800000S
2,4-dichlorophenol	< 0.40	mg/kg	0.4	064700000S
4-chloro-3-methylphenol	< 0.40	mg/kg	0.4	119000000S
2,4,6-trichlorophenol	< 0.40	mg/kg	0.4	065600000S
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000S
4-nitrophenol	< 1.0	mg/kg	1.	119200000S
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000S
pentachlorophenol	< 1.0	mg/kg	1.	119400000S

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Chemical, Biological & Environmental
Fields of Testing



See Reverse Side For Explanation
Of Symbols And Abbreviations And
Our Standard Terms And Conditions

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

Member American Council of
Independent Laboratories, Inc.



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

125 New Holland Pike, Lancaster, PA 17601-5984 (717) 399-1001

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg.; PA 19462-1202

LLI Sample No. SV 1304718

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 11-15 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals (Soils)	< 0.40	mg/kg	0.4	069700000S
N-nitrosodimethylamine	< 0.40	mg/kg	0.4	066700000S
bis (2-chloroethyl) ether	< 0.40	mg/kg	0.4	067700000S
1,3-dichlorobenzene	< 0.40	mg/kg	0.4	118700000S
1,4-dichlorobenzene	< 0.40	mg/kg	0.4	067600000S
1,2-dichlorobenzene	< 0.40	mg/kg	0.4	066800000S
bis (2-chloroisopropyl) ether	< 0.40	mg/kg	0.4	069200000S
hexachloroethane	< 0.40	mg/kg	0.4	118800000S
N-nitrosodi-n-propylamine	< 0.40	mg/kg	0.4	069600000S
nitrobenzene	< 0.40	mg/kg	0.4	069400000S
isophorone	< 0.40	mg/kg	0.4	066600000S
bis (2-chloroethoxy) methane	< 0.40	mg/kg	0.4	118900000S
1,2,4-trichlorobenzene	< 0.40	mg/kg	0.4	069500000S
naphthalene	0.54	mg/kg	0.4	069000000S
hexachlorobutadiene	< 0.40	mg/kg	0.4	069100000S
hexachlorocyclopentadiene	< 0.40	mg/kg	0.4	067200000S
2-chloronaphthalene	< 0.40	mg/kg	0.4	065800000S
acenaphthylene	< 0.40	mg/kg	0.4	068100000S
dimethyl phthalate	< 0.40	mg/kg	0.4	068400000S
2,6-dinitrotoluene	< 0.40	mg/kg	0.4	119100000S
acenaphthene	< 0.40	mg/kg	0.4	119300000S
2,4-dinitrotoluene	< 0.40	mg/kg	0.4	068800000S
fluorene	< 0.40	mg/kg	0.4	067300000S
4-chlorophenyl phenyl ether	< 0.40	mg/kg	0.4	068000000S
diethyl phthalate	< 0.40	mg/kg	0.4	068600000S
1,2-diphenylhydrazine	< 0.40	mg/kg	0.4	069900000S
N-nitrosodiphenylamine	< 0.40	mg/kg	0.4	067000000S
4-bromophenyl phenyl ether	< 0.40	mg/kg	0.4	068900000S
hexachlorobenzene	< 0.40	mg/kg	0.4	070000000S
phenanthrene	1.07	mg/kg	0.4	

2 COPIES TO Woodward Clyde Consultants
1 COPY TO Philadelphia Coke Company

ATTN: Vinay Ghanekar
ATTN: Jim Husled

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Group Leader, GC/MS

American Association for
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Chemical, Biological & Environmental
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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

LLI Sample No. SW 1304718

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 9/15/88
Date Submitted 9/7/88
Discard Date 10/16/88
Collected by AL
P.O. 87C2839A
Rel.

Philadelphia Coke Company SP 11-15 Composite Soil
Collected on 09/07/88 at 0800 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT.	BASIS	DETECTION	
Base Neutrals cont (Soils)				
anthracene	< 0.40	mg/kg	0.4	065900000S
di-n-butyl phthalate	< 0.40	mg/kg	0.4	068200000S
fluoranthene	1.47	mg/kg	0.4	068700000S
pyrene	2.51	mg/kg	0.4	119500000S
benzidine	< 1.0	mg/kg	1.	066000000S
butyl benzyl phthalate	< 0.40	mg/kg	0.4	067100000S
benzo (a) anthracene	1.07	mg/kg	0.4	066100000S
chrysene	1.65	mg/kg	0.4	067400000S
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.	067900000S
bis (2-ethylhexyl) phthalate	< 0.40	mg/kg	0.4	066900000S
di-n-octyl phthalate	< 0.40	mg/kg	0.4	068500000S
benzo (b) fluoranthene	1.62	mg/kg	0.4	066300000S
benzo (K) fluoranthene	< 0.40	mg/kg	0.4	066500000S
benzo (a) pyrene	0.81	mg/kg	0.4	06620000
indeno (1,2,3-cd) pyrene	0.50	mg/kg	0.4	069300000S
dibenzo (a,h) anthracene	< 0.40	mg/kg	0.4	067500000S
benzo (ghi) perylene	0.50	mg/kg	0.4	066400000S

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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ANALYSIS REPORT

Lancaster Laboratories

Holland Pk., Lancaster, PA 17601

LLI Sample No. SW 1295278

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/19/88
Date Submitted 8/11/88
Discard Date 9/19/88
Collected by AB
P.O. 87C2839
Rel.

Philadelphia Coke Co./Remediation B-8/68 Composite
Soil Sample
Collected on 08/10/88 at 1200 by AB

ANALYSIS

Moisture

RESULT
AS RECEIVED

24.8 % by wt.

LIMIT OF
DETECTION

0.1

LAB CODE
011101650S

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.

Reactivity

see below

112106000S

Reactivity:

The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide.

This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.

Sulfide (Reactivity)

240.

mg/kg

50.

112202250S

Cyanide (Reactivity)

< 100.

mg/kg

100.

112302250S

Acid Extractables (Soils)

attached

119825500S

Base Neutrals (Soils)

attached

119943500S

Base Neutrals cont (Soils)

attached

120000000S

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ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

03464 90.00 090150

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Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

100 New Holland Pike, Lancaster, Pa 17301-0001

LLI Sample No. SW 1295278

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/19/88
Date Submitted 8/11/88
Discard Date 9/19/88
Collected by AB
P.O. 87C2839
Rel.

Philadelphia Coke Co./Remediation B-8/68 Composite
Soil Sample
Collected on 08/10/88 at 1200 by AB

Acid Extractables (Soils)	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 1.7	mg/kg	1.7	118600000S
phenol	< 1.7	mg/kg	1.7	118500000S
2-nitrophenol	< 1.7	mg/kg	1.7	065100000S
2,4-dimethylphenol	< 1.7	mg/kg	1.7	064800000S
2,4-dichlorophenol	< 1.7	mg/kg	1.7	064700000S
4-chloro-3-methylphenol	< 1.7	mg/kg	1.7	119000000S
2,4,6-trichlorophenol	< 1.7	mg/kg	1.7	065600000S
2,4-dinitrophenol	< 4.17	mg/kg	4.17	065000000S
4-nitrophenol	< 4.17	mg/kg	4.17	119200000S
2-methyl-4,6-dinitrophenol	< 4.17	mg/kg	4.17	064900000S
pentachlorophenol	< 4.17	mg/kg	4.17	119400000S

The reporting limit for this sample was increased due to the nature of the sample matrix.

2 COPIES TO Woodward Clyde Consultants
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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

100 New Holland Pike, Lancaster, PA 17601

11/23/88 10:30 2

LLI Sample No. SW 1295278

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/19/88
Date Submitted 8/11/88
Discard Date 9/19/88
Collected by AB
P.O. 87C2839
Rel.

Philadelphia Coke Co./Remediation B-8/68 Composite
Soil Sample
Collected on 08/10/88 at 1200 by AB

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 1.7	mg/kg	1.7	069700000S
bis (2-chloroethyl) ether	< 1.7	mg/kg	1.7	066700000S
1,3-dichlorobenzene	< 1.7	mg/kg	1.7	067700000S
1,4-dichlorobenzene	< 1.7	mg/kg	1.7	118700000S
1,2-dichlorobenzene	< 1.7	mg/kg	1.7	067600000S
bis (2-chloroisopropyl) ether	< 1.7	mg/kg	1.7	066800000S
hexachloroethane	< 1.7	mg/kg	1.7	069200000S
N-nitrosodi-n-propylamine	< 1.7	mg/kg	1.7	118800000S
nitrobenzene	< 1.7	mg/kg	1.7	069600000S
isophorone	< 1.7	mg/kg	1.7	069400000S
bis (2-chloroethoxy) methane	< 1.7	mg/kg	1.7	066600000S
1,2,4-trichlorobenzene	< 1.7	mg/kg	1.7	118900000S
naphthalene	10.7	mg/kg	1.7	069500000S
hexachlorobutadiene	< 1.7	mg/kg	1.7	069000000S
hexachlorocyclopentadiene	< 1.7	mg/kg	1.7	069100000S
2-chloronaphthalene	< 1.7	mg/kg	1.7	067200000S
acenaphthylene	< 1.7	mg/kg	1.7	065800000S
dimethyl phthalate	< 1.7	mg/kg	1.7	068100000S
2,6-dinitrotoluene	< 1.7	mg/kg	1.7	068400000S
acenaphthene	< 1.7	mg/kg	1.7	119100000S
2,4-dinitrotoluene	< 1.7	mg/kg	1.7	119300000S
fluorene	< 1.7	mg/kg	1.7	068800000S
4-chlorophenyl phenyl ether	< 1.7	mg/kg	1.7	067300000S
diethyl phthalate	< 1.7	mg/kg	1.7	068000000S
1,2-diphenylhydrazine	< 1.7	mg/kg	1.7	068600000S
N-nitrosodiphenylamine	< 1.7	mg/kg	1.7	069900000S
4-bromophenyl phenyl ether	< 1.7	mg/kg	1.7	067000000S
hexachlorobenzene	< 1.7	mg/kg	1.7	068900000S
phenanthrene	3.0	mg/kg	1.7	070000000S

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1 COPY TO Philadelphia Coke Co.

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ATTN: Attn: Jim Husted

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

PK0826 0 3 2

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1295278

Date Reported 8/19/88
Date Submitted 8/11/88
Discard Date 9/19/88
Collected by AB
P.O. 87C2839
Rel.

Philadelphia Coke Co./Remediation B-8/68 Composite
Soil Sample
Collected on 08/10/88 at 1200 by AB

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
Base Neutrals cont (Soils)				
anthracene	< 1.7	mg/kg	1.7	065900000S
di-n-butyl phthalate	< 1.7	mg/kg	1.7	068200000S
fluoranthene	2.17	mg/kg	0.33	068700000S
pyrene	2.17	mg/kg	0.33	119500000S
benzidine	< 4.17	mg/kg	4.17	066000000S
butyl benzyl phthalate	< 1.7	mg/kg	1.7	067100000S
benzo (a) anthracene	< 1.7	mg/kg	1.7	066100000S
chrysene	< 1.7	mg/kg	1.7	067400000S
3,3'-dichlorobenzidine	< 4.17	mg/kg	4.17	067900000S
bis (2-ethylhexyl) phthalate	< 1.7	mg/kg	1.7	066900000S
di-n-octyl phthalate	< 1.7	mg/kg	1.7	068500000S
benzo (b) fluoranthene	< 1.7	mg/kg	1.7	066300000S
benzo (K) fluoranthene	< 1.7	mg/kg	1.7	066500000S
benzo (a) pyrene	< 1.7	mg/kg	1.7	066200000S
indeno (1,2,3-cd) pyrene	< 1.7	mg/kg	1.7	069300000S
dibenzo (a,h) anthracene	< 1.7	mg/kg	1.7	067500000S
benzo (ghi) perylene	< 1.7	mg/kg	1.7	066400000S

The reporting limit(s) for this sample were increased due to the nature of the sample matrix.

2 COPIES TO Woodward Clyde Consultants
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Richard S. Rodgers, B.S.
Group Leader, GC/MS

Member American Society for Testing and Materials



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

225 New Holland Pike, Lancaster, PA 17601-6209

LLI Sample No. TL 1295279

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/19/88
Date Submitted 8/11/88
Discard Date 9/19/88
Collected by AB
P.O. 87C2839
Rel.

EP Toxicity Leachate of Philadelphia Coke Co.
Remediation B-8/68 Composite Soil Sample
Collected on 08/10/88 at 1200 by AB

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	< 0.05 mg/l	0.05	024503750S
Barium	0.2 mg/l	0.1	024601950S
Cadmium	< 0.005 mg/l	0.005	024901950S
Chromium	< 0.05 mg/l	0.05	025101950S
Lead	< 0.05 mg/l	0.05	025501950S
Mercury	< 0.0005 mg/l	0.0005	025903750S
Selenium	< 0.02 mg/l	0.02	026403750S
Silver	< 0.01 mg/l	0.01	026601950S

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0, Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4, Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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1 COPY TO Philadelphia Coke Co.

ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

03464 225.00 043500

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Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

Woodward Pike, Lancaster, PA 17602

LLI Sample No. SW 1295278

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/19/88
Date Submitted 8/11/88
Discard Date 9/19/88
Collected by AB
P.O. 87C2839
Rel.

Philadelphia Coke Co./Remediation B-8/68 Composite
Soil Sample
Collected on 08/10/88 at 1200 by AB

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB CODE
119800000S
119900000S
120000000S

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Group Leader, Inorganics



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

25 New Holland Pike, Lancaster, PA 17602

LLI Sample No. SV 1295278

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/19/88
Date Submitted 8/11/88
Discard Date 9/19/88
Collected by AB
P.O. 87C2839
Rel.

Philadelphia Coke Co./Remediation B-8/68 Composite
Soil Sample
Collected on 08/10/88 at 1200 by AB

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Acid Extractables (Soils)				
2-chlorophenol	< 2.0	mg/kg	2.	118600000S
phenol	< 2.0	mg/kg	2.	118500000S
2-nitrophenol	< 2.0	mg/kg	2.	065100000S
2,4-dimethylphenol	< 2.0	mg/kg	2.	064800000S
2,4-dichlorophenol	< 2.0	mg/kg	2.	064700000S
4-chloro-3-methylphenol	< 2.0	mg/kg	2.	119000000S
2,4,6-trichlorophenol	< 2.0	mg/kg	2.	065600000S
2,4-dinitrophenol	< 6.0	mg/kg	6.	065000000S
4-nitrophenol	< 6.0	mg/kg	6.	119200000S
2-methyl-4,6-dinitrophenol	< 6.0	mg/kg	6.	064900000S
pentachlorophenol	< 6.0	mg/kg	6.	119400000S

The reporting limit for this sample was increased due to the nature of the sample matrix.

2 COPIES TO Woodward Clyde Consultants
1 COPY TO Philadelphia Coke Co.

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

1425 New Holland Pike, Lancaster, PA 17601-5900 (717) 658-2301

LLI Sample No. SW 1295278

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/19/88
Date Submitted 8/11/88
Discard Date 9/19/88
Collected by AB
P.O. 87C2839
Rel.

Philadelphia Coke Co./Remediation B-8/68 Composite
Soil Sample
Collected on 08/10/88 at 1200 by AB

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 2.0	mg/kg	2.	069700000S
bis (2-chloroethyl) ether	< 2.0	mg/kg	2.	066700000S
1,3-dichlorobenzene	< 2.0	mg/kg	2.	067700000S
1,4-dichlorobenzene	< 2.0	mg/kg	2.	118700000S
1,2-dichlorobenzene	< 2.0	mg/kg	2.	067600000S
bis (2-chloroisopropyl) ether	< 2.0	mg/kg	2.	066800000S
hexachloroethane	< 2.0	mg/kg	2.	069200000S
N-nitrosodi-n-propylamine	< 2.0	mg/kg	2.	118800000S
nitrobenzene	< 2.0	mg/kg	2.	069600000S
isophorone	< 2.0	mg/kg	2.	069400000S
bis (2-chloroethoxy) methane	< 2.0	mg/kg	2.	066600000S
1,2,4-trichlorobenzene	< 2.0	mg/kg	2.	118900000S
naphthalene	14.2	mg/kg	2.	069500000S
hexachlorobutadiene	< 2.0	mg/kg	2.	06900000C
hexachlorocyclopentadiene	< 2.0	mg/kg	2.	069100000S
2-chloronaphthalene	< 2.0	mg/kg	2.	067200000S
acenaphthylene	< 2.0	mg/kg	2.	065800000S
dimethyl phthalate	< 2.0	mg/kg	2.	068100000S
2,6-dinitrotoluene	< 2.0	mg/kg	2.	068400000S
acenaphthene	< 2.0	mg/kg	2.	119100000S
2,4-dinitrotoluene	< 2.0	mg/kg	2.	119300000S
fluorene	< 2.0	mg/kg	2.	068800000S
4-chlorophenyl phenyl ether	< 2.0	mg/kg	2.	067300000S
diethyl phthalate	< 2.0	mg/kg	2.	068000000S
1,2-diphenylhydrazine	< 2.0	mg/kg	2.	068600000S
N-nitrosodiphenylamine	< 2.0	mg/kg	2.	069900000S
4-bromophenyl phenyl ether	< 2.0	mg/kg	2.	067000000S
hexachlorobenzene	< 2.0	mg/kg	2.	068900000S
phenanthrene	4.0	mg/kg	2.	070000000S

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1 COPY TO Philadelphia Coke Co.

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ATTN: Attn: Jim Husted

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

23 Main Holland Pike, Lancaster, PA 17601-5000

LLI Sample No. SW 1295278

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/19/88
Date Submitted 8/11/88
Discard Date 9/19/88
Collected by AB
P.O. 87C2839
Rel.

Philadelphia Coke Co./Remediation B-8/68 Composite
Soil Sample
Collected on 08/10/88 at 1200 by AB

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals cont (Soils)				
anthracene	< 2.0	mg/kg	2.	065900000S
di-n-butyl phthalate	< 2.0	mg/kg	2.	068200000S
fluoranthene	2.89	mg/kg	0.4	068700000S
pyrene	2.89	mg/kg	0.4	119500000S
benzidine	< 6.0	mg/kg	6.	066000000S
butyl benzyl phthalate	< 2.0	mg/kg	2.	067100000S
benzo (a) anthracene	< 2.0	mg/kg	2.	066100000S
chrysene	< 2.0	mg/kg	2.	067400000S
3,3'-dichlorobenzidine	< 6.0	mg/kg	6.	067900000S
bis (2-ethylhexyl) phthalate	< 2.0	mg/kg	2.	066900000S
di-n-octyl phthalate	< 2.0	mg/kg	2.	068500000S
benzo (b) fluoranthene	< 2.0	mg/kg	2.	066300000S
benzo (K) fluoranthene	< 2.0	mg/kg	2.	066500000S
benzo (a) pyrene	< 2.0	mg/kg	2.	066200000S
indeno (1,2,3-cd) pyrene	< 2.0	mg/kg	2.	069300000S
dibenzo (a,h) anthracene	< 2.0	mg/kg	2.	067500000S
benzo (ghi) perylene	< 2.0	mg/kg	2.	066400000S

The reporting limit(s) for this sample were increased due to the nature of the sample matrix.

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1 COPY TO Philadelphia Coke Co.

ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

American Association for
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fields of testing



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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5884 (717) 658-2301

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Philadelphia Coke Co. B-4/11C Composite Soil Samp
Collected on 08/15/88 at 1200 by AL

LLI Sample No. SW 1297294

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Moisture "Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.	30.0 % by wt.	0.1	011101100
Reactivity Reactivity:	see below		112104000
<p>The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.</p>			
Sulfide (Reactivity)	< .50. mg/kg	50.	112201500
Cyanide (Reactivity)	< .100. mg/kg	100.	112301500
Acid Extractables (Soils)	attached		119817000
Base Neutrals (Soils)	attached		1199290C
Base Neutrals cont (Soils)	attached		12000000

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ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

03464 60.00 060100

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5884 (717) 656-2391

LLI Sample No. SW 1297294

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. B-4/11C Composite Soil Samp
Collected on 08/15/88 at 1200 by AL

Acid Extractables (Soils)

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.33	mg/kg	0.33	118600000N
phenol	< 0.33	mg/kg	0.33	118500000N
2-nitrophenol	< 0.33	mg/kg	0.33	065100000N
2,4-dimethylphenol	< 0.33	mg/kg	0.33	064800000N
2,4-dichlorophenol	< 0.33	mg/kg	0.33	064700000N
4-chloro-3-methylphenol	< 0.33	mg/kg	0.33	119000000N
2,4,6-trichlorophenol	< 0.33	mg/kg	0.33	065600000N
2,4-dinitrophenol	< 0.833	mg/kg	0.833	065000000N
4-nitrophenol	< 0.833	mg/kg	0.833	119200000N
2-methyl-4,6-dinitrophenol	< 0.833	mg/kg	0.833	064900000N
pentachlorophenol	< 0.833	mg/kg	0.833	119400000N

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Richard S. Rodgers, B.S.
Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

LLI Sample No. SW 1297294

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. B-4711C Composite Soil Samp
Collected on 08/15/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	069700000N
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	066700000N
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	067700000N
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	118700000N
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	067600000N
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	066800000N
hexachloroethane	< 0.33	mg/kg	0.33	069200000N
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	118800000N
nitrobenzene	< 0.33	mg/kg	0.33	069600000N
isophorone	< 0.33	mg/kg	0.33	069400000N
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	066600000N
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	118900000N
naphthalene	1.93	mg/kg	0.33	069500000N
hexachlorobutadiene	< 0.33	mg/kg	0.33	069000000N
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	06910000
2-chloronaphthalene	< 0.33	mg/kg	0.33	067200000N
acenaphthylene	< 0.33	mg/kg	0.33	065800000N
dimethyl phthalate	< 0.33	mg/kg	0.33	068100000N
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	068400000N
acenaphthene	0.97	mg/kg	0.33	119100000N
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	119300000N
fluorene	0.67	mg/kg	0.33	068800000N
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	067300000N
diethyl phthalate	< 0.33	mg/kg	0.33	068000000N
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	068600000N
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	069900000N
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	067000000N
hexachlorobenzene	< 0.33	mg/kg	0.33	068900000N
phenanthrene	2.53	mg/kg	0.33	070000000N

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2428 New Holland Pike, Lancaster, PA 17601-5000 (717) 538-3331

LLI Sample No. SW 1297294

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. B-4/11C Composite Soil Samp
Collected on 08/15/88 at 1200 by AL

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
Base Neutrals cont (Soils)				
anthracene	0.73 mg/kg		0.33	065900000N
di-n-butyl phthalate	< 0.33 mg/kg		0.33	068200000N
fluoranthene	2.23 mg/kg		0.33	068700000N
pyrene	2.80 mg/kg		0.33	119500000N
benzidine	< 0.833 mg/kg		0.833	066000000N
butyl benzyl phthalate	< 0.33 mg/kg		0.33	067100000N
benzo (a) anthracene	1.73 mg/kg		0.33	066100000N
chrysene	2.50 mg/kg		0.33	067400000N
3,3'-dichlorobenzidine	< 0.833 mg/kg		0.833	067900000N
bis (2-ethylhexyl) phthalate	< 0.33 mg/kg		0.33	066900000N
di-n-octyl phthalate	< 0.33 mg/kg		0.33	068500000N
benzo (b) fluoranthene	2.00 mg/kg		0.33	066300000N
benzo (K) fluoranthene	< 0.33 mg/kg		0.33	066500000N
benzo (a) pyrene	1.27 mg/kg		0.33	066200000N
indeno (1,2,3-cd) pyrene	0.57 mg/kg		0.33	069300000N
dibenzo (a,h) anthracene	< 0.33 mg/kg		0.33	067500000N
benzo (ghi) perylene	0.70 mg/kg		0.33	066400000N

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

LLI Sample No. TL 1297303

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

EP Toxicity Leachate Philadelphia Coke Co. B4/11C
Composite Soil Sample
Collected on 08/16/88 at 1200 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	0.06 mg/l	0.05	024502500
Barium	0.2 mg/l	0.1	024601300
Cadmium	< 0.005 mg/l	0.005	024901300
Chromium	< 0.05 mg/l	0.05	025101300
Lead	< 0.05 mg/l	0.05	025501300
Mercury	< 0.0005 mg/l	0.0005	025902500
Selenium	< 0.02 mg/l	0.02	026402500
Silver	< 0.01 mg/l	0.01	026601300

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0,
Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4,
Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

03464 150.00 029000

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Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 658-2301

LLI Sample No. SW 1297294

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. B-4/11C Composite Soil Samp
Collected on 08/15/88 at 1200 by AL

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB CODE
119800000
119900000
120000000

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

325 West Holland Pike, Lancaster, PA 17602

441421 0 3 12

III Sample No. SV 1297294

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. B-4/11C Composite Soil Samp
Collected on 08/15/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT.	BASIS	DETECTION	
Acid Extractables (Soils)				
2-chlorophenol	< 0.50	mg/kg	0.5	118600000N
phenol	< 0.50	mg/kg	0.5	118500000N
2-nitrophenol	< 0.50	mg/kg	0.5	065100000N
2,4-dimethylphenol	< 0.50	mg/kg	0.5	064800000N
2,4-dichlorophenol	< 0.50	mg/kg	0.5	064700000N
4-chloro-3-methylphenol	< 0.50	mg/kg	0.5	119000000N
2,4,6-trichlorophenol	< 0.50	mg/kg	0.5	065600000N
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000N
4-nitrophenol	< 1.0	mg/kg	1.	119200000N
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000N
pentachlorophenol	< 1.0	mg/kg	1.	119400000N

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ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5984 (717) 658-2301

LLI Sample No. SV 1297294

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. B-4/11C Composite Soil Samp
Collected on 08/15/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT.	BASIS	DETECTION	
Base Neutrals (Soils)	< 0.50	mg/kg	0.5	069700000N
N-nitrosodimethylamine	< 0.50	mg/kg	0.5	066700000N
bis (2-chloroethyl) ether	< 0.50	mg/kg	0.5	067700000N
1,3-dichlorobenzene	< 0.50	mg/kg	0.5	118700000N
1,4-dichlorobenzene	< 0.50	mg/kg	0.5	067600000N
1,2-dichlorobenzene	< 0.50	mg/kg	0.5	066800000N
bis (2-chloroisopropyl) ether	< 0.50	mg/kg	0.5	069200000N
hexachloroethane	< 0.50	mg/kg	0.5	118800000N
N-nitrosodi-n-propylamine	< 0.50	mg/kg	0.5	069600000N
nitrobenzene	< 0.50	mg/kg	0.5	069400000N
isophorone	< 0.50	mg/kg	0.5	066600000N
bis (2-chloroethoxy) methane	< 0.50	mg/kg	0.5	118900000N
1,2,4-trichlorobenzene	< 0.50	mg/kg	0.5	069500000N
naphthalene	2.76	mg/kg	0.5	069100000N
hexachlorobutadiene	< 0.50	mg/kg	0.5	067200000N
hexachlorocyclopentadiene	< 0.50	mg/kg	0.5	065800000N
2-chloronaphthalene	< 0.50	mg/kg	0.5	068100000N
acenaphthylene	< 0.50	mg/kg	0.5	068400000N
dimethyl phthalate	< 0.50	mg/kg	0.5	119100000N
2,6-dinitrotoluene	< 0.50	mg/kg	0.5	119300000N
acenaphthene	1.39	mg/kg	0.5	068800000N
2,4-dinitrotoluene	< 0.50	mg/kg	0.5	067300000N
fluorene	0.96	mg/kg	0.5	068000000N
4-chlorophenyl phenyl ether	< 0.50	mg/kg	0.5	068600000N
diethyl phthalate	< 0.50	mg/kg	0.5	069900000N
1,2-diphenylhydrazine	< 0.50	mg/kg	0.5	067000000N
N-nitrosodiphenylamine	< 0.50	mg/kg	0.5	068900000N
4-bromophenyl phenyl ether	< 0.50	mg/kg	0.5	070000000N
hexachlorobenzene	< 0.50	mg/kg	0.5	
phenanthrene	3.61	mg/kg	0.5	

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ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

Respectfully Submitted
Lancaster Laboratories, Inc.
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Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5984 (717) 658-2301

LLI Sample No. SW 1297294

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. B-4/11C Composite Soil Samp
Collected on 08/15/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals cont (Soils)				
anthracene	1.04 mg/kg		0.5	065900000N
di-n-butyl phthalate	< 0.50 mg/kg		0.5	068200000N
fluoranthene	3.19 mg/kg		0.5	068700000N
pyrene	4.00 mg/kg		0.5	119500000N
benzidine	< 1.0 mg/kg		1.	066000000N
butyl benzyl phthalate	< 0.50 mg/kg		0.5	067100000N
benzo (a) anthracene	2.47 mg/kg		0.5	066100000N
chrysene	3.57 mg/kg		0.5	067400000N
3,3'-dichlorobenzidine	< 1.0 mg/kg		1.	067900000N
bis (2-ethylhexyl) phthalate	< 0.50 mg/kg		0.5	066900000N
di-n-octyl phthalate	< 0.50 mg/kg		0.5	068500000N
benzo (b) fluoranthene	2.86 mg/kg		0.5	066300000N
benzo (K) fluoranthene	< 0.50 mg/kg		0.5	066500000N
benzo (a) pyrene	1.81 mg/kg		0.5	066200000N
indeno (1,2,3-cd) pyrene	0.81 mg/kg		0.5	069300000N
dibenzo (a,h) anthracene	< 0.50 mg/kg		0.5	067500000N
benzo (ghi) perylene	1.00 mg/kg		0.5	066400000N

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1297293

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. A-4/8C Composite Soil Sample
Collected on 08/11/88 at 1200 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Moisture	17.1 % by wt.	0.1	011101100
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Reactivity	see below		112104000
Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.			
Sulfide (Reactivity)	140. mg/kg	50.	112201500
Cyanide (Reactivity)	< 100. mg/kg	100.	112301500
Acid Extractables (Soils)	attached		119817000
Base Neutrals (Soils)	attached		119929000
Base Neutrals cont (Soils)	attached		120000000

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03464 60.00 060100

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Methods of Testing



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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5984 (717) 658-2301

LLI Sample No. SW 1297293

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. A-4/8C Composite Soil Sample
Collected on 08/11/88 at 1200 by AL

Acid Extractables (Soils)	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
2-chlorophenol	< 0.33 mg/kg	0.33	118600000N
phenol	< 0.33 mg/kg	0.33	118500000N
2-nitrophenol	< 0.33 mg/kg	0.33	065100000N
2,4-dimethylphenol	< 0.33 mg/kg	0.33	064800000N
2,4-dichlorophenol	< 0.33 mg/kg	0.33	064700000N
4-chloro-3-methylphenol	< 0.33 mg/kg	0.33	119000000N
2,4,6-trichlorophenol	< 0.33 mg/kg	0.33	065600000N
2,4-dinitrophenol	< 0.833 mg/kg	0.833	065000000N
4-nitrophenol	< 0.833 mg/kg	0.833	119200000N
2-methyl-4,6-dinitrophenol	< 0.833 mg/kg	0.833	064900000N
pentachlorophenol	< 0.833 mg/kg	0.833	119400000N

2 COPIES TO Woodward Clyde Consultants
1 COPY TO Philadelphia Coke Co.

ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

American Association for
Laboratory Accreditation
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Fields of Testing



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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 Miss Holland Pike, Lancaster, PA 17601-9984 (717) 652-4801

LLI Sample No. SW 1297293

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. A-4/8C Composite Soil Sample
Collected on 08/11/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	069700000N
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	066700000N
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	067700000N
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	118700000N
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	067600000N
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	066800000N
hexachloroethane	< 0.33	mg/kg	0.33	069200000N
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	118800000N
nitrobenzene	< 0.33	mg/kg	0.33	069600000N
isophorone	< 0.33	mg/kg	0.33	069400000N
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	066600000N
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	118900000N
naphthalene	2.00	mg/kg	0.33	069500000N
hexachlorobutadiene	< 0.33	mg/kg	0.33	069000000N
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	069100000N
2-chloronaphthalene	< 0.33	mg/kg	0.33	067200000N
acenaphthylene	< 0.33	mg/kg	0.33	065800000N
dimethyl phthalate	< 0.33	mg/kg	0.33	068100000N
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	068400000N
acenaphthene	0.73	mg/kg	0.33	119100000N
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	119300000N
fluorene	0.87	mg/kg	0.33	068800000N
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	067300000N
diethyl phthalate	< 0.33	mg/kg	0.33	068000000N
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	068600000N
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	069900000N
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	067000000N
hexachlorobenzene	< 0.33	mg/kg	0.33	068900000N
phenanthrene	1.70	mg/kg	0.33	070000000N

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1 COPY TO Philadelphia Coke Co.

ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SV 1297293

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. A-4/8C Composite Soil Sample
Collected on 08/11/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals cont (Soils)				
anthracene	0.50	mg/kg	0.33	065900000N
di-n-butyl phthalate	< 0.33	mg/kg	0.33	068200000N
fluoranthene	2.83	mg/kg	0.33	068700000N
pyrene	1.90	mg/kg	0.33	119500000N
benzidine	< 0.833	mg/kg	0.833	066000000N
butyl benzyl phthalate	< 0.33	mg/kg	0.33	067100000N
benzo (a) anthracene	1.00	mg/kg	0.33	066100000N
chrysene	1.30	mg/kg	0.33	067400000N
3,3'-dichlorobenzidine	< 0.833	mg/kg	0.833	067900000N
bis (2-ethylhexyl) phthalate	< 0.33	mg/kg	0.33	066900000N
di-n-octyl phthalate	< 0.33	mg/kg	0.33	068500000N
benzo (b) fluoranthene	1.03	mg/kg	0.33	066300000N
benzo (K) fluoranthene	< 0.33	mg/kg	0.33	066500000N
benzo (a) pyrene	0.63	mg/kg	0.33	06620000
indeno (1,2,3-cd) pyrene	0.37	mg/kg	0.33	06930000
dibenzo (a,h) anthracene	< 0.33	mg/kg	0.33	067500000N
benzo (ghi) perylene	0.40	mg/kg	0.33	066400000N

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

2 COPIES TO Woodward Clyde Consultants
1 COPY TO Philadelphia Coke Co.

ATTN: Vinay Ghanekar
ATTN: Attn: Jim Busted

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5884 (717) 688-2301

LLI Sample No. TL 1297302

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

EP Toxicity Leachate Philadelphia Coke Co. A4/8C
Composite Soil Sample
Collected on 08/16/88 at 1200 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	< 0.05 mg/l	0.05	024502500
Barium	< 0.1 mg/l	0.1	024601300
Cadmium	< 0.005 mg/l	0.005	024901300
Chromium	< 0.05 mg/l	0.05	025101300
Lead	< 0.05 mg/l	0.05	025501300
Mercury	< 0.0005 mg/l	0.0005	025902500
Selenium	< 0.02 mg/l	0.02	026402500
Silver	< 0.01 mg/l	0.01	026601300

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0, Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4, Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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1 COPY TO Philadelpha Coke Co.

ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

03464 150.00 029000

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5924 (717) 658-2201

LLI Sample No. SW 1297293

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. A-4/8C Composite Soil Sample
Collected on 08/11/88 at 1200 by AL

ANALYSIS	RESULT	LIMIT OF DETECTION	LAB CODE
Acid Extractables (Soils)	DRY WT. BASIS attached		119800000
Base Neutrals (Soils)	attached		119900000
Base Neutrals cont (Soils)	attached		120000000

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1 COPY TO Philadelphia Coke Co.

ATTN: Vinay Ghanekar
ATTN: Attn: Jim Husted

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5904, (717) 399-5501

LLI Sample No. SW 1297293

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. #87C2839-6
Rel.

Philadelphia Coke Co. A-4/8C Composite Soil Sample
Collected on 08/11/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Acid Extractables (Soils)				
2-chlorophenol	< 0.40	mg/kg	0.4	118600000N
phenol	< 0.40	mg/kg	0.4	118500000N
2-nitrophenol	< 0.40	mg/kg	0.4	065100000N
2,4-dimethylphenol	< 0.40	mg/kg	0.4	064800000N
2,4-dichlorophenol	< 0.40	mg/kg	0.4	064700000N
4-chloro-3-methylphenol	< 0.40	mg/kg	0.4	119000000N
2,4,6-trichlorophenol	< 0.40	mg/kg	0.4	065600000N
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000N
4-nitrophenol	< 1.0	mg/kg	1.	119200000N
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000N
pentachlorophenol	< 1.0	mg/kg	1.	119400000N

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

125 New Holland Pike, Lancaster, PA 17601

01421 D 3 12

III Sample No. SW 1297293

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. A-4/8C Composite Soil Sample
Collected on 08/11/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.40	mg/kg	0.4	069700000N
bis (2-chloroethyl) ether	< 0.40	mg/kg	0.4	066700000N
1,3-dichlorobenzene	< 0.40	mg/kg	0.4	067700000N
1,4-dichlorobenzene	< 0.40	mg/kg	0.4	118700000N
1,2-dichlorobenzene	< 0.40	mg/kg	0.4	067600000N
bis (2-chloroisopropyl) ether	< 0.40	mg/kg	0.4	066800000N
hexachloroethane	< 0.40	mg/kg	0.4	069200000N
N-nitrosodi-n-propylamine	< 0.40	mg/kg	0.4	118800000N
nitrobenzene	< 0.40	mg/kg	0.4	069600000N
isophorone	< 0.40	mg/kg	0.4	069400000N
bis (2-chloroethoxy) methane	< 0.40	mg/kg	0.4	066600000N
1,2,4-trichlorobenzene	< 0.40	mg/kg	0.4	118900000N
naphthalene	2.41	mg/kg	0.4	069500000N
hexachlorobutadiene	< 0.40	mg/kg	0.4	069000000N
hexachlorocyclopentadiene	< 0.40	mg/kg	0.4	069100000N
2-chloronaphthalene	< 0.40	mg/kg	0.4	067200000N
acenaphthylene	< 0.40	mg/kg	0.4	065800000N
dimethyl phthalate	< 0.40	mg/kg	0.4	068100000N
2,6-dinitrotoluene	< 0.40	mg/kg	0.4	068400000N
acenaphthene	0.88	mg/kg	0.4	119100000N
2,4-dinitrotoluene	< 0.40	mg/kg	0.4	119300000N
fluorene	1.05	mg/kg	0.4	068800000N
4-chlorophenyl phenyl ether	< 0.40	mg/kg	0.4	067300000N
diethyl phthalate	< 0.40	mg/kg	0.4	068000000N
1,2-diphenylhydrazine	< 0.40	mg/kg	0.4	068600000N
N-nitrosodiphenylamine	< 0.40	mg/kg	0.4	069900000N
4-bromophenyl phenyl ether	< 0.40	mg/kg	0.4	067000000N
hexachlorobenzene	< 0.40	mg/kg	0.4	068900000N
phenanthrene	2.05	mg/kg	0.4	070000000N

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1 COPY TO Philadelphia Coke Co.

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ATTN: Attn: Jim Husted

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Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5994 (717) 656-2301

LLI Sample No. SW 1297293

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 1946-1202

Date Reported 8/29/88
Date Submitted 8/16/88
Discard Date 9/29/88
Collected by AL
P.O. 87C2839-6
Rel.

Philadelphia Coke Co. A-4/8C Composite Soil Sample
Collected on 08/11/88 at 1200 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals cont (Soils)				
anthracene	0.60	mg/kg	0.4	065900000N
di-n-butyl phthalate	< 0.40	mg/kg	0.4	068200000N
fluoranthene	3.41	mg/kg	0.4	068700000N
pyrene	2.29	mg/kg	0.4	119500000N
benzidine	< 1.0	mg/kg	1.	066000000N
butyl benzyl phthalate	< 0.40	mg/kg	0.4	067100000N
benzo (a) anthracene	1.21	mg/kg	0.4	066100000N
chrysene	1.57	mg/kg	0.4	067400000N
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.	067900000N
bis (2-ethylhexyl) phthalate	< 0.40	mg/kg	0.4	066900000N
di-n-octyl phthalate	< 0.40	mg/kg	0.4	068500000N
benzo (b) fluoranthene	1.24	mg/kg	0.4	066300000N
benzo (K) fluoranthene	< 0.40	mg/kg	0.4	066500000N
benzo (a) pyrene	0.76	mg/kg	0.4	066200000N
indeno (1,2,3-cd) pyrene	0.45	mg/kg	0.4	069300000N
dibenzo (a,h) anthracene	< 0.40	mg/kg	0.4	067500000N
benzo (ghi) perylene	0.48	mg/kg	0.4	066400000N

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo(b)fluoranthene represents the combined total of both isomers.

2 COPIES TO Woodward Clyde Consultants
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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Philadelphia Coke Co. SC11-13 Composite Soil Samp
Collected on 01/18/89 at 1400 by JV

LLI Sample No. SW 1349193

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

ANALYSIS	RESULT AS RECEIVED		LIMIT OF QUANTITATION	LAB CODE
Moisture	13.8	% by wt.	0.1	011101100
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.				
Reactivity	see below			112102000
Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.				
Sulfide (Reactivity)	< 50.	mg/kg	50.	112204000
Cyanide (Reactivity)	< 100.	mg/kg	100.	112303000
Acid Extractables (Soils)		attached		1198175
Base Neutrals (Soils)		attached		119930C
Base Neutrals cont (Soils)		attached		120000000

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310 03464 55.00 063100

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Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Philadelphia Coke Co. SC11-13 Composite Soil Samp
Collected on 01/18/89 at 1400 by JV

LLI Sample No. SW 1349193

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

	RESULT AS RECEIVED		LIMIT OF QUANTITATION	LAB CODE
Acid Extractables (Soils)				
2-chlorophenol	< 0.33	mg/kg	0.33	118600000N
phenol	0.50	mg/kg	0.33	118500000N
2-nitrophenol	< 0.33	mg/kg	0.33	065100000N
2,4-dimethylphenol	< 0.33	mg/kg	0.33	064800000N
2,4-dichlorophenol	< 0.33	mg/kg	0.33	064700000N
4-chloro-3-methylphenol	< 0.33	mg/kg	0.33	119000000N
2,4,6-trichlorophenol	< 0.33	mg/kg	0.33	065600000N
2,4-dinitrophenol	< 0.833	mg/kg	0.833	065000000N
4-nitrophenol	< 0.833	mg/kg	0.833	119200000N
2-methyl-4,6-dinitrophenol	< 0.833	mg/kg	0.833	064900000N
pentachlorophenol	< 0.833	mg/kg	0.833	119400000N

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1349193

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel:

Philadelphia Coke Co. SC11-13 Composite Soil Samp
Collected on 01/18/89 at 1400 by JV

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		QUANTITATION	
Base Neutrals (Soils)	< 0.33	mg/kg	0.33	069700000N
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	066700000N
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	067700000N
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	118700000N
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	067600000N
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	066800000N
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	069200000N
hexachloroethane	< 0.33	mg/kg	0.33	118800000N
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	069600000N
nitrobenzene	< 0.33	mg/kg	0.33	069400000N
isophorone	< 0.33	mg/kg	0.33	066600000N
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	118900000N
1,2,4-trichlorobenzene	6.00	mg/kg	0.33	069500000N
naphthalene	< 0.33	mg/kg	0.33	069000000N
hexachlorobutadiene	< 0.33	mg/kg	0.33	069100000N
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	067200000N
2-chloronaphthalene	1.47	mg/kg	0.33	065800000N
acenaphthylene	< 0.33	mg/kg	0.33	068100000N
dimethyl phthalate	< 0.33	mg/kg	0.33	068400000N
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	119100000N
acenaphthene	< 0.33	mg/kg	0.33	119300000N
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	068800000N
fluorene	1.40	mg/kg	0.33	067300000N
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	068000000N
diethyl phthalate	< 0.33	mg/kg	0.33	068600000N
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	069900000N
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	067000000N
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	068900000N
hexachlorobenzene	< 0.33	mg/kg	0.33	070000000N
phenanthrene	10.7	mg/kg	6.6	

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-6804 (717) 658-2301

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1349193

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia-Coke Co. SC11-13 Composite Soil Samp
Collected on 01/18/89 at 1400 by JV

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		QUANTITATION	
Base Neutrals cont (Soils)				
anthracene	3.33	mg/kg	0.33	065900000N
di-n-butyl phthalate	< 0.33	mg/kg	0.33	068200000N
fluoranthene	25.0	mg/kg	6.6	068700000N
pyrene	22.0	mg/kg	6.6	119500000N
benzidine	< 0.833	mg/kg	0.833	066000000N
butyl benzyl phthalate	< 0.33	mg/kg	0.33	067100000N
benzo (a) anthracene	17.3	mg/kg	6.6	066100000N
chrysene	26.3	mg/kg	6.6	067400000N
3,3'-dichlorobenzidine	< 0.833	mg/kg	0.833	067900000N
bis (2-ethylhexyl) phthalate	< 0.33	mg/kg	0.33	066900000N
di-n-octyl phthalate	< 0.33	mg/kg	0.33	068500000N
benzo (b) fluoranthene	24.3	mg/kg	6.6	066300000N
benzo (K) fluoranthene	< 0.33	mg/kg	0.33	066500000N
benzo (a) pyrene	12.0	mg/kg	6.6	066200000N
indeno (1,2,3-cd) pyrene	9.7	mg/kg	6.6	069300000N
dibenzo (a,h) anthracene	2.80	mg/kg	0.33	067500000N
benzo (ghi) perylene	12.0	mg/kg	6.6	066400000N

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Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5000 (717) 658-2301

LLI Sample No. TL 1349195

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

EP Toxicity Leachate of Philadelphia Coke Co.
SC11-13 Composite Soil Sample
Collected on 01/18/89 at 1400 by JV

ANALYSIS	RESULT AS RECEIVED	LIMIT OF QUANTITATION	LAB CODE
Barium	< 0.1 mg/l	0.1	024601300
Cadmium	0.012 mg/l	0.005	024901300
Chromium	< 0.05 mg/l	0.05	025101300
Lead	- 13.6 — mg/l	0.05	025501300
Mercury	< 0.0005 mg/l	0.0005	025902500
Selenium	< 0.02 mg/l	0.02	026402500
Silver	< 0.01 mg/l	0.01	026601300
Arsenic	< 0.05 mg/l	0.05	133501300

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0,
Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4,
Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122. Lead exceeds the limit.

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*Rem of lead analysis (from extraction)
indicated lead of 13.6 mg/l*

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310 03464 150.00 027800

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Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2425 New Holland Pike, Lancaster, PA 17602

TEL: 717/399-1100

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 3/ 1/89
Date Submitted 2/10/89
Discard Date 4/ 1/89
Collected by JV
P.O. 87C2839A
Rel.

EP Toxicity Leachate of SC11-13 Soil Sample
Collected on 01/18/89 at 1400 by JV
Previous LLI # 1349193

ANALYSIS

Lead

RESULT
AS RECEIVED
< 0.05 mg/l

LIMIT OF
QUANTITATION LAB CODE
0.05 025501300

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127. A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0,
Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4,
Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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310 03464 115.00 012800

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Lee A. Seats, B.S. Mgr.
Inorganic Analysis

American Association for
Quality Accreditation
Chemical, Biological & Environmental
Fields of Testing



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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5804 (717) 692-2389

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Philadelphia Coke Co. SC11-13 Composite Soil Samp
Collected on 01/18/89 at 1400 by JV

LLI Sample No. SW 1349193

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF
QUANTITATION LAB CODE
119800000
119930000
120000000

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Philadelphia Coke Co. SC11-13 Composite Soil Samp
Collected on 01/18/89 at 1400 by JV

LLI Sample No. SW 1349193

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Acid Extractables (Soils)

2-chlorophenol
phenol
2-nitrophenol
2,4-dimethylphenol
2,4-dichlorophenol
4-chloro-3-methylphenol
2,4,6-trichlorophenol
2,4-dinitrophenol
4-nitrophenol
2-methyl-4,6-dinitrophenol
pentachlorophenol

RESULT	
DRY WT.	BASIS
< 0.40	mg/kg
0.58	mg/kg
< 0.40	mg/kg
< 0.40	mg/kg
< 0.40	mg/kg
< 0.40	mg/kg
< 0.40	mg/kg
< 0.40	mg/kg
< 1.0	mg/kg
< 1.0	mg/kg
< 1.0	mg/kg
< 1.0	mg/kg

LIMIT OF QUANTITATION		LAB CODE
0.4		118600000N
0.4		118500000N
0.4		065100000N
0.4		064800000N
0.4		064700000N
0.4		119000000N
0.4		065600000N
1.		065000000N
1.		119200000N
1.		064900000N
1.		119400000N

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Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 New Holland Pike, Lancaster, PA 17601-5800 (717) 399-2001

LLI Sample No. SW 1349193

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. SC11-13 Composite Soil Samp
Collected on 01/18/89 at 1400 by JV

	RESULT		LIMIT OF	
	DRY WT. BASIS		QUANTITATION	LAB CODE
Base Neutrals (Soils)				
N-nitrosodimethylamine	< 0.40	mg/kg	0.4	069700000N
bis (2-chloroethyl) ether	< 0.40	mg/kg	0.4	066700000N
1,3-dichlorobenzene	< 0.40	mg/kg	0.4	067700000N
1,4-dichlorobenzene	< 0.40	mg/kg	0.4	118700000N
1,2-dichlorobenzene	< 0.40	mg/kg	0.4	067600000N
bis (2-chloroisopropyl) ether	< 0.40	mg/kg	0.4	066800000N
hexachloroethane	< 0.40	mg/kg	0.4	069200000N
N-nitrosodi-n-propylamine	< 0.40	mg/kg	0.4	118800000N
nitrobenzene	< 0.40	mg/kg	0.4	069600000N
isophorone	< 0.40	mg/kg	0.4	069400000N
bis (2-chloroethoxy) methane	< 0.40	mg/kg	0.4	066600000N
1,2,4-trichlorobenzene	< 0.40	mg/kg	0.4	118900000N
naphthalene	6.96	mg/kg	0.4	069500000N
hexachlorobutadiene	< 0.40	mg/kg	0.4	069000000N
hexachlorocyclopentadiene	< 0.40	mg/kg	0.4	0691000
2-chloronaphthalene	< 0.40	mg/kg	0.4	067200000N
acenaphthylene	1.71	mg/kg	0.4	065800000N
dimethyl phthalate	< 0.40	mg/kg	0.4	068100000N
2,6-dinitrotoluene	< 0.40	mg/kg	0.4	068400000N
acenaphthene	< 0.40	mg/kg	0.4	119100000N
2,4-dinitrotoluene	< 0.40	mg/kg	0.4	119300000N
fluorene	1.62	mg/kg	0.4	068800000N
4-chlorophenyl phenyl ether	< 0.40	mg/kg	0.4	067300000N
diethyl phthalate	< 0.40	mg/kg	0.4	068000000N
1,2-diphenylhydrazine	< 0.40	mg/kg	0.4	068600000N
N-nitrosodiphenylamine	< 0.40	mg/kg	0.4	069900000N
4-bromophenyl phenyl ether	< 0.40	mg/kg	0.4	067000000N
hexachlorobenzene	< 0.40	mg/kg	0.4	068900000N
phenanthrene	12.4	mg/kg	8.	070000000N

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1349193

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. SC11-13 Composite Soil Samp
Collected on 01/18/89 at 1400 by JV

	RESULT		LIMIT OF	QUANTITATION	LAB CODE
	DRY WT. BASIS				
Base Neutrals cont (Soils)					
anthracene	3.86	mg/kg	0.4		065900000N
di-n-butyl phthalate	< 0.40	mg/kg	0.4		068200000N
fluoranthene	29.0	mg/kg	8.		068700000N
pyrene	25.5	mg/kg	8.		119500000N
benzidine	< 1.0	mg/kg	1.		066000000N
butyl benzyl phthalate	< 0.40	mg/kg	0.4		067100000N
benzo (a) anthracene	20.1	mg/kg	8.		066100000N
chrysene	30.5	mg/kg	8.		067400000N
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.		067900000N
bis (2-ethylhexyl) phthalate	< 0.40	mg/kg	0.4		066900000N
di-n-octyl phthalate	< 0.40	mg/kg	0.4		068500000N
benzo (b) fluoranthene	28.2	mg/kg	8.		066300000N
benzo (K) fluoranthene	< 0.40	mg/kg	0.4		066500000N
benzo (a) pyrene	13.9	mg/kg	8.		066200000N
indeno (1,2,3-cd) pyrene	11.3	mg/kg	8.		069300000N
dibenzo (a,h) anthracene	3.25	mg/kg	0.4		067500000N
benzo (ghi) perylene	13.9	mg/kg	8.		066400000N

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Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

100 New Holland Pike, Lancaster, PA 17601-0001

LLI Sample No. SW 1287205

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/ 2/88
Date Submitted 7/20/88
Discard Date 9/ 2/88
Collected by AL
P.O. 87C2839-6
Rel.

OB-1 Composite Soil Sample
Collected on 07/18/88 at 1400 by AL

ANALYSIS	RESULT	LIMIT OF	LAB CODE
Moisture	AS RECEIVED 13.4 % by wt.	DETECTION 0.1	011101100
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Acid Extractables	attached		055217000
Base Neutrals	attached		055329000
Base Neutrals (cont)	attached		055400000
Reactivity	see below		112104000
<p>Reactivity:</p> <p>The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.</p>			
Sulfide (Reactivity)	< 50. mg/kg	50.	112201500
Cyanide (Reactivity)	< 100. mg/kg	100.	112301500

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03464 60.00 060100

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Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

225 New Holland Pike, Lancaster, PA 17601

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1287205

Date Reported 8/ 2/88
Date Submitted 7/20/88
Discard Date 9/ 2/88
Collected by AL
P.O. 87C2839-6
Rel.

OB-1 Composite Soil Sample
Collected on 07/18/88 at 1400 by AL

Acid Extractables

2-chlorophenol

phenol

2-nitrophenol

2,4-dimethylphenol

2,4-dichlorophenol

4-chloro-3-methylphenol

2,4,6-trichlorophenol

2,4-dinitrophenol

4-nitrophenol

2-methyl-4,6-dinitrophenol

pentachlorophenol

RESULT AS RECEIVED

< 0.33 mg/kg
2.23 mg/kg
< 0.33 mg/kg
< 0.33 mg/kg
< 0.33 mg/kg
< 0.33 mg/kg
< 0.33 mg/kg
< 0.33 mg/kg
< 0.833 mg/kg
< 0.833 mg/kg
< 0.833 mg/kg
< 0.833 mg/kg

LIMIT OF DETECTION

0.33
0.33
0.33
0.33
0.33
0.33
0.33
0.33
0.833
0.833
0.833
0.833

LAB CODE
064600000N
065500000N
065100000N
064800000N
064700000N
065300000N
065600000N
065000000N
065200000N
064900000N
065400000N

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

LLI Sample No. SW 1287205

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/ 2/88
Date Submitted 7/20/88
Discard Date 9/ 2/88
Collected by AL
P.O. 87C2839-6
Rel.

OB-1 Composite Soil Sample
Collected on 07/18/88 at 1400 by AL

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		DETECTION	
Base Neutrals				
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	069700000N
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	066700000N
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	067700000N
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	067800000N
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	067600000N
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	066800000N
hexachloroethane	< 0.33	mg/kg	0.33	069200000N
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	069800000N
nitrobenzene	< 0.33	mg/kg	0.33	069600000N
isophorone	< 0.33	mg/kg	0.33	069400000N
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	066600000N
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	070200000N
naphthalene	3.37	mg/kg	0.33	069500000N
hexachlorobutadiene	< 0.33	mg/kg	0.33	069000000N
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	069100000C
2-chloronaphthalene	< 0.33	mg/kg	0.33	067200000N
acenaphthylene	0.53	mg/kg	0.33	065800000N
dimethyl phthalate	< 0.33	mg/kg	0.33	068100000N
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	068400000N
acenaphthene	< 0.33	mg/kg	0.33	065700000N
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	068300000N
fluorene	0.53	mg/kg	0.33	068800000N
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	067300000N
diethyl phthalate	< 0.33	mg/kg	0.33	068000000N
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	068600000N
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	069900000N
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	067000000N
hexachlorobenzene	< 0.33	mg/kg	0.33	068900000N
phenanthrene	2.67	mg/kg	0.33	070000000N

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ATTN: Vinay Ghanekar

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

1425 New Holland Pike, Lancaster, PA 17601-5504 (717) 656-2301

LLI Sample No. SW 1287205

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/ 2/88
Date Submitted 7/20/88
Discard Date 9/ 2/88
Collected by AL
P.O. 87C2839-6
Rel.

OB-1 Composite Soil Sample
Collected on 07/18/88 at 1400 by AL

	RESULT AS RECEIVED		LIMIT OF DETECTION	LAB CODE
Base Neutrals (cont)				
anthracene	0.80	mg/kg	0.33	065900000N
di-n-butyl phthalate	< 0.33	mg/kg	0.33	068200000N
fluoranthene	3.83	mg/kg	0.33	068700000N
pyrene	4.23	mg/kg	0.33	070100000N
benzidine	< 0.833	mg/kg	0.833	066000000N
butyl benzyl phthalate	< 0.33	mg/kg	0.33	067100000N
benzo (a) anthracene	2.97	mg/kg	0.33	066100000N
chrysene	3.07	mg/kg	0.33	067400000N
3,3'-dichlorobenzidine	< 0.833	mg/kg	0.833	067900000N
bis (2-ethylhexyl) phthalate	< 0.33	mg/kg	0.33	066900000N
di-n-octyl phthalate	< 0.33	mg/kg	0.33	068500000N
benzo (b) fluoranthene	6.00	mg/kg	0.33	066300000N
benzo (K) fluoranthene	< 0.33	mg/kg	0.33	066500000N
benzo (a) pyrene	2.67	mg/kg	0.33	066200000N
indeno (1,2,3-cd) pyrene	2.07	mg/kg	0.33	069300000N
dibenzo (a,h) anthracene	0.63	mg/kg	0.33	067500000N
benzo (ghi) perylene	1.90	mg/kg	0.33	066400000N

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ATTN: Vinay Ghanekar

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

American Association for
Accreditation
Chemical, Biological & Environmental
Fields of Testing



Member American Council of
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Our Standard Terms And Conditions

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

225 New Holland Pike, Lancaster, PA 17601-8004 (717) 399-2211

LLI Sample No. SW 1287206

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/ 2/88
Date Submitted 7/20/88
Discard Date 9/ 2/88
Collected by AL
P.O. 87C2839-6
Rel.

EP Toxicity Leachate of OB-1 Composite Soil Sample
Collected on 07/18/88 at 1400 by AL

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Arsenic	< 0.05 mg/l	0.05	024502500
Barium	< 0.1 mg/l	0.1	024601300
Cadmium	< 0.005 mg/l	0.005	024901300
Chromium	< 0.05 mg/l	0.05	025101300
Lead	15.8 mg/l	0.05	025501300
Mercury	< 0.0005 mg/l	0.0005	025902500
Selenium	< 0.02 mg/l	0.02	026402500
Silver	< 0.01 mg/l	0.01	026601300
Lead	14.8 mg/l		900101300

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0,
Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4,
Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122. Lead exceeds the limit.

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ATTN: Vinay Ghanekar

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

03464 150.00 030300

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Accreditation
in Biological & Environmental
Fields of Testing



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Independent Laboratories



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

25 New Holland Pike, Lancaster, PA 17601-5800 (717) 652-2001

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. TL 1290616

Date Reported 8/ 9/88
Date Submitted 7/20/88
Discard Date 9/ 9/88
Collected by C
P.O. 87C2839-6
Rel.

EP Toxicity Leachate of OB-1 Composite Soil Sample
Collected on 07/18/88 at 1400 by AL
Previous LLI # 1287206

Rerun lead

ANALYSIS
Lead

RESULT
AS RECEIVED
< 0.05 mg/l

LIMIT OF
DETECTION 0.05
LAB CODE
025501300P

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127. A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0,
Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4,
Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

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ATTN: Vinay Ghanekar

03464 115.00 012800

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.
Group Leader, Inorganics

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American Association for
Accreditation
of Chemical, Biological & Environmental
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ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2425 North Molland Pike, Lancaster, PA 17601-5884 (717) 668-2331

LLI Sample No. SW 1287205

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/ 2/88
Date Submitted 7/20/88
Discard Date 9/ 2/88
Collected by AL
P.O. 87C2839-6
Rel.

OB-1 Composite Soil Sample
Collected on 07/18/88 at 1400 by AL

ANALYSIS

Acid Extractables
Base Neutrals
Base Neutrals (cont)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF DETECTION

LAB. CODE
055201500
055301500
055401500

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Our Standard Terms And Conditions

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS



ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

100 West Holland Pike, Lancaster, PA 17602

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1287205

Date Reported 8/ 2/88
Date Submitted 7/20/88
Discard Date 9/ 2/88
Collected by AL
P.O. 87C2839-6
Rel.

OB-1 Composite Soil Sample
Collected on 07/18/88 at 1400 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Acid Extractables				
2-chlorophenol	< 0.40	mg/kg	0.4	064600000N
phenol	2.58	mg/kg	0.4	065500000N
2-nitrophenol	< 0.40	mg/kg	0.4	065100000N
2,4-dimethylphenol	< 0.40	mg/kg	0.4	064800000N
2,4-dichlorophenol	< 0.40	mg/kg	0.4	064700000N
4-chloro-3-methylphenol	< 0.40	mg/kg	0.4	065300000N
2,4,6-trichlorophenol	< 0.40	mg/kg	0.4	065600000N
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000N
4-nitrophenol	< 1.0	mg/kg	1.	065200000N
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000N
pentachlorophenol	< 1.0	mg/kg	1.	065400000N

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Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

25 New Holland Pike, Lancaster, PA 17601-3804 (717) 658-2301

LLI Sample No. SV 1287205

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 8/ 2/88
Date Submitted 7/20/88
Discard Date 9/ 2/88
Collected by AL
P.O. 87C2839-6
Rel.

OB-1 Composite Soil Sample
Collected on 07/18/88 at 1400 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT. BASIS		DETECTION	
Base Neutrals				
N-nitrosodimethylamine	< 0.40	mg/kg	0.4	069700000N
bis (2-chloroethyl) ether	< 0.40	mg/kg	0.4	066700000N
1,3-dichlorobenzene	< 0.40	mg/kg	0.4	067700000N
1,4-dichlorobenzene	< 0.40	mg/kg	0.4	067800000N
1,2-dichlorobenzene	< 0.40	mg/kg	0.4	067600000N
bis (2-chloroisopropyl) ether	< 0.40	mg/kg	0.4	066800000N
hexachloroethane	< 0.40	mg/kg	0.4	069200000N
N-nitrosodi-n-propylamine	< 0.40	mg/kg	0.4	069800000N
nitrobenzene	< 0.40	mg/kg	0.4	069600000N
isophorone	< 0.40	mg/kg	0.4	069400000N
bis (2-chloroethoxy) methane	< 0.40	mg/kg	0.4	066600000N
1,2,4-trichlorobenzene	< 0.40	mg/kg	0.4	070200000N
naphthalene	3.89	mg/kg	0.4	069500000N
hexachlorobutadiene	< 0.40	mg/kg	0.4	069000000N
hexachlorocyclopentadiene	< 0.40	mg/kg	0.4	06910000
2-chloronaphthalene	< 0.40	mg/kg	0.4	067200000N
acenaphthylene	0.61	mg/kg	0.4	065800000N
dimethyl phthalate	< 0.40	mg/kg	0.4	068100000N
2,6-dinitrotoluene	< 0.40	mg/kg	0.4	068400000N
acenaphthene	< 0.40	mg/kg	0.4	065700000N
2,4-dinitrotoluene	< 0.40	mg/kg	0.4	068300000N
fluorene	0.61	mg/kg	0.4	068800000N
4-chlorophenyl phenyl ether	< 0.40	mg/kg	0.4	067300000N
diethyl phthalate	< 0.40	mg/kg	0.4	068000000N
1,2-diphenylhydrazine	< 0.40	mg/kg	0.4	068600000N
N-nitrosodiphenylamine	< 0.40	mg/kg	0.4	069900000N
4-bromophenyl phenyl ether	< 0.40	mg/kg	0.4	067000000N
hexachlorobenzene	< 0.40	mg/kg	0.4	068900000N
phenanthrene	3.08	mg/kg	0.4	070000000N

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ATTN: Vinay Ghanekar

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

American Association for
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Fields of Testing



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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1287205

Date Reported 8/ 2/88
Date Submitted 7/20/88
Discard Date 9/ 2/88
Collected by AL
P.O. 87C2839-6
Rel.

OB-1 Composite Soil Sample
Collected on 07/18/88 at 1400 by AL

	RESULT		LIMIT OF	LAB CODE
	DRY WT.	BASIS	DETECTION	
Base Neutrals (cont)				
anthracene	0.92	mg/kg	0.4	065900000N
di-n-butyl phthalate	< 0.40	mg/kg	0.4	068200000N
fluoranthene	4.42	mg/kg	0.4	068700000N
pyrene	4.88	mg/kg	0.4	070100000N
benzidine	< 1.0	mg/kg	1.	066000000N
butyl benzyl phthalate	< 0.40	mg/kg	0.4	067100000N
benzo (a) anthracene	3.43	mg/kg	0.4	066100000N
chrysene	3.55	mg/kg	0.4	067400000N
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.	067900000N
bis (2-ethylhexyl) phthalate	< 0.40	mg/kg	0.4	066900000N
di-n-octyl phthalate	< 0.40	mg/kg	0.4	068500000N
benzo (b) fluoranthene	6.93	mg/kg	0.4	066300000N
benzo (K) fluoranthene	< 0.40	mg/kg	0.4	066500000N
benzo (a) pyrene	3.08	mg/kg	0.4	066200000N
indeno (1,2,3-cd) pyrene	2.39	mg/kg	0.4	069300000N
dibenzo (a,h) anthracene	0.73	mg/kg	0.4	067500000N
benzo (ghi) perylene	2.19	mg/kg	0.4	066400000N

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

LLI Sample No. SW 1349192

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. SC8-9 Composite Soil Sample
Collected on 01/18/89 at 1400 by JV

ANALYSIS

Moisture

RESULT
AS RECEIVED

12.7 % by wt.

LIMIT OF
QUANTITATION LAB CODE
0.1 011101100

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.

Reactivity

see below

112102000

Reactivity:

The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of cyanide exceeding 250 ppm or sulfide exceeding 500 ppm. These interim threshold limits were established by the Solid Waste Branch of EPA, July 12, 1985.

Sulfide (Reactivity)

< 50.

mg/kg

50.

112204000

Cyanide (Reactivity)

< 100.

mg/kg

100.

112303000

Acid Extractables (Soils)

attached

119817500

Base Neutrals (Soils)

attached

1199300

Base Neutrals cont (Soils)

attached

120000000

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ATTN: Julia P. Via

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Member American Society for Environmental Education
Member American Society for Environmental Management

310 03464 55.00 063100

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS



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ANALYSIS REPORT

Lancaster Laboratories

2425 New Holland Pike, Lancaster, PA 17601-5000 (717) 399-2000

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1349192

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. SC8-9 Composite Soil Sample
Collected on 01/18/89 at 1400 by JV

Acid Extractables (Soils)	RESULT AS RECEIVED	LIMIT OF QUANTITATION	LAB CODE
2-chlorophenol	< 0.33 mg/kg	0.33	118600000N
phenol	< 0.33 mg/kg	0.33	118500000N
2-nitrophenol	< 0.33 mg/kg	0.33	065100000N
2,4-dimethylphenol	< 0.33 mg/kg	0.33	064800000N
2,4-dichlorophenol	< 0.33 mg/kg	0.33	064700000N
2-chloro-3-methylphenol	< 0.33 mg/kg	0.33	119000000N
2,4,6-trichlorophenol	< 0.33 mg/kg	0.33	065600000N
2,4-dinitrophenol	< 0.833 mg/kg	0.833	065000000N
4-nitrophenol	< 0.833 mg/kg	0.833	119200000N
2-methyl-4,6-dinitrophenol	< 0.833 mg/kg	0.833	064900000N
pentachlorophenol	< 0.833 mg/kg	0.833	119400000N

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

Holland Pike, Lancaster, PA 17601-8899 (717) 399-0991

LLI Sample No. SW 1349192

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. SC8-9 Composite Soil Sample
Collected on 01/18/89 at 1400 by JV

	RESULT		LIMIT OF	LAB CODE
	AS RECEIVED		QUANTITATION	
Base Neutrals (Soils)	< 0.33	mg/kg	0.33	069700000N
N-nitrosodimethylamine	< 0.33	mg/kg	0.33	066700000N
bis (2-chloroethyl) ether	< 0.33	mg/kg	0.33	067700000N
1,3-dichlorobenzene	< 0.33	mg/kg	0.33	118700000N
1,4-dichlorobenzene	< 0.33	mg/kg	0.33	067600000N
1,2-dichlorobenzene	< 0.33	mg/kg	0.33	066800000N
bis (2-chloroisopropyl) ether	< 0.33	mg/kg	0.33	069200000N
hexachloroethane	< 0.33	mg/kg	0.33	118800000N
N-nitrosodi-n-propylamine	< 0.33	mg/kg	0.33	069600000N
nitrobenzene	< 0.33	mg/kg	0.33	069400000N
isophorone	< 0.33	mg/kg	0.33	066600000N
bis (2-chloroethoxy) methane	< 0.33	mg/kg	0.33	118900000N
1,2,4-trichlorobenzene	< 0.33	mg/kg	0.33	069500000N
naphthalene	3.67	mg/kg	0.33	069000000N
hexachlorobutadiene	< 0.33	mg/kg	0.33	069100C
hexachlorocyclopentadiene	< 0.33	mg/kg	0.33	067200000N
2-chloronaphthalene	< 0.33	mg/kg	0.33	065800000N
acenaphthylene	1.33	mg/kg	0.33	068100000N
dimethyl phthalate	< 0.33	mg/kg	0.33	068400000N
2,6-dinitrotoluene	< 0.33	mg/kg	0.33	119100000N
acenaphthene	0.37	mg/kg	0.33	119300000N
2,4-dinitrotoluene	< 0.33	mg/kg	0.33	068800000N
fluorene	2.43	mg/kg	0.33	067300000N
4-chlorophenyl phenyl ether	< 0.33	mg/kg	0.33	068000000N
diethyl phthalate	< 0.33	mg/kg	0.33	068600000N
1,2-diphenylhydrazine	< 0.33	mg/kg	0.33	069900000N
N-nitrosodiphenylamine	< 0.33	mg/kg	0.33	067000000N
4-bromophenyl phenyl ether	< 0.33	mg/kg	0.33	068900000N
hexachlorobenzene	< 0.33	mg/kg	0.33	070000000N
phenanthrene	23.0	mg/kg	6.6	

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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

Member Association for
Soil Analysis
of Biological & Environmental
Testing



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ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

3025 New Holland Pike, Lancaster, PA 17601-5204 (717) 658-2311

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1349192

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. SC8-9 Composite Soil Sample
Collected on 01/18/89 at 1400 by JV

	RESULT		LIMIT OF	
	AS RECEIVED		QUANTITATION	LAB CODE
Base Neutrals cont (Soils)				
anthracene	7.0	mg/kg	6.6	065900000N
di-n-butyl phthalate	< 0.33	mg/kg	0.33	068200000N
fluoranthene	31.7	mg/kg	6.6	068700000N
pyrene	24.7	mg/kg	6.6	119500000N
benzidine	< 0.833	mg/kg	0.833	066000000N
butyl benzyl phthalate	< 0.33	mg/kg	0.33	067100000N
benzo (a) anthracene	17.7	mg/kg	6.6	066100000N
chrysene	25.7	mg/kg	6.6	067400000N
3,3'-dichlorobenzidine	< 0.833	mg/kg	0.833	067900000N
bis (2-ethylhexyl) phthalate	< 0.33	mg/kg	0.33	066900000N
di-n-octyl phthalate	< 0.33	mg/kg	0.33	068500000N
benzo (b) fluoranthene	22.0	mg/kg	6.6	066300000N
benzo (K) fluoranthene	< 0.33	mg/kg	0.33	066500000N
benzo (a) pyrene	11.0	mg/kg	6.6	066200000N
indeno (1,2,3-cd) pyrene	7.0	mg/kg	6.6	069300000N
dibenzo (a,h) anthracene	2.13	mg/kg	0.33	067500000N
benzo (ghi) perylene	8.7	mg/kg	6.6	066400000N

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of the
American Society of
Environmental
Engineers



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Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

Member American Society of
Independent Laboratories, Inc.

ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

2400 New Holland Pike, Lancaster, PA 17601-8999 (717) 399-9200

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. TL 1349194

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

EP Toxicity Leachate of Philadelphia Coke Co.
SC8-9 Composite Soil Sample
Collected on 01/18/89 at 1400 by JV

ANALYSIS	RESULT AS RECEIVED	LIMIT OF QUANTITATION	LAB CODE
Barium	0.2 mg/l	0.1	024601300
Cadmium	0.009 mg/l	0.005	024901300
Chromium	< 0.05 mg/l	0.05	025101300
Lead	0.06 mg/l	0.05	025501300
Mercury	< 0.0005 mg/l	0.0005	025902500
Selenium	< 0.02 mg/l	0.02	026402500
Silver	< 0.01 mg/l	0.01	026601300
Arsenic	< 0.05 mg/l	0.05	133501300

The above analyses were performed on an EP Toxicity leachate of the submitted waste prepared according to the procedure specified in Federal Register May 19 1980 p. 33127.

A sample is considered EP Toxic if any of the contaminant concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0, Barium 100.0, Cadmium 1.0, Chromium 5.0, Lead 5.0,
Mercury 0.2, Selenium 1.0, Silver 5.0, Endrin 0.02, Lindane 0.4,
Methoxychlor 10.0, Toxaphene 0.5, 2,4-D 10.0, 2,4,5-TP 1.0.

Based on the determinations performed, the submitted sample DOES NOT exhibit the characteristic of EP Toxicity as defined in Section 261.24 Federal Register 1980 p. 33122.

1 COPY TO Woodward Clyde Consultants ATTN: Julia P. Via

310 03464 150.00 027800

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

American Association for
Accreditation
of Biological & Environmental
Testing



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Independent Laboratories, Inc.

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Of Symbols And Abbreviations And
Our Standard Terms And Conditions

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

200 West Holland Pike, Lancaster, PA 17601-8000 (717) 399-8000

LLI Sample No. SV 1349192

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. SC8-9 Composite Soil Sample
Collected on 01/18/89 at 1400 by JV

ANALYSIS

Acid Extractables (Soils)
Base Neutrals (Soils)
Base Neutrals cont (Soils)

RESULT DRY WT. BASIS

attached
attached
attached

LIMIT OF
QUANTITATION LAB CODE
119800000
119930000
120000000

1 COPY TO Woodward Clyde Consultants

ATTN: Julia P. Via

Member Association for
the Accreditation
of Biological & Environmental
Testing



See Reverse Side For Explanation
Of Symbols And Abbreviations And
Our Standard Terms And Conditions

Respectfully Submitted
Lancaster Laboratories, Inc.
Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

ANALYSIS REPORT

Lancaster Laboratories

INCORPORATED

1000 North Holland Pike, Lancaster, PA 17601-2000 (717) 399-1000

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SW 1349192

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. SC8-9 Composite Soil Sample
Collected on 01/18/89 at 1400 by JV

Acid Extractables (Soils)

	RESULT		LIMIT OF	
	DRY WT.	BASIS	QUANTITATION	LAB CODE
2-chlorophenol	< 0.40	mg/kg	0.4	118600000N
phenol	< 0.40	mg/kg	0.4	118500000N
2-nitrophenol	< 0.40	mg/kg	0.4	065100000N
2,4-dimethylphenol	< 0.40	mg/kg	0.4	064800000N
2,4-dichlorophenol	< 0.40	mg/kg	0.4	064700000N
4-chloro-3-methylphenol	< 0.40	mg/kg	0.4	119000000N
2,4,6-trichlorophenol	< 0.40	mg/kg	0.4	065600000N
2,4-dinitrophenol	< 1.0	mg/kg	1.	065000000N
4-nitrophenol	< 1.0	mg/kg	1.	119200000N
2-methyl-4,6-dinitrophenol	< 1.0	mg/kg	1.	064900000N
pentachlorophenol	< 1.0	mg/kg	1.	119400000N

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Richard S. Rodgers, B.S.
Group Leader, GC/MS

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the Accreditation of
Biological & Environmental
Processing



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Of Symbols And Abbreviations And
Our Standard Terms And Conditions

Member American Society for
Testing and Materials, Inc.

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

2000 North Hafford Pike, Lancaster, PA 17601-1000 (610) 391-1000

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

LLI Sample No. SV 1349192

Date Reported 2/10/89
Date Submitted 1/18/89
Discard Date 3/13/89
Collected by JV
P.O. 87C2839A
Rel.

Philadelphia Coke Co. SC8-9 Composite Soil Sample
Collected on 01/18/89 at 1400 by JV

	RESULT		LIMIT OF	
	DRY WT.	BASIS	QUANTITATION	LAB CODE
Base Neutrals (Soils)	< 0.40	mg/kg	0.4	069700000N
N-nitrosodimethylamine	< 0.40	mg/kg	0.4	066700000N
bis (2-chloroethyl) ether	< 0.40	mg/kg	0.4	067700000N
1,3-dichlorobenzene	< 0.40	mg/kg	0.4	118700000N
1,4-dichlorobenzene	< 0.40	mg/kg	0.4	067600000N
1,2-dichlorobenzene	< 0.40	mg/kg	0.4	066800000N
bis (2-chloroisopropyl) ether	< 0.40	mg/kg	0.4	069200000N
hexachloroethane	< 0.40	mg/kg	0.4	118800000N
N-nitrosodi-n-propylamine	< 0.40	mg/kg	0.4	069600000N
nitrobenzene	< 0.40	mg/kg	0.4	069400000N
isophorone	< 0.40	mg/kg	0.4	069400000N
bis (2-chloroethoxy) methane	< 0.40	mg/kg	0.4	066600000N
1,2,4-trichlorobenzene	< 0.40	mg/kg	0.4	118900000N
naphthalene	4.20	mg/kg	0.4	069500000N
hexachlorobutadiene	< 0.40	mg/kg	0.4	069000000N
hexachlorocyclopentadiene	< 0.40	mg/kg	0.4	069100000N
2-chloronaphthalene	< 0.40	mg/kg	0.4	067200000N
acenaphthylene	1.52	mg/kg	0.4	065800000N
dimethyl phthalate	< 0.40	mg/kg	0.4	068100000N
2,6-dinitrotoluene	< 0.40	mg/kg	0.4	068400000N
acenaphthene	0.42	mg/kg	0.4	119100000N
2,4-dinitrotoluene	< 0.40	mg/kg	0.4	119300000N
fluorene	2.78	mg/kg	0.4	068800000N
4-chlorophenyl phenyl ether	< 0.40	mg/kg	0.4	067300000N
diethyl phthalate	< 0.40	mg/kg	0.4	068000000N
1,2-diphenylhydrazine	< 0.40	mg/kg	0.4	068600000N
N-nitrosodiphenylamine	< 0.40	mg/kg	0.4	069900000N
4-bromophenyl phenyl ether	< 0.40	mg/kg	0.4	067000000N
hexachlorobenzene	< 0.40	mg/kg	0.4	068900000N
phenanthrene	26.3	mg/kg	8.	070000000N

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Reviewed and Approved by:

Richard S. Rodgers, B.S.
Group Leader, GC/MS

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Testing



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Of Symbols And Abbreviations And
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Member American Society for
Testing and Materials (ASTM)

ANALYSIS REPORT

Lancaster Laboratories INCORPORATED

LLI Sample No. SV 1349192

Woodward Clyde Consultants
5120 Butler Pike
Plymouth Mtg., PA 19462-1202

Date Reported 2/10/89
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Rel.

Philadelphia Coke Co. 3C8-9 Composite Soil Sample
Collected on 01/18/89 at 1400 by JV

	RESULT		LIMIT OF	
	DRY WT. BASIS		QUANTITATION	LAB CODE
Base Neutrals cont (Soils)				
anthracene	8.0	mg/kg	8.	065900000N
di-n-butyl phthalate	< 0.40	mg/kg	0.4	068200000N
fluoranthene	36.3	mg/kg	8.	068700000N
pyrene	28.3	mg/kg	8.	119500000N
benzidine	< 1.0	mg/kg	1.	066000000N
butyl benzyl phthalate	< 0.40	mg/kg	0.4	067100000N
benzo (a) anthracene	20.3	mg/kg	8.	066100000N
chrysene	29.4	mg/kg	8.	067400000N
3,3'-dichlorobenzidine	< 1.0	mg/kg	1.	067900000N
bis (2-ethylhexyl) phthalate	< 0.40	mg/kg	0.4	066900000N
di-n-octyl phthalate	< 0.40	mg/kg	0.4	068500000N
benzo (b) fluoranthene	25.2	mg/kg	8.	066300000N
benzo (K) fluoranthene	< 0.40	mg/kg	0.4	066500000N
benzo (a) pyrene	12.6	mg/kg	8.	066200000N
indeno (1,2,3-cd) pyrene	8.0	mg/kg	8.	069300000N
dibenzo (a,h) anthracene	2.44	mg/kg	0.4	067500000N
benzo (ghi) perylene	10.0	mg/kg	8.	066400000N

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Richard S. Rodgers, B.S.
Group Leader, GC/MS

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Member of the American Association for
Dr. Accreditation in Biological & Environmental
Testing

APPENDIX E

ENGINEER'S AND OWNER'S CERTIFICATION OF CLOSURE FORMS

APPENDIX E-1
Tar Storage Tanks

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, James V. Husted, a Professional Engineer registered pursuant to the Professional Engineers Registration Law, 63 P.S. SS148 et seq., hereby certify that I have reviewed the Closure Plan for the Tar Storage Tanks, a Waste Management Unit (WMU) at the Philadelphia Coke Company, located at 4501 Richmond Street, Philadelphia, Pennsylvania, that I am familiar with the rules and regulations of the Pennsylvania Department of Environmental Resources pertaining to closure of such WMU, that I personally have made visual inspection(s) of the aforementioned WMU, and that, to the best of my knowledge, information and belief, the closure of the aforementioned WMU has been performed in accordance with the facility's closure plan approved in writing by the Pennsylvania Department of Environmental Resources on December 13, 1983 and the rules and regulations of the Department, codified at 25 PA Code Chapters 260-270. The December 1992 Closure Certification Report of Woodward-Clyde Consultants regarding such closure is incorporated herein by reference.

James V. Husted
(Signature)

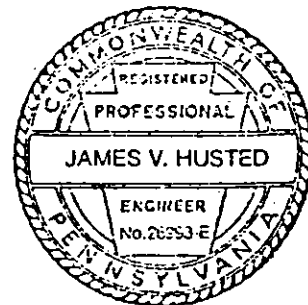
12/18/92
(Date)

PE-026993-E
(Professional Engineering License Number)

Woodward-Clyde Consultants
5120 Butler Pike, Plymouth Meeting, PA
(Business Address)

(215) 825-3000
(Telephone Number)

(Seal)



OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, Philadelphia Coke Company, a corporation incorporated under the laws of the State of Delaware and licensed to do business in Pennsylvania, with its principal place of business c/o Eastern Enterprises, 9 Riverside Road, Weston, Massachusetts 02193, which formerly owned or operated a hazardous waste management unit (hereinafter "HWMU") known as tar storage tanks and located at Philadelphia Coke Company, 4501 Richmond Street, Philadelphia, Pennsylvania, in Philadelphia County, Pennsylvania, has completed and permanently ceased the active operation of the HWMU and has fully implemented all measures relating to the closure of the HWMU as set forth in the Closure Plan approved by the Pennsylvania Department of Environmental Resources.

NOW, THEREFORE, the undersigned, Philadelphia Coke Company hereby swears and affirms to the best of our knowledge and belief that the above-named HWMU has been closed in accordance with the facility's Closure Plan approved in writing by the Department on December 13, 1983, that all measures relating to the closure of the facility required by the Closure Plan and the rules and regulations of the Department codified at 25 PA Code Chapters 260-270 have been fully implemented, and that no violations continue to exist that may have arisen prior to closure.

[Handwritten Signature]
(Signature)
TREASURER
(Title)

c/o Eastern Enterprises
9 Riverside Road, Weston, MA 02193
(Address)

Taken, sworn and subscribed before me, this
21st day of December, A.D. 1992

[Handwritten Signature]
(Notary)

MICHAEL J. CAWLEY, Notary Public
My Commission Expires July 8, 1994

APPENDIX E-2

Waste Liquor Pit

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, James V. Husted, a Professional Engineer registered pursuant to the Professional Engineers Registration Law, 63 P.S. SS148 et seq., hereby certify that I have reviewed the Closure Plan for the Waste Liquor Pit, a Waste Management Unit (WMU) at the Philadelphia Coke Company, located at 4501 Richmond Street, Philadelphia, Pennsylvania, that I am familiar with the rules and regulations of the Pennsylvania Department of Environmental Resources pertaining to closure of such WMU; that I personally have made visual inspection(s) of the aforementioned WMU, and that, to the best of my knowledge, information and belief, the closure of the aforementioned WMU has been performed in accordance with the facility's closure plan approved in writing by the Pennsylvania Department of Environmental Resources on December 13, 1983 and the rules and regulations of the Department, codified at 25 PA Code Chapters 260-270. The December 1992 Closure Certification Report of Woodward-Clyde Consultants regarding such closure is incorporated herein by reference.

James V. Husted
(Signature)

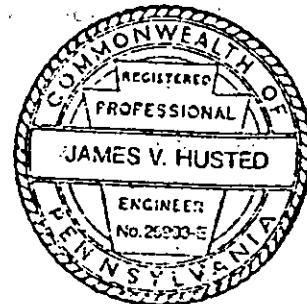
12/18/92
(Date)

PE-026993-E
(Professional Engineering License Number)

Woodward-Clyde Consultants
5120 Butler Pike, Plymouth Meeting, PA
(Business Address)

(215) 825-3000
(Telephone Number)

(Seal)



OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, Philadelphia Coke Company, a corporation incorporated under the laws of the State of Delaware and licensed to do business in Pennsylvania, with its principal place of business c/o Eastern Enterprises, 9 Riverside Road, Weston, Massachusetts 02193, which formerly owned or operated a hazardous waste management unit (hereinafter "HWMU") known as waste liquor pit and located at Philadelphia Coke Company, 4501 Richmond Street, Philadelphia, Pennsylvania, in Philadelphia County, Pennsylvania, has completed and permanently ceased the active operation of the HWMU and has fully implemented all measures relating to the closure of the HWMU as set forth in the Closure Plan approved by the Pennsylvania Department of Environmental Resources.

NOW, THEREFORE, the undersigned, Philadelphia Coke Company hereby swears and affirms to the best of our knowledge and belief that the above-named HWMU has been closed in accordance with the facility's Closure Plan approved in writing by the Department on December 13, 1983, that all measures relating to the closure of the facility required by the Closure Plan and the rules and regulations of the Department codified at 25 PA Code Chapters 260-270 have been fully implemented, and that no violations continue to exist that may have arisen prior to closure.

Sam Flynn
(Signature)
TREASURER
(Title)

c/o Eastern Enterprises
9 Riverside Road, Weston, MA 02193
(Address)

Taken, sworn and subscribed before me, this
21st day of December, A.D. 1992

Michael J. Cawley
(Notary)

MICHAEL J. CAWLEY, Notary Public
My Commission Expires July 8, 1994

APPENDIX E-3

Trash Pile

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, James V. Husted, a Professional Engineer registered pursuant to the Professional Engineers Registration Law, 63 P.S. SS148 et seq., hereby certify that I have reviewed the Closure Plan for the Trash Pile, a Waste Management Unit (WMU) at the Philadelphia Coke Company, located at 4501 Richmond Street, Philadelphia, Pennsylvania, that I am familiar with the rules and regulations of the Pennsylvania Department of Environmental Resources pertaining to closure of such WMU, that I personally have made visual inspection(s) of the aforementioned WMU, and that, to the best of my knowledge, information and belief, the closure of the aforementioned WMU has been performed in accordance with the facility's closure plan approved in writing by the Pennsylvania Department of Environmental Resources on December 13, 1983 and the rules and regulations of the Department, codified at 25 PA Code Chapters 260-270. The December 1992 Closure Certification Report of Woodward-Clyde Consultants regarding such closure is incorporated herein by reference.

James V. Husted
(Signature)

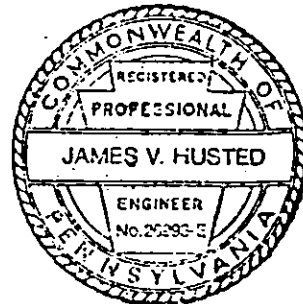
12/18/92
(Date)

PE-026993-E
(Professional Engineering License Number)

Woodward-Clyde Consultants
5120 Butler Pike, Plymouth Meeting, PA
(Business Address)

(215) 825-3000
(Telephone Number)

(Seal)



OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, Philadelphia Coke Company, a corporation incorporated under the laws of the State of Delaware and licensed to do business in Pennsylvania, with its principal place of business c/o Eastern Enterprises, 9 Riverside Road, Weston, Massachusetts 02193, which formerly owned or operated a hazardous waste management unit (hereinafter "HWMU") known as trash pile and located at Philadelphia Coke Company, 4501 Richmond Street, Philadelphia, Pennsylvania, in Philadelphia County, Pennsylvania, has completed and permanently ceased the active operation of the HWMU and has fully implemented all measures relating to the closure of the HWMU as set forth in the Closure Plan approved by the Pennsylvania Department of Environmental Resources.

NOW, THEREFORE, the undersigned, Philadelphia Coke Company hereby swears and affirms to the best of our knowledge and belief that the above-named HWMU has been closed in accordance with the facility's Closure Plan approved in writing by the Department on December 13, 1983, that all measures relating to the closure of the facility required by the Closure Plan and the rules and regulations of the Department codified at 25 PA Code Chapters 260-270 have been fully implemented, and that no violations continue to exist that may have arisen prior to closure.

Sam F. Hays
(Signature)
TREASURER
(Title)

c/o Eastern Enterprises
9 Riverside Road, Weston, MA 02193
(Address)

Taken, sworn and subscribed before me, this
21st day of December, A.D. 1992

Michael J. Cawley
(Notary)

MICHAEL J. CAWLEY, Notary Public
My Commission Expires July 2, 1994

APPENDIX E-4

Tar Plains

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, James V. Husted, a Professional Engineer registered pursuant to the Professional Engineers Registration Law, 63 P.S. SS148 et seq., hereby certify that I have reviewed the Closure Plan for the Tar Plains, a Waste Management Unit (WMU) at the Philadelphia Coke Company, located at 4501 Richmond Street, Philadelphia, Pennsylvania, that I am familiar with the rules and regulations of the Pennsylvania Department of Environmental Resources pertaining to closure of such WMU, that I personally have made visual inspection(s) of the aforementioned WMU, and that, to the best of my knowledge, information and belief, the closure of the aforementioned WMU has been performed in accordance with the facility's closure plan approved in writing by the Pennsylvania Department of Environmental Resources on December 13, 1983 and the rules and regulations of the Department, codified at 25 PA Code Chapters 260-270. The December 1992 Closure Certification Report of Woodward-Clyde Consultants regarding such closure is incorporated herein by reference.

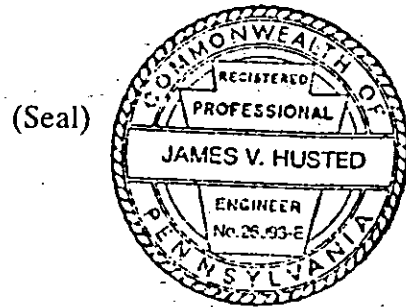
James V. Husted
(Signature)

12/18/92
(Date)

PE-026993-E
(Professional Engineering License Number)

Woodward-Clyde Consultants
5120 Butler Pike, Plymouth Meeting, PA
(Business Address)

(215) 825-3000
(Telephone Number)



OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, Philadelphia Coke Company, a corporation incorporated under the laws of the State of Delaware and licensed to do business in Pennsylvania, with its principal place of business c/o Eastern Enterprises, 9 Riverside Road, Weston, Massachusetts 02193, which formerly owned or operated a hazardous waste management unit (hereinafter "HWMU") known as tar plains and located at Philadelphia Coke Company, 4501 Richmond Street, Philadelphia, Pennsylvania, in Philadelphia County, Pennsylvania, has completed and permanently ceased the active operation of the HWMU and has fully implemented all measures relating to the closure of the HWMU as set forth in the Closure Plan approved by the Pennsylvania Department of Environmental Resources.

NOW, THEREFORE, the undersigned, Philadelphia Coke Company hereby swears and affirms to the best of our knowledge and belief that the above-named HWMU has been closed in accordance with the facility's Closure Plan approved in writing by the Department on December 13, 1983, that all measures relating to the closure of the facility required by the Closure Plan and the rules and regulations of the Department codified at 25 PA Code Chapters 260-270 have been fully implemented, and that no violations continue to exist that may have arisen prior to closure.

James J. Harty
(Signature)
TREASURER
(Title)

c/o Eastern Enterprises
9 Riverside Road, Weston, MA 02193
(Address)

Taken, sworn and subscribed before me, this
21st day of Dec, A.D. 19 92

Michael J. Cawley
(Notary)

MICHAEL J. CAWLEY, Notary Public
My Commission Expires July 8, 1994

APPENDIX E-5

Clean Oxide

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, James V. Husted, a Professional Engineer registered pursuant to the Professional Engineers Registration Law, 63 P.S. SS148 et seq., hereby certify that I have reviewed the Closure Plan for the Wood Trays, a Waste Management Unit (WMU) at the Philadelphia Coke Company, located at 4501 Richmond Street, Philadelphia, Pennsylvania, that I am familiar with the rules and regulations of the Pennsylvania Department of Environmental Resources pertaining to closure of such WMU, that I personally have made visual inspection(s) of the aforementioned WMU, and that, to the best of my knowledge, information and belief, the closure of the aforementioned WMU has been performed in accordance with the facility's closure plan approved in writing by the Pennsylvania Department of Environmental Resources on December 13, 1983 and the rules and regulations of the Department, codified at 25 PA Code Chapters 260-270. The December 1992 Closure Certification Report of Woodward-Clyde Consultants regarding such closure is incorporated herein by reference.

James V. Husted
(Signature)

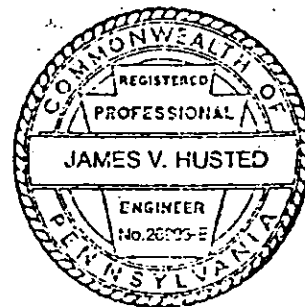
12/18/92
(Date)

PE-026993-E
(Professional Engineering License Number)

Woodward-Clyde Consultants
5120 Butler Pike, Plymouth Meeting, PA
(Business Address)

(215) 825-3000
(Telephone Number)

(Seal)



OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, Philadelphia Coke Company, a corporation incorporated under the laws of the State of Delaware and licensed to do business in Pennsylvania, with its principal place of business c/o Eastern Enterprises, 9 Riverside Road, Weston, Massachusetts 02193, which formerly owned or operated a hazardous waste management unit (hereinafter "HWMU") known as wood trays and located at Philadelphia Coke Company, 4501 Richmond Street, Philadelphia, Pennsylvania, in Philadelphia County, Pennsylvania, has completed and permanently ceased the active operation of the HWMU and has fully implemented all measures relating to the closure of the HWMU as set forth in the Closure Plan approved by the Pennsylvania Department of Environmental Resources.

NOW, THEREFORE, the undersigned, Philadelphia Coke Company hereby swears and affirms to the best of our knowledge and belief that the above-named HWMU has been closed in accordance with the facility's Closure Plan approved in writing by the Department on December 13, 1983, that all measures relating to the closure of the facility required by the Closure Plan and the rules and regulations of the Department codified at 25 PA Code Chapters 260-270 have been fully implemented, and that no violations continue to exist that may have arisen prior to closure.

James H. [Signature]
(Signature)
TREASURER
(Title)

c/o Eastern Enterprises
9 Riverside Road, Weston, MA 02193
(Address)

Taken, sworn and subscribed before me, this
21st day of December, A.D. 1992

Michael J. Cawley
(Notary)

MICHAEL J. CAWLEY, Notary Public
My Commission Expires July 8, 1994

APPENDIX E-6

Wood Trays

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, James V. Husted, a Professional Engineer registered pursuant to the Professional Engineers Registration Law, 63 P.S. SS148 et seq., hereby certify that I have reviewed the Closure Plan for the Clean Oxide, a Waste Management Unit (WMU) at the Philadelphia Coke Company, located at 4501 Richmond Street, Philadelphia, Pennsylvania, that I am familiar with the rules and regulations of the Pennsylvania Department of Environmental Resources pertaining to closure of such WMU, that I personally have made visual inspection(s) of the aforementioned WMU, and that, to the best of my knowledge, information and belief, the closure of the aforementioned WMU has been performed in accordance with the facility's closure plan approved in writing by the Pennsylvania Department of Environmental Resources on December 13, 1983 and the rules and regulations of the Department, codified at 25 PA Code Chapters 260-270. The December 1992 Closure Certification Report of Woodward-Clyde Consultants regarding such closure is incorporated herein by reference.

James V. Husted
(Signature)

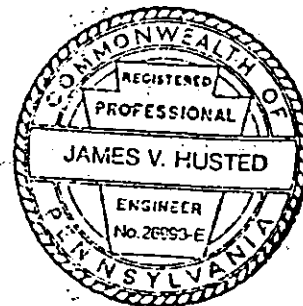
12/18/92
(Date)

PE-026993-E
(Professional Engineering License Number)

Woodward-Clyde Consultants
5120 Butler Pike, Plymouth Meeting, PA
(Business Address)

(215) 825-3000
(Telephone Number)

(Seal)



OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, Philadelphia Coke Company, a corporation incorporated under the laws of the State of Delaware and licensed to do business in Pennsylvania, with its principal place of business c/o Eastern Enterprises, 9 Riverside Road, Weston, Massachusetts 02193, which formerly owned or operated a hazardous waste management unit (hereinafter "HWMU") known as clean oxide and located at Philadelphia Coke Company, 4501 Richmond Street, Philadelphia, Pennsylvania, in Philadelphia County, Pennsylvania, has completed and permanently ceased the active operation of the HWMU and has fully implemented all measures relating to the closure of the HWMU as set forth in the Closure Plan approved by the Pennsylvania Department of Environmental Resources.

NOW, THEREFORE, the undersigned, Philadelphia Coke Company hereby swears and affirms to the best of our knowledge and belief that the above-named HWMU has been closed in accordance with the facility's Closure Plan approved in writing by the Department on December 13, 1983, that all measures relating to the closure of the facility required by the Closure Plan and the rules and regulations of the Department codified at 25 PA Code Chapters 260-270 have been fully implemented, and that no violations continue to exist that may have arisen prior to closure.

James J. Haney
(Signature)
TREASURER
(Title)

c/o Eastern Enterprises
9 Riverside Road, Weston, MA 02193
(Address)

Taken, sworn and subscribed before me, this
21st day of December, A.D. 1992

Michael J. Cawley
(Notary)

MICHAEL J. CAWLEY, Notary Public
My Commission Expires July 8, 1994

APPENDIX E-7

Tar Decanters

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, James V. Husted, a Professional Engineer registered pursuant to the Professional Engineers Registration Law, 63 P.S. SS148 et seq., hereby certify that I have reviewed the Closure Plan for the Tar Decanters, a Waste Management Unit (WMU) at the Philadelphia Coke Company, located at 4501 Richmond Street, Philadelphia, Pennsylvania, that I am familiar with the rules and regulations of the Pennsylvania Department of Environmental Resources pertaining to closure of such WMU, that I personally have made visual inspection(s) of the aforementioned WMU, and that, to the best of my knowledge, information and belief, the closure of the aforementioned WMU has been performed in accordance with the facility's closure plan approved in writing by the Pennsylvania Department of Environmental Resources on December 13, 1983 and the rules and regulations of the Department, codified at 25 PA Code Chapters 260-270. The December 1992 Closure Certification Report of Woodward-Clyde Consultants regarding such closure is incorporated herein by reference.

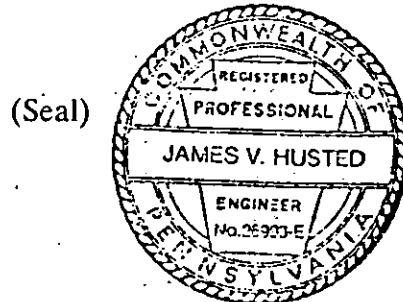
James V. Husted
(Signature)

12/18/92
(Date)

PE-026993-E
(Professional Engineering License Number)

Woodward-Clyde Consultants
5120 Butler Pike, Plymouth Meeting, PA
(Business Address)

(215) 825-3000
(Telephone Number)



OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, Philadelphia Coke Company, a corporation incorporated under the laws of the State of Delaware and licensed to do business in Pennsylvania, with its principal place of business c/o Eastern Enterprises, 9 Riverside Road, Weston, Massachusetts 02193, which formerly owned or operated a hazardous waste management unit (hereinafter "HWMU") known as tar decanters and located at Philadelphia Coke Company, 4501 Richmond Street, Philadelphia, Pennsylvania, in Philadelphia County, Pennsylvania, has completed and permanently ceased the active operation of the HWMU and has fully implemented all measures relating to the closure of the HWMU as set forth in the Closure Plan approved by the Pennsylvania Department of Environmental Resources.

NOW, THEREFORE, the undersigned, Philadelphia Coke Company hereby swears and affirms to the best of our knowledge and belief that the above-named HWMU has been closed in accordance with the facility's Closure Plan approved in writing by the Department on December 13, 1983, that all measures relating to the closure of the facility required by the Closure Plan and the rules and regulations of the Department codified at 25 PA Code Chapters 260-270 have been fully implemented, and that no violations continue to exist that may have arisen prior to closure.

James J. Hany
(Signature)
TREASURER
(Title)

c/o Eastern Enterprises
9 Riverside Road, Weston, MA 02193
(Address)

Taken, sworn and subscribed before me, this
21st day of December, A.D. 1992

Michael J. Cawley
(Notary)

MICHAEL J. CAWLEY, Notary Public
My Commission Expires July 8, 1994

APPENDIX E-8

Iron Oxide Boxes and Pile

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, James V. Husted, a Professional Engineer registered pursuant to the Professional Engineers Registration Law, 63 P.S. SS148 et seq., hereby certify that I have reviewed the Closure Plan for the Iron Oxide Boxes and Pile, a Waste Management Unit (WMU) at the Philadelphia Coke Company, located at 4501 Richmond Street, Philadelphia, Pennsylvania, that I am familiar with the rules and regulations of the Pennsylvania Department of Environmental Resources pertaining to closure of such WMU, that I personally have made visual inspection(s) of the aforementioned WMU, and that, to the best of my knowledge, information and belief, the closure of the aforementioned WMU has been performed in accordance with the facility's closure plan approved in writing by the Pennsylvania Department of Environmental Resources on December 13, 1983 and the rules and regulations of the Department, codified at 25 PA Code Chapters 260-270. The December 1992 Closure Certification Report of Woodward-Clyde Consultants regarding such closure is incorporated herein by reference.

James V. Husted
(Signature)

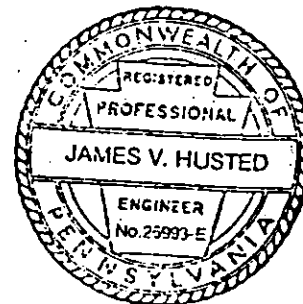
12/18/92
(Date)

PE-026993-E
(Professional Engineering License Number)

Woodward-Clyde Consultants
5120 Butler Pike, Plymouth Meeting, PA
(Business Address)

(215) 825-3000
(Telephone Number)

(Seal)



OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, Philadelphia Coke Company, a corporation incorporated under the laws of the State of Delaware and licensed to do business in Pennsylvania, with its principal place of business c/o Eastern Enterprises, 9 Riverside Road, Weston, Massachusetts 02193, which formerly owned or operated a hazardous waste management unit (hereinafter "HWMU") known as oxide boxes and pile and located at Philadelphia Coke Company, 4501 Richmond Street, Philadelphia, Pennsylvania, in Philadelphia County, Pennsylvania, has completed and permanently ceased the active operation of the HWMU and has fully implemented all measures relating to the closure of the HWMU as set forth in the Closure Plan approved by the Pennsylvania Department of Environmental Resources.

NOW, THEREFORE, the undersigned, Philadelphia Coke Company hereby swears and affirms to the best of our knowledge and belief that the above-named HWMU has been closed in accordance with the facility's Closure Plan approved in writing by the Department on December 13, 1983, that all measures relating to the closure of the facility required by the Closure Plan and the rules and regulations of the Department codified at 25 PA Code Chapters 260-270 have been fully implemented, and that no violations continue to exist that may have arisen prior to closure.

James J. Hays
(Signature)
TREASURER
(Title)

c/o Eastern Enterprises
9 Riverside Road, Weston, MA 02193
(Address)

Taken, sworn and subscribed before me, this
21st day of December, A.D. 1992

Michael J. Cawley
(Notary)

MICHAEL J. CAWLEY, Notary Public
My Commission Expires July 6, 1994

APPENDIX E-9

Process Piping Throughout Site

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, James V. Husted, a Professional Engineer registered pursuant to the Professional Engineers Registration Law, 63 P.S. SS148 et seq., hereby certify that I have reviewed the Closure Plan for the Process Piping Throughout Site, a Waste Management Unit (WMU) at the Philadelphia Coke Company, located at 4501 Richmond Street, Philadelphia, Pennsylvania, that I am familiar with the rules and regulations of the Pennsylvania Department of Environmental Resources pertaining to closure of such WMU, that I personally have made visual inspection(s) of the aforementioned WMU, and that, to the best of my knowledge, information and belief, the closure of the aforementioned WMU has been performed in accordance with the facility's closure plan approved in writing by the Pennsylvania Department of Environmental Resources on December 13, 1983 and the rules and regulations of the Department, codified at 25 PA Code Chapters 260-270. The December 1992 Closure Certification Report of Woodward-Clyde Consultants regarding such closure is incorporated herein by reference.

James V. Husted
(Signature)

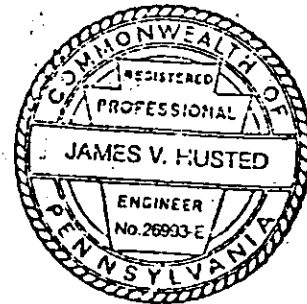
12/18/92
(Date)

PE-026993-E
(Professional Engineering License Number)

Woodward-Clyde Consultants
5120 Butler Pike, Plymouth Meeting, PA
(Business Address)

(215) 825-3000
(Telephone Number)

(Seal)



OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, Philadelphia Coke Company, a corporation incorporated under the laws of the State of Delaware and licensed to do business in Pennsylvania, with its principal place of business c/o Eastern Enterprises, 9 Riverside Road, Weston, Massachusetts 02193, which formerly owned or operated a hazardous waste management unit (hereinafter "HWMU") known as process piping throughout site and located at Philadelphia Coke Company, 4501 Richmond Street, Philadelphia, Pennsylvania, in Philadelphia County, Pennsylvania, has completed and permanently ceased the active operation of the HWMU and has fully implemented all measures relating to the closure of the HWMU as set forth in the Closure Plan approved by the Pennsylvania Department of Environmental Resources.

NOW, THEREFORE, the undersigned, Philadelphia Coke Company hereby swears and affirms to the best of our knowledge and belief that the above-named HWMU has been closed in accordance with the facility's Closure Plan approved in writing by the Department on December 13, 1983, that all measures relating to the closure of the facility required by the Closure Plan and the rules and regulations of the Department codified at 25 PA Code Chapters 260-270 have been fully implemented, and that no violations continue to exist that may have arisen prior to closure.

James P. Hays
(Signature)
TREASURER
(Title)

c/o Eastern Enterprises
9 Riverside Road, Weston, MA 02193
(Address)

Taken, sworn and subscribed before me, this
21st day of December, A.D. 1992

Michael J. Cawley
(Notary)

MICHAEL J. CAWLEY, Notary Public
My Commission Expires July 8, 1994

APPENDIX F
GROUNDWATER QUALITY DATABASE

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-6-81)

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10
PHENANTHRENE	ug/l	<5	13.00	<5	<5	<10	<10	<10	<10
ANTHRACENE	ug/l	<5	<5	10.30	<5	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10
FLUORANTHENE	ug/l	<5	<5	21.00	<5	<10	<10	<10	<10
BENZIDINE	ug/l	<100	<100	<100	<100	<20	<10	<10	<10
PYRENE	ug/l	<5	9.50	11.00	<5	<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	14.00	<10	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<10	<10	<10	<10	<20	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<5	8.70	<5	<5	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
BENZOBIFLUORANTHENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10
BENZOKIFLUORANTHENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10
BENZODIAPYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
BROMOMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
VINYL CHLORIDE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
CHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
METHYLENE CHLORIDE	ug/l	<1.0	<1.0	9.20	<1.0	4.40	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100	<100	<100	<80	<10	<10
ACRYLONITRILE	ug/l	<25	<25	<25	<25	<25	<80	<10	<10
TRANS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
CHLOROFORM	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TRICHLOROETHENE	ug/l	<0.2	<0.2	<0.2	<0.2	<0.2	<5	<5	<5
BENZENE	ug/l	<1.0	1.30	<1.0	<1.0	<1.0	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
BROMOFORM	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TOLUENE	ug/l	<0.2	0.20	<0.2	7.70	<0.2	<5	<5	<5
CHLOROBENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
ETHYLBENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-6-81)

PARAMETER	UNITS	4/18/87	7/17/87	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89
ALKALINITY, TOTAL	mg/l	24.70	11.00	19.80	<10.0		67.20	5.00	25.00
AMMONIA NITROGEN	mg/l	85.10	107.00	122.00	72.80		161.00	20.70	11.40
TOTAL COLIFORM	cfu/100 m	<2	<1	18.00	50.00		<10	(3) <10	<2.2
BIOCHEMICAL OXYGEN DEMAND	mg/l	1.80	0.30	0.40	0.80		0.80	<8	<12
TOTAL ORGANIC CARBON	mg/l	3.70	3.00	2.20	2.10		0.90	3.30	3.10
CHEMICAL OXYGEN DEMAND	mg/l	28.80	11.00	22.80	<10.0		26.00	<50	<50
CHLORIDE	mg/l			<10.0	10.80		57.80	32.00	21.00
CYANIDE, TOTAL	mg/l	<0.005	<0.005	<0.005	<0.005		<0.009	<0.005	<0.005
FLUORIDE	mg/l	0.56	1.48	1.52	1.00		0.82	0.90	0.50
ALUMINUM, DISSOLVED	mg/l								
ARSENIC, DISSOLVED	mg/l							<0.01	<0.01
BARIUM, DISSOLVED	mg/l							<0.1	<0.1
CADMIUM, DISSOLVED	mg/l							0.02	0.01
CHROMIUM, DISSOLVED	mg/l	<0.001	0.00	0.01	0.04		<0.002	<0.05	<0.05
IRON, DISSOLVED	mg/l	0.18	0.15	0.50	0.80		0.70		
LEAD, DISSOLVED	mg/l							0.05	<0.05
MANGANESE, DISSOLVED	mg/l	5.20	8.00	8.80			3.80		
MERCURY, DISSOLVED	mg/l							<0.0005	<0.0005
SELENIUM, DISSOLVED	mg/l							<0.005	<0.005
SILVER, DISSOLVED	mg/l							<0.01	<0.01
SODIUM, DISSOLVED	mg/l	9.10	10.40	13.20	12.50		71.00		
NITRATE NITROGEN	mg/l	2.20	8.35	3.35	11.50		4.80	21.20	8.50
TOTAL ORGANIC HALOGENS	ug/l	<5	<10	<5.0	248.00		141.00	8.00	8.00
PHENOLICS	mg/l	<0.005	<0.005	<0.005	<0.005		<0.005		
pH	standard	5.89	5.14	5.24	5.55		6.28	4.87	6.18
TOTAL DISSOLVED SOLIDS	mg/l	1120.00	1180.00	1080.00	848.00		1380.00	1630.00	1210.00
SPECIFIC CONDUCTANCE	umhos/cm	1470.00	1850.00	2030.00	1240.00		1950.00	1970.00	1480.00
SULFATE	mg/l	657.00	977.00	1180.00	647.00		970.00	1020.00	748.00
HERBICIDES:									
2,4-D	ug/l								
2,4,5-TP	ug/l								
PESTICIDES:									
ENDRIN	ug/l								
LINDANE	ug/l								
METHOXYCHLOR	ug/l								
TOXAPHENE	ug/l								
ACID EXTRACTABLES:									
PHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<50	<50	<50		<50	<50	<25	<25
4-NITROPHENOL	ug/l	<50	<50	<50		<50	<50	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<50	<50	<50		<50	<50	<25	<25
PENTACHLOROPHENOL	ug/l	<50	<50	<50		<50	<50	<25	<25
BASE/NEUTRAL EXTRACTABLES:									
N-NITROSODIMETHYLAMINE	ug/l			<10		<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<10		<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10		<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
NAPHTHALENE	ug/l	<10	<10	<10		<10	<10	<10	<10
HEXACHLOROBTADIENE	ug/l	<10	<10	<10		<10	<10	<10	<10
HEXCHLOROCCYCLOPENTADIENE	ug/l	<10	<10	<10		<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10		<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<10		<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10	<10	<10
ACENAPHTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10
2,4-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10	<10	<10
FLUORENE	ug/l	<10	<10	<10		<10	<10	<10	<10
DIETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-5-81)

PARAMETER	UNITS	4/16/87	7/17/87	10/28/87	2/11/88	3/8/88	5/19/88	7/19/89	4/18/89
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10		<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
PHENANTHRENE	ug/l	<10	<10	<10		<10	<10	<10	<10
ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10
BENZIDINE	ug/l			<20		<20	<20	<25	<25
PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10		<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<20	<20	<20		<20	<20	<25	<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
BENZ(B)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10
BENZOKI(FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10
INDENO(1,2,3-C)PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10
BENZO(G,H)PERYLENE	ug/l	<10	<10	<10		<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<10		<10	<10	<10	<10
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<2.0	<2.0	<2	<2		<2	<10	<10
BROMOMETHANE	ug/l	<2.0	<2.0	<2	<2		<2	<10	<10
VINYL CHLORIDE	ug/l	<2.0	<2.0	<2	<2		<2	<10	<10
CHLOROETHANE	ug/l	<2.0	<2.0	<2	<2		<2	<10	<10
METHYLENE CHLORIDE	ug/l	35.00	<1.0	<1	<1		<1	<5	<5
ACROLEIN	ug/l							<100	<100
ACRYLONITRILE	ug/l							<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
TRICHLOROFLUOROMETHANE	ug/l							<5	<5
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
CHLOROFORM	ug/l	<1.0	2.00	<1	<1		<1	<5	<5
1,2-DICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
1,2-DICHLOROPROPANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
TRICHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
BENZENE	ug/l	<1.0	2.10	<1	<1		<1	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<2.0	<2.0	<2	<2		<2	<10	<10
BROMOFORM	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
TOLUENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
CHLOROBENZENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
ETHYLBENZENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-6-81)

PARAMETER	UNITS	6/2/91	7/18/91	10/26/91	1/16/92	4/16/92
ALKALINITY, TOTAL	mg/l	1030.00	982.00	1350.00	680.00	431.00
AMMONIA NITROGEN	mg/l	12.80	5.40	5.80	83.80	110.00
TOTAL COLIFORM	cfu/100 m	> 18	> 18	< 2.2	< 2.2	< 2.2
BIOCHEMICAL OXYGEN DEMAND	mg/l	22.00	23.00	13.00	84.00	84.00
TOTAL ORGANIC CARBON	mg/l	170.00	160.00	84.00	110.00	80.00
CHEMICAL OXYGEN DEMAND	mg/l	570.00	830.00	320.00	530.00	410.00
CHLORIDE	mg/l	494.00	262.00	110.00	283.00	330.00
CYANIDE, TOTAL	mg/l	0.30	1.65	0.14	1.35	0.57
FLUORIDE	mg/l	0.50	0.50	0.80	0.50	1.20
ALUMINUM, DISSOLVED	mg/l					
ARSENIC, DISSOLVED	mg/l		0.02	< 0.01	< 0.01	< 0.01
BARIUM, DISSOLVED	mg/l		0.20	0.20	0.10	< 0.2
CADMIUM, DISSOLVED	mg/l		0.01	0.02	< 0.006	< 0.006
CHROMIUM, DISSOLVED	mg/l		0.14	0.08	< 0.06	< 0.06
IRON, DISSOLVED	mg/l					
LEAD, DISSOLVED	mg/l		0.20	0.08	< 0.06	< 0.06
MANGANESE, DISSOLVED	mg/l					
MERCURY, DISSOLVED	mg/l		0.00	0.00	< 0.0005	0.00
SELENIUM, DISSOLVED	mg/l		0.02	0.01	< 0.005	< 0.005
SILVER, DISSOLVED	mg/l		< 0.01	< 0.01	< 0.01	< 0.01
SODIUM, DISSOLVED	mg/l		297.00	147.00	232.00	230.00
NITRATE NITROGEN	mg/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOTAL ORGANIC HALOGENS	ug/l	180.00	100.00	80.00	80.00	80.00
PHENOLICS	mg/l					
pH	standard	6.87	6.98	6.98	6.54	6.55
TOTAL DISSOLVED SOLIDS	mg/l	13800.00	10800.00	7000.00	8400.00	8900.00
SPECIFIC CONDUCTANCE	umhos/cm	12800.00	9790.00	8580.00	8430.00	8420.00
SULFATE	mg/l	7800.00	8570.00	4200.00	5550.00	5700.00
HERBICIDES:						
2,4-D	ug/l					
2,4,6-TP	ug/l					
PESTICIDES:						
ENDRIN	ug/l					
LINDANE	ug/l					
METHOXYCHLOR	ug/l					
TOXAPHENE	ug/l					
ACID EXTRACTABLES:						
PHENOL	ug/l	< 10	< 10	< 10	< 10	< 10
2-CHLOROPHENOL	ug/l	< 10	< 10	< 10	< 10	< 10
2-NITROPHENOL	ug/l	< 10	< 10	< 10	< 10	< 10
2,4-DIMETHYLPHENOL	ug/l	< 10	< 10	< 10	< 10	< 10
2,4-DICHLOROPHENOL	ug/l	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	ug/l	< 10	< 10	< 10	< 10	< 10
2,4,6-TRICHLOROPHENOL	ug/l	< 10	< 10	< 10	< 10	< 10
2,4-DINITROPHENOL	ug/l	< 25	< 25	< 25	< 25	< 25
4-NITROPHENOL	ug/l	< 25	< 25	< 25	< 25	< 25
2-METHYL-4,6-DINITROPHENOL	ug/l	< 25	< 25	< 25	< 25	< 25
PENTACHLOROPHENOL	ug/l	< 25	< 60	< 60	< 60	< 60
BASE/NEUTRAL EXTRACTABLES:						
N-NITROSODIMETHYLAMINE	ug/l	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROETHYL)ETHER	ug/l	< 10	< 10	< 10	< 10	< 10
1,3-DICHLOROBENZENE	ug/l	< 10	< 10	< 10	< 10	< 10
1,4-DICHLOROBENZENE	ug/l	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	ug/l	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	< 10	< 10	< 10	< 10	< 10
HEXACHLOROETHANE	ug/l	< 10	< 10	< 10	< 10	< 10
N-NITROSODI-N-PROPYLAMINE	ug/l	< 10	< 10	< 10	< 10	< 10
NITROBENZENE	ug/l	< 10	< 10	< 10	< 10	< 10
ISOPHORONE	ug/l	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROETHOXY)METHANE	ug/l	< 10	< 10	< 10	< 10	< 10
1,2,4-TRICHLOROBENZENE	ug/l	< 10	< 10	< 10	< 10	< 10
NAPHTHALENE	ug/l	< 10	< 10	< 10	< 10	< 10
HEXACHLOROBUTADIENE	ug/l	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	ug/l	< 10	< 10	< 10	< 10	< 10
2-CHLORONAPHTHALENE	ug/l	< 10	< 10	< 10	< 10	< 10
ACENAPHTHYLENE	ug/l	< 10	< 10	< 10	< 10	< 10
DIMETHYL PHTHALATE	ug/l	< 10	< 10	15	< 10	< 10
2,6-DINITROTOLUENE	ug/l	< 10	< 10	< 10	< 10	< 10
ACENAPHTHENE	ug/l	< 10	< 10	< 10	< 10	< 10
2,4-DINITROTOLUENE	ug/l	< 10	< 10	< 10	< 10	< 10
FLUORENE	ug/l	< 10	< 10	< 10	< 10	< 10
DIETHYL PHTHALATE	ug/l	< 10	< 10	< 10	< 10	< 10
4-CHLOROPHENYL PHENYL ETHER	ug/l	< 10	< 10	< 10	< 10	< 10
N-NITROSODIPHENYLAMINE	ug/l	< 10	< 10	< 10	< 10	< 10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-6-91)

PARAMETER	UNITS	5/2/91	7/18/91	10/25/91	1/18/92	4/16/92
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	<10	<10	<10	<10	<10
ANTHRACENE	ug/l	<10	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10	<10	18.00
FLUORANTHENE	ug/l	<10	<10	<10	<10	<10
BENZIDINE	ug/l	<25	<25	<25	<100	<100
PYRENE	ug/l	<10	<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<25	<25	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	13.00	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l					
VOLATILE ORGANICS:						
CHLOROMETHANE	ug/l	<50	<10	<10	<10	<10
BROMOMETHANE	ug/l	<50	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<50	<10	<10	<10	<10
CHLOROETHANE	ug/l	<50	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<25	<5	<5	<5	<5
ACROLEIN	ug/l	<500	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<500	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<25	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<25	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<25	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<25	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<25	<5	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<25	<5	<5	<5	<5
CHLOROFORM	ug/l	<25	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<25	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<25	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<25	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<25	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<25	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<25	<5	<5	<5	<5
BENZENE	ug/l	<25	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<25	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<25	<5	<5	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<50	<10	<10	<10	<10
BROMOFORM	ug/l	<25	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<25	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<25	<5	<5	<5	<5
TOLUENE	ug/l	<25	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<25	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<25	<5	<5	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-1
MONITORING WELL W-1R (REPLACING W-1 AS OF 4-6-81)

NOTES:

- (1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/86.
- (2) BENZ(A)ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/15/85.
- (3) ONLY SAMPLED FOR FECAL COLIFORM.
- (4) THE VALUE REPORTED IS THE RESULT OF QUADRUPPLICATE SAMPLES.

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	4/10/85	8/26/85	10/16/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10
PHENANTHRENE	ug/l	<5	14.00	347.00	36.00	<10	83.00	81.00	70.00
ANTHRACENE	ug/l	<5	<5	<5	<5	<10	<10	12.00	<10
DI-N-BUTYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	25.00
FLUORANTHENE	ug/l	<5	<5	181.00	12.00	<10	31.00	28.00	13.00
BENZIDINE	ug/l	<100	<100	<100	<100	<20			
PYRENE	ug/l	<5	8.50	128.00	9.00	<10	20.00	19.00	<10
BUTYL BENZYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	25.00	<10	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-DICHLORO BENZIDINE	ug/l	<10	<10	<10	<10	<20	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<25	<25	32.00	<25	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<25	<25	*	<25	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<25	<25	98.00	<25	<10	<10	<10	<10
INDENO(1,2,3-C)DIPYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10
BENZO(G,H)PERYLENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<10
2,3,7,8-TETRACHLORO DIBENZO-P-DIOXIN	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
BROMOMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
VINYL CHLORIDE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
CHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
METHYLENE CHLORIDE	ug/l	8.20	<1.0	<1.0	<10	2.40	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100	<1000	<100	<80		
ACRYLONITRILE	ug/l	<25	<25	<25	<250	<25	<80		
TRANS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l								
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<10	<1.0	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1.0	<10	<1.0	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<10	<1.0	<5	<5	<5
CHLOROFORM	ug/l	<1.0	<1.0	<1.0	<10	<1.0	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1.0	<10	<1.0	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1.0	<10	<1.0	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<10	<1.0	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TRICHLOROETHENE	ug/l	<0.2	<0.2	<0.2	<2.0	<0.2	<5	<5	<5
BENZENE	ug/l	143.00	234.00	88.00	<10	73.40	480.00	<5	122.00
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<10	<1.0	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
BROMOFORM	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<10	<1.0	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TOLUENE	ug/l	80.00	76.00	81.00	<2.0	17.80	59.40	<5	24.80
CHLOROBENZENE	ug/l	<1.0	<1.0	<1.0	<10	<1.0	<5	<5	<5
ETHYLBENZENE	ug/l	3.0	5.10	43.00	<10	<1.0	18.80	<5	8.10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-88)

PARAMETER	UNITS	4/18/87	7/17/87	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89
ALKALINITY, TOTAL	mg/l	645.00	485.00	748.00	399.00		350.00		515.00
AMMONIA NITROGEN	mg/l	380.00	447.00	553.00	248.00		188.00		221.00
TOTAL COLIFORM	cfu/100 m	2.00	<1	640.00	440.00		200.00		<2.2
BIOCHEMICAL OXYGEN DEMAND	mg/l	135.00	344.00	315.00	53.0		88.0		119.00
TOTAL ORGANIC CARBON	mg/l	110.00	116.00	102.00	62.50		8.47		110.00
CHEMICAL OXYGEN DEMAND	mg/l	1480.00	545.00	494.00	143.00		133.00		330.00
CHLORIDE	mg/l			607.00	218.00		181.00		71.00
CYANIDE, TOTAL	mg/l	48.50	47.30	77.0	10.90		7.10		42.0
FLUORIDE	mg/l	5.90	7.51	6.30	5.85		3.10		0.20
ALUMINUM, DISSOLVED	mg/l								
ARSENIC, DISSOLVED	mg/l								<0.01
BARIUM, DISSOLVED	mg/l								<0.1
CADMIUM, DISSOLVED	mg/l								<0.005
CHROMIUM, DISSOLVED	mg/l	0.00	0.00	0.01	0.01		0.00		<0.05
IRON, DISSOLVED	mg/l	22.0	0.12	2.0	60.70		17.90		
LEAD, DISSOLVED	mg/l								<0.05
MANGANESE, DISSOLVED	mg/l	8.30	0.13	3.90	4.70		2.40		
MERCURY, DISSOLVED	mg/l								<0.0005
SELENIUM, DISSOLVED	mg/l								<0.005
SILVER, DISSOLVED	mg/l								<0.01
SODIUM, DISSOLVED	mg/l	259.00	238.00	343.00	482.00		190.00		
NITRATE NITROGEN	mg/l	<0.28	<0.28	<0.21	<0.21		<0.21		0.50
TOTAL ORGANIC HALOGENS	ug/l	18.00	20.00	48.00	108.00		182.00		50.00
PHENOLICS	mg/l	0.88	1.07	0.30			0.05		
pH	standard	7.20	8.43	8.85	7.03		7.05		8.05
TOTAL DISSOLVED SOLIDS	mg/l	5840.00	4820.00	4260.00	4890.00		3880.00		2510
SPECIFIC CONDUCTANCE	umhos/cm	708.00	6810.00	7210.00	5640.00		4180.00		3810
SULFATE	mg/l	3420.00	3880.00	3440.00	2140.00		2280.00		1680
HERBICIDES:									
2,4-D	ug/l								
2,4,5-TP	ug/l								
PESTICIDES:									
ENDRIN	ug/l								
LINDANE	ug/l								
METHOXYCHLOR	ug/l								
TOXAPHENE	ug/l								
ACID EXTRACTABLES:									
PHENOL	ug/l	<10	66.00	<10		<11	<10		80.00
2-CHLOROPHENOL	ug/l	<10	<10	<10		<11	<10		<10
2-NITROPHENOL	ug/l	<10	<10	<10		<11	<10		<10
2,4-DIMETHYLPHENOL	ug/l	39.00	<10	33.00		<11	28.00		20.00
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10		<11	<10		<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10		<11	<10		<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10		<11	<10		<10
2,4-DINITROPHENOL	ug/l	<50	<50	<50		<55	<50		<25
4-NITROPHENOL	ug/l	<50	<50	<50		<55	<50		<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<50	<50	<50		<55	<50		<25
PENTACHLOROPHENOL	ug/l	<50	<50	<50		<55	<50		<25
BASENEUTRAL EXTRACTABLES:									
N-NITROSODIMETHYLAMINE	ug/l			<10		<10	<10		<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10		<10	<10		<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10		<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10		<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10		<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	28.00	<10		<10	<10		<10
HEXACHLOROETHANE	ug/l	<10	<10	<10		<10	<10		<10
N-NITROSDI-N-PROPYLAMINE	ug/l	<10	<10	<10		<10	<10		<10
NITROBENZENE	ug/l	<10	<10	<10		<10	<10		<10
ISOPHORONE	ug/l	<10	<10	<10		<10	<10		<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10		<10	<10		<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10		<10
NAPHTHALENE	ug/l	299.00	118.00	<10		39.00	70.00		290.00
HEXACHLOROBUTADIENE	ug/l	<10	<10	<10		<10	<10		<10
HEXACHLOROCYCLOPENTADIENE	ug/l	<10	<10	<10		<10	<10		<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10		<10	<10		<10
ACENAPHTHYLENE	ug/l	<10	14.00	<10		11.00	<10		<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10		<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10		<10
ACENAPHTHENE	ug/l	15.00	<10	<10		<10	<10		10.00
2,4-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10		<10
FLUORENE	ug/l	28.00	<10	25.00		30.00	18.00		<10
DIETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10		<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10		<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10		<10	<10		<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	4/18/87	7/17/87	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10		<10	<10		<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10		<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10		<10	<10		<10
PHENANTHRENE	ug/l	<10	<10	27.00		54.00	16.00		30.00
ANTHRACENE	ug/l	<10	<10	<10		14.00	<10		<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10		<10
FLUORANTHENE	ug/l	<10	<10	<10		22.00	<10		30.00
BENZIDINE	ug/l			<20		<20	<20		<25
PYRENE	ug/l	<10	<10	<10		31.00	<10		30.00
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10		<10	<10		<10
BENZO(A)ANTHRACENE	ug/l	<10	<10	<10		<10	<10		20.00
CHRYSENE	ug/l	<10	<10	<10		<10	<10		20.00
3,3'-DICHLOROBENZIDINE	ug/l	<20	<20	<20		<20	<20		<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	11.00		<10	<10		10.00
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10		<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10		20.00
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10		<10
BENZO(A)PYRENE	ug/l	<10	<10	<10		<10	<10		10.00
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<10		<10	<10		<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<10		<10	<10		<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<10		<10	<10		<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<10		<10	<10		<10
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<2.0	<2.0	<2	<2		<2		<10
BROMOMETHANE	ug/l	<2.0	<2.0	<2	<2		<2		<10
VINYL CHLORIDE	ug/l	<2.0	<2.0	<2	<2		<2		<10
CHLOROETHANE	ug/l	<2.0	<2.0	<2	<2		<2		<10
METHYLENE CHLORIDE	ug/l	32.00	<1.0	<1	<1		<1		<5
ACROLEIN	ug/l								<100
ACRYLONITRILE	ug/l								<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1.0	22.00	<1	<1		<1		<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1.0	<1.0	<1	<1		<1		<5
TRICHLOROFLUOROMETHANE	ug/l								<5
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1		<5
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1		<5
TRANS-1,2-DICHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1		<5
CHLOROFORM	ug/l	<1.0	<1.0	<1	<1		<2		<5
1,2-DICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1		<5
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1		<5
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1	<1		<1		<5
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1	<1		<1		<5
1,2-DICHLOROPROPANE	ug/l	<1.0	<1.0	<1	<1		<1		<5
TRICHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1		<5
BENZENE	ug/l	105.00	190.00	85.00	40.00		22.00		110.00
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1	<1		<1		<5
1,1,2-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1		<5
2-CHLOROETHYL VINYL ETHER	ug/l	<1.0	<2.0	<2	<2		<2		<10
BROMOFORM	ug/l	<1.0	<1.0	<1	<1		<1		<5
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1		<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1		<5
TOLUENE	ug/l	33.00	48.00	16.00	10.00		7.00		13.00
CHLOROBENZENE	ug/l	<1.0	<1.0	<1	<1		<1		<5
ETHYLBENZENE	ug/l	7.50	9.80	10.00	3.00		3.00		12.00

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-88)

PARAMETER	UNITS	8/1/89	10/30/89	1/11/90	4/6/90	7/10/90	10/11/90	1/8/91	2/20/91
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	<10	14.00	18.00	11.00	18.00	18.00	18.00	18.00
ANTHRACENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
FLUORANTHENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
BENZIDINE	ug/l	<25	<25	<25	<25	<25	<25	<25	<25
PYRENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<25	<25	<25	<25	<25	<25	<25	<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
INDENO(1,2,3-C)DIPYRENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
BENZO(G,H)PERYLENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l								
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<50	<10	<10	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<50	<10	<10	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<50	<10	<10	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<60	<10	<10	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<5	<5	<5	<5	<5	<5	<5	<5
ACROLEIN	ug/l	<500	<100	<100	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<500	<100	<100	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	31.00	<5	<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
BENZENE	ug/l	88.00	82.00	64.00	94.00	62.00	64.00	97.00	97.00
DIBROMOCHLOROMETHANE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<50	<10	<10	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
TOLUENE	ug/l	<25	6.00	7.00	6.00	<5	<5	<5	<5
CHLOROENZENE	ug/l	<25	<5	<5	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<25	6.00	7.00	9.00	6.00	8.00	8.00	8.00

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92
ALKALINITY, TOTAL	mg/l	178.00	118.00	175.00	171.00	118.00
AMMONIA NITROGEN	mg/l	39.20	43.50	58.20	52.80	51.00
TOTAL COLIFORM	cfu/100 m	<2.2	<2.2	<2.2	> 18	<2.2
BIOCHEMICAL OXYGEN DEMAND	mg/l	19.00	21.00	21.00	23.00	24.00
TOTAL ORGANIC CARBON	mg/l	34.00	37.00	44.00	42.00	35.00
CHEMICAL OXYGEN DEMAND	mg/l	400.00	210.00	180.00	200.00	180.00
CHLORIDE	mg/l	52.00	44.00	44.00	40.00	37.00
CYANIDE, TOTAL	mg/l	0.11	0.04	0.10	0.63	0.18
FLUORIDE	mg/l	0.20	0.20	0.20	0.20	0.20
ALUMINUM, DISSOLVED	mg/l					
ARSENIC, DISSOLVED	mg/l		0.01	<0.01	<0.01	<0.01
BARIUM, DISSOLVED	mg/l		0.20	0.30	0.10	<0.2
CADMIUM, DISSOLVED	mg/l		<0.005	<0.005	<0.005	<0.005
CHROMIUM, DISSOLVED	mg/l		0.06	<0.05	<0.05	<0.05
IRON, DISSOLVED	mg/l					
LEAD, DISSOLVED	mg/l		0.31	0.17	<0.05	<0.05
MANGANESE, DISSOLVED	mg/l					
MERCURY, DISSOLVED	mg/l		0.00	0.00	<0.0005	<0.0002
SELENIUM, DISSOLVED	mg/l		<0.005	<0.005	<0.005	<0.005
SILVER, DISSOLVED	mg/l		<0.01	<0.01	<0.01	<0.01
SODIUM, DISSOLVED	mg/l		142.00	132.00	122.00	115.00
NITRATE NITROGEN	mg/l	<0.5	<0.5	<0.5	<0.5	<0.5
TOTAL ORGANIC HALOGENS	ug/l	10.00	70.00	70.00	81.00	80.00
PHENOLICS	mg/l					
pH	standard	8.96	9.27	9.21	9.10	9.01
TOTAL DISSOLVED SOLIDS	mg/l	2820.00	2640.00	2500.00	2180.00	2170.00
SPECIFIC CONDUCTANCE	umhos/cm	2850.00	2840.00	2870.00	2810.00	2550.00
SULFATE	mg/l	1580.00	1.00	1640.00	1680.00	1600.00
HERBICIDES:						
2,4-D	ug/l					
2,4,5-TP	ug/l					
PESTICIDES:						
ENDRIN	ug/l					
LINDANE	ug/l					
METHOXYCHLOR	ug/l					
TOXAPHENE	ug/l					
ACID EXTRACTABLES:						
PHENOL	ug/l	28.00	23.00	24.00	25.00	25.00
2-CHLOROPHENOL	ug/l	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<25	<25	<50	<50	<50
BASE/NEUTRAL EXTRACTABLES:						
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	109.00	75.00	93.00	71.00	68.00
HEXACHLOROBUTADIENE	ug/l	<10	<10	<10	<10	<10
HEXACHLOROCYCLOPENTADIENE	ug/l	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	13.00	10.00	14.00	13.00	14.00
2,4-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10
FLUORENE	ug/l	12.00	12.00	13.00	12.00	15.00
DIETHYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

PARAMETER	UNITS	5/2/91	7/18/91	10/26/91	1/16/92	4/16/92
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	23.00	26.00	21.00	36.00	39.00
ANTHRACENE	ug/l	<10	<10	<10	<10	10.00
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10	<10	17.00
FLUORANTHENE	ug/l	11.00	19.00	<10	33.00	31.00
BENZIDINE	ug/l	<25	<25	<100	<100	<100
PYRENE	ug/l	11.00	15.00	<10	32.00	29.00
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10	13.00	16.00
CHRYSENE	ug/l	<10	<10	<10	13.00	16.00
3,3'-DICHLOROBENZIDINE	ug/l	<25	<20	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10	10.00	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<10	12.00	12.00
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<10	<10	11.00
BENZO(A)PYRENE	ug/l	<10	<10	<10	12.00	13.00
INDENO(1,2,3-C)DIPYRENE	ug/l	<10	<10	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<10	<10	<10
VOLATILE ORGANICS:						
CHLOROMETHANE	ug/l	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<5	<5	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
BENZENE	ug/l	70.00	77.00	88.00	90.00	110.00
DIBROMOCHLOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5	<5	<5	<5	<5
TOLUENE	ug/l	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	7.00	6.00	<5	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-2
MONITORING WELL W-2R (REPLACING W-2 AS OF 4-18-89)

NOTES:

- (1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS FOR PERIOD 4/10/86 THROUGH 4/24/86.
- (2) BENZ(A)ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/16/86.
- (3) ONLY SAMPLED FOR FECAL COLIFORM.
- (4) THE VALUE REPORTED IS THE RESULT OF QUADRUPLICATE SAMPLES.

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	4/10/85	6/26/85	10/15/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10	<10	<10	<11
4-BROMOPHENYL PHENYL ETHER	ug/l	<5	<5	<5	<5	<10	<10	<10	<11
HEXACHLOROBENZENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11
PHENANTHRENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11
ANTHRACENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11
DI-N-BUTYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11
FLUORANTHENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11
BENZIDINE	ug/l	<100	<100	<100	<100	<20	<20	<20	<22
PYRENE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11
BUTYL BENZYL PHTHALATE	ug/l	<5	<5	<5	<5	<10	<10	<10	<11
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<11
CHRYSENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<11
3,3'-DICHLOROBENZIDINE	ug/l	<10	<10	<10	<10	<20	<20	<20	<22
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	12	<5	<5	<5	<10	<10	<10	<11
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<11
BENZO(B)FLUORANTHENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11
BENZOKI(FLUORANTHENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11
BENZO(A)PYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11
INDENO(1,2,3-C,D)PYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11
DIBENZO(A,H)ANTHRACENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11
BENZO(G,H,I)PERYLENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<11
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<10	<10	<10	<10	<10	<11
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
BROMOMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
VINYL CHLORIDE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
CHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
METHYLENE CHLORIDE	ug/l	3.80	<1.0	<1.0	<1.0	8.10	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100	<100	<100	<80	<80	<80
ACRYLONITRILE	ug/l	<25	<25	<25	<25	<25	<80	<80	<80
TRANS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
CHLOROFORM	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TRICHLOROETHENE	ug/l	<0.2	<0.2	<0.2	<0.2	<0.2	<5	<5	<5
BENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	<10
BROMOFORM	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	<5
TOLUENE	ug/l	<0.2	<0.2	<0.2	<0.2	<0.2	<5	<5	<5
CHLOROBENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5
ETHYLBENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	4/18/87	7/17/87	10/28/87	2/11/88	3/8/88	6/19/88	1/18/89	4/18/89
ALKALINITY, TOTAL	mg/l	58.70	55.80	43.90	55.40		51.90	48	46
AMMONIA NITROGEN	mg/l	1.20	2.40	0.47	1.80		2.33	1.20	1.20
TOTAL COLIFORM	cfu/100 m		<1	510	270		170	(3) <10	<2.2
BIOCHEMICAL OXYGEN DEMAND	mg/l	2.90	0.90	1.60	4.80		5.0	<8	<8
TOTAL ORGANIC CARBON	mg/l	2.10	1.60	2.20	1.40		0.69	1.10	1.10
CHEMICAL OXYGEN DEMAND	mg/l	14.50	<10	<10	<10.0		10.40	<50	<50
CHLORIDE	mg/l			<10.0	<10		<10	4	3
CYANIDE, TOTAL	mg/l	0.009	0.010	0.028	0.087		<0.009	0.04	0.027
FLUORIDE	mg/l	0.44	0.60	0.47	0.47		0.60	0.40	0.30
ALUMINUM, DISSOLVED	mg/l								
ARSENIC, DISSOLVED	mg/l							<0.01	<0.01
BARIUM, DISSOLVED	mg/l							0.10	<0.1
CADMIUM, DISSOLVED	mg/l							<0.005	<0.005
CHROMIUM, DISSOLVED	mg/l	0.002	0.003	0.004	0.013		0.004	<0.05	<0.05
IRON, DISSOLVED	mg/l	<0.1	<0.1	<0.1	0.30		<0.1		
LEAD, DISSOLVED	mg/l							<0.05	<0.05
MANGANESE, DISSOLVED	mg/l	0.20	0.20	0.30	0.20		0.20		
MERCURY, DISSOLVED	mg/l							<0.0005	<0.0005
SELENIUM, DISSOLVED	mg/l							0.009	0.008
SILVER, DISSOLVED	mg/l							<0.01	<0.01
SODIUM, DISSOLVED	mg/l	11.40	11.60	8.18	8.30		7.80		
NITRATE NITROGEN	mg/l	2.80	2.45	1.38	1.99		1.55	2.80	2.20
TOTAL ORGANIC HALOGENS	ug/l	<5	100	8	98		123	<5	8
PHENOLICS	mg/l	<0.005	<0.005	<0.005	<0.005		<0.005		
pH	standard	8.38	6.30	6.28	6.54		8.21	6.48	6.61
TOTAL DISSOLVED SOLIDS	mg/l	279	272	204	236		216	220	260
SPECIFIC CONDUCTANCE	umhos/cm	353	328	242	303		273	310	3510
SULFATE	mg/l	99.0	91	67.60	83.70		72.70	89	99
HERBICIDES:									
2,4-D	ug/l								
2,4,6-TP	ug/l								
PESTICIDES:									
ENDRIN	ug/l								
LINDANE	ug/l								
METHOXYCHLOR	ug/l								
TOXAPHENE	ug/l								
ACID EXTRACTABLES:									
PHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<50	<50	<50	<50	<50	<50	<25	<25
4-NITROPHENOL	ug/l	<50	<50	<50	<50	<50	<50	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<50	<50	<50	<50	<50	<50	<25	<25
PENTACHLOROPHENOL	ug/l	<50	<50	<50	<50	<50	<50	<25	<25
BASE/NEUTRAL EXTRACTABLES:									
N-NITROSODIMETHYLAMINE	ug/l			<10		<11	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10		<11	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10		<11	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10		<11	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10		<11	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<10		<11	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<10		<11	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<10		<11	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<10		<11	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<10		<11	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10		<11	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10		<11	<10	<10	<10
NAPHTHALENE	ug/l	<10	<10	<10		<11	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l	<10	<10	<10		<11	<10	<10	<10
HEXACHLOROCYCLOPENTADIENE	ug/l	<10	<10	<10		<11	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10		<11	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<10		<11	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<10		<11	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10		<11	<10	<10	<10
ACENAPHTHENE	ug/l	<10	<10	<10		<11	<10	<10	<10
2,4-DINITROTOLUENE	ug/l	<10	<10	<10		<11	<10	<10	<10
FLUORENE	ug/l	<10	<10	<10		<11	<10	<10	<10
DIETHYL PHTHALATE	ug/l	<10	<10	<10		<11	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<11	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10		<11	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	4/16/87	7/17/87	10/28/87	2/11/88	3/9/88	5/19/88	1/18/89	4/18/89
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10		<11	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<11	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10		<11	<10	<10	<10
PHENANTHRENE	ug/l	<10	<10	<10		<11	<10	<10	<10
ANTHRACENE	ug/l	<10	<10	<10		<11	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<01		<11	<10	<10	<10
FLUORANTHENE	ug/l	<10	<10	<10		<11	<10	<10	<10
BENZIDINE	ug/l			<20		<11	<20	<25	<25
PYRENE	ug/l	<10	<10	<10		<11	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10		<11	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10		<11	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10		<11	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<20	<20	<20		<11	<20	<25	<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10		<11	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10		<11	<10	<10	<10
BENZ(B)FLUORANTHENE	ug/l	<10	<10	<10		<11	<10	<10	<10
BENZ(K)FLUORANTHENE	ug/l	<10	<10	<10		<11	<10	<10	<10
BENZ(A)PYRENE	ug/l	<10	<10	<10		<11	<10	<10	<10
INDENO(1,2,3-C)DIPYRENE	ug/l	<10	<10	<10		<11	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	ug/l	<10	<10	<10		<11	<10	<10	<10
BENZO(G,H)PERYLENE	ug/l	<10	<10	<10		<11	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<10		<11	<10	<10	<10
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<2.0	<2.0	<2	<2		<2	<10	<10
BROMOMETHANE	ug/l	<2.0	<2.0	<2	<2		<2	<10	<10
VINYL CHLORIDE	ug/l	<2.0	<2.0	<2	<2		<2	<10	<10
CHLOROETHANE	ug/l	<2.0	<2.0	<2	<2		<2	<10	<10
METHYLENE CHLORIDE	ug/l	34	<1.0	<1	<1		<1	<5	<5
ACROLEIN	ug/l							<100	<100
ACRYLONITRILE	ug/l							<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<1.0					<1	<5	<5
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
CHLOROFORM	ug/l	<1.0	1.30	<1	<1		<1	<5	<5
1,2-DICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
1,2-DICHLOROPROPANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
TRICHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
BENZENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<2.0	<2.0	<2	<2		<2	<10	<10
BROMOFORM	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
TOLUENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
CHLOROBENZENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5
ETHYLBENZENE	ug/l	<1.0	<1.0	<1	<1		<1	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	6/2/91	7/18/91	10/25/91	1/16/92	4/16/92
ALKALINITY, TOTAL	mg/l	79	140	105	124.00	130.00
AMMONIA NITROGEN	mg/l	2.10	1.40	3.10	3.00	4.00
TOTAL COLIFORM	cfu/100 m	<2.2	5.20	5.20	5.20	<2.2
BIOCHEMICAL OXYGEN DEMAND	mg/l	<8	<8	<8	<12	9.00
TOTAL ORGANIC CARBON	mg/l	2.60	3.10	4.40	2.80	3.10
CHEMICAL OXYGEN DEMAND	mg/l	<50	380	70	140.00	220.00
CHLORIDE	mg/l	42	25	35	18.00	17.00
CYANIDE, TOTAL	mg/l	0.042	0.086	0.038	<0.006	0.075
FLUORIDE	mg/l	0.30	0.40	0.50	0.40	0.40
ALUMINUM, DISSOLVED	mg/l					
ARSENIC, DISSOLVED	mg/l		0.01	<0.01	<0.01	<0.01
BARIUM, DISSOLVED	mg/l		<0.2	0.10	<0.2	<0.2
CADMIUM, DISSOLVED	mg/l		<0.005	<0.005	0.079	<0.005
CHROMIUM, DISSOLVED	mg/l		0.08	<0.05	0.080	<0.05
IRON, DISSOLVED	mg/l					
LEAD, DISSOLVED	mg/l		0.06	<0.05	0.100	<0.05
MANGANESE, DISSOLVED	mg/l					
MERCURY, DISSOLVED	mg/l		0.008	<0.0005	<0.0005	<0.0002
SELENIUM, DISSOLVED	mg/l		0.011	<0.005	<0.005	<0.005
SILVER, DISSOLVED	mg/l		<0.01	<0.01	0.070	<0.01
SODIUM, DISSOLVED	mg/l		48.30	83.80	73.30	84.90
NITRATE NITROGEN	mg/l	4.70	1.30	3.30	1.40	<1
TOTAL ORGANIC HALOGENS	ug/l	<5	<5	8	7.00	<5
PHENOLICS	mg/l					
pH	standard	8.24	6.70	6.20	6.38	6.50
TOTAL DISSOLVED SOLIDS	mg/l	1110	1050	1590	1500	1480
SPECIFIC CONDUCTANCE	umhos/cm	1390	1320	1840	1750	1780
SULFATE	mg/l	811	580	940	800	1000
HERBICIDES:						
2,4-D	ug/l					
2,4,6-TP	ug/l					
PESTICIDES:						
ENDRIN	ug/l					
LINDANE	ug/l					
METHOXYCHLOR	ug/l					
TOXAPHENE	ug/l					
ACID EXTRACTABLES:						
PHENOL	ug/l	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<25	<25	<50	<50	<50
BASE/NEUTRAL EXTRACTABLES:						
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	<10	<10	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l	<10	<10	<10	<10	<10
HEXACHLOROCYCLOPENTADIENE	ug/l	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	<10	<10	<10	<10	<10
2,4-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10
FLUORENE	ug/l	<10	<10	<10	<10	<10
DIETHYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

PARAMETER	UNITS	6/2/91	7/18/91	10/26/91	1/16/92	4/16/92
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	<10	<10	<10	<10	<10
ANTHRACENE	ug/l	<10	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
FLUORANTHENE	ug/l	<10	<10	<10	<10	<10
BENZIDINE	ug/l	<25	<25	<100	<100	<100
PYRENE	ug/l	<10	<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<25	<20	<20	<20	<20
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l					
VOLATILE ORGANICS:						
CHLOROMETHANE	ug/l	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<5	<5	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
BENZENE	ug/l	<5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5	<5	<5	<5	<5
TOLUENE	ug/l	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<5	<5	<5	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-3

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ(A)ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/15/85.

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QUADRUPPLICATE SAMPLES.

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITORING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	4/10/85	6/26/85	10/16/85	1/23/86	4/24/86	7/29/86	10/10/86	1/8/87
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10	<10	<10	<12
4-BROMOPHENYL PHENYL ETHER	ug/l	<6	<6	<6	<6	<10	<10	<10	<12
HEXACHLOROBENZENE	ug/l	<6	<6	<6	<6	<10	<10	<10	<12
PHENANTHRENE	ug/l	<6	<6	<6	<6	<10	<10	<10	<12
ANTHRACENE	ug/l	<6	<6	<6	<6	<10	<10	<10	<12
DI-N-BUTYL PHTHALATE	ug/l	<6	<6	<6	<6	<10	<10	<10	<12
FLUORANTHENE	ug/l	<6	<6	<6	<6	<10	<10	<10	<12
BENZIDINE	ug/l	<100	<100	<100	<100	<20	<10	<10	<12
PYRENE	ug/l	<6	<6	<6	<6	<10	<10	<10	<12
BUTYL BENZYL PHTHALATE	ug/l	<6	<6	<6	<6	<10	<10	<10	<12
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<12
CHRYSENE	ug/l	<10	<10	<10	<10	<10	<10	<10	<12
3,3'-DICHLOROBENZIDINE	ug/l	<10	<10	<10	<10	<20	<20	<20	<24
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	8.60	5.80	<6	<6	<10	<10	<10	<12
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10	<10	<10	<12
BENZO(B)FLUORANTHENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12
BENZO(K)FLUORANTHENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12
BENZO(A)PYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12
INDENO(1,2,3-C)DIPYRENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12
DIBENZO(A,H)ANTHRACENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12
BENZO(G,H,I)PERYLENE	ug/l	<25	<25	<25	<25	<10	<10	<10	<12
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<10	<10	<10	<10	<10	<12
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<10	<10
BROMOMETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<10	<10
VINYL CHLORIDE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<10	<10
CHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<10	<10
METHYLENE CHLORIDE	ug/l	3.40	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
ACROLEIN	ug/l	<100	<100	<100	<100	<100	<80	<6	<6
ACRYLONITRILE	ug/l	<25	<25	<25	<25	<25	<80	<6	<6
TRANS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<6	<6
CIS-1,3-DICHLOROPROPENE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<6	<6
TRICHLOROFLUOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
TRANS-1,2-DICHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
CHLOROFORM	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
1,2-DICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<6	<6
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
1,2-DICHLOROPROPANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<6	<6
TRICHLOROETHENE	ug/l	<0.2	<0.2	<0.2	<0.2	<0.2	<6	<6	<6
BENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
1,1,2-TRICHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<6	<6
2-CHLOROETHYL VINYL ETHER	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<10	<10
BROMOFORM	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<6	<6
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
1,1,2,2-TETRACHLOROETHANE	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	<6	<6	<6
TOLUENE	ug/l	<0.2	<0.2	<0.2	<0.2	<0.2	<6	<6	<6
CHLOROBENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6
ETHYLBENZENE	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<6	<6	<6

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITORING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	4/16/87	7/17/87	10/28/87	2/11/88	3/8/88	5/18/88	1/16/89	4/18/89
ALKALINITY, TOTAL	mg/l	19.20	<10.0	88.90		22.90	18.8	62.00	765.00
AMMONIA NITROGEN	mg/l	0.13	0.23	22.90		0.18		0.50	2.10
TOTAL COLIFORM	cfu/100 m	<2	<1	>800		>8000		{3} <10	>18
BIOCHEMICAL OXYGEN DEMAND	mg/l	2.60	1.40	32.00		4.40	6.50	<12	174.00
TOTAL ORGANIC CARBON	mg/l	1.80	2.25	4.30		4.09	0.58	2.90	56.00
CHEMICAL OXYGEN DEMAND	mg/l	56.10	<10	48.00		17.70		200.00	300.00
CHLORIDE	mg/l			14.50		12.80	<10	6.00	19.00
CYANIDE, TOTAL	mg/l	<0.006	<0.006	4.40		<0.009		<0.01	83.0
FLUORIDE	mg/l	0.14	0.19	0.22		0.20	0.28	0.20	0.20
ALUMINIUM, DISSOLVED	mg/l								
ARSENIC, DISSOLVED	mg/l							<0.01	<0.01
BARIUM, DISSOLVED	mg/l							<0.1	0.10
CADMIUM, DISSOLVED	mg/l							<0.005	<0.005
CHROMIUM, DISSOLVED	mg/l	<0.001	<0.001	0.00		0.01	<0.002	<0.06	<0.06
IRON, DISSOLVED	mg/l	<0.1	<0.1	1.0		3.30	0.20		
LEAD, DISSOLVED	mg/l							<0.05	<0.05
MANGANESE, DISSOLVED	mg/l	0.30	0.34	0.90		1.0	0.80		
MERCURY, DISSOLVED	mg/l							<0.0005	<0.0005
SELENIUM, DISSOLVED	mg/l							<0.005	<0.005
SILVER, DISSOLVED	mg/l							<0.01	<0.01
SODIUM, DISSOLVED	mg/l	3.40	3.40	29.80		7.30	4.0		
NITRATE NITROGEN	mg/l	2.0	3.08	<0.21		2.50	<0.21	5.0	<0.5
TOTAL ORGANIC HALOGENS	ug/l	<5	30.00	<5		120.00		<5	13.00
PHENOLICS	mg/l	<0.006	<0.006	<0.006		<0.006			
pH	standard	6.05	6.02	6.10		6.41	6.51	6.35	7.01
TOTAL DISSOLVED SOLIDS	mg/l	181.00	141.75	252.00		146.00	184.00	180.00	1210.00
SPECIFIC CONDUCTANCE	umhos/cm	182.00	148.50	382.00		216.00	187.00	240.00	2440.00
SULFATE	mg/l	43.80	44.00	104.00		41.40	43.40	52.00	326.00
HERBICIDES:									
2,4-D	ug/l								
2,4,5-TP	ug/l								
PESTICIDES:									
ENDRIN	ug/l								
LINDANE	ug/l								
METHOXYCHLOR	ug/l								
TOXAPHENE	ug/l								
ACID EXTRACTABLES:									
PHENOL	ug/l	<10	<10	<11		<10		<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<11		<10		<10	<10
2-NITROPHENOL	ug/l	<10	<10	<11		<10		<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<11		<10		<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<11		<10		<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<11		<10		<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<11		<10		<10	<10
2,4-DINITROPHENOL	ug/l	<50	<50	<54		<50		<25	<25
4-NITROPHENOL	ug/l	<50	<50	<54		<50		<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<50	<50	<54		<50		<25	<25
PENTACHLOROPHENOL	ug/l	<50	<50	<54		<50		<25	<25
BASE/NEUTRAL EXTRACTABLES:									
N-NITROSODIMETHYLAMINE	ug/l			<11		<11	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<11		<11	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<11		<11	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<11		<11	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<11		<11	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<11		<11	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<11		<11	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<11		<11	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<11		<11	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<11		<11	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<11		<11	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<11		<11	<10	<10	<10
NAPHTHALENE	ug/l	<10	<10	<11		<11	<10	<10	<10
HEXACHLOROBUTADIENE	ug/l	<10	<10	<11		<11	<10	<10	<10
HEXACHLOROCYCLOPENTADIENE	ug/l	<10	<10	<11		<11	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<11		<11	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<11		<11	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<11		<11	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<11		<11	<10	<10	<10
ACENAPHTHENE	ug/l	<10	<10	<11		<11	<10	<10	<10
2,4-DINITROTOLUENE	ug/l	<10	<10	<11		<11	<10	<10	<10
FLUORENE	ug/l	<10	<10	<11		<11	<10	<10	<10
DIETHYL PHTHALATE	ug/l	<10	<10	<11		<11	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<11		<11	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<11		<11	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITORING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	4/16/87	7/17/87	10/28/87	2/11/88	3/8/88	6/19/88	1/18/89	4/18/89
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<11		<11	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<11		<11	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<11		<11	<10	<10	<10
PHENANTHRENE	ug/l	<10	<10	<11		<11	<10	<10	<10
ANTHRACENE	ug/l	<10	<10	<11		<11	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<11		<11	<10	<10	<10
FLUORANTHENE	ug/l	<10	<10	<11		<11	<10	<10	<10
BENZIDINE	ug/l			<21		<22	<20	<26	<26
PYRENE	ug/l	<10	<10	<11		<11	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<11		<11	<10	<10	<10
BENZO(A)ANTHRACENE	ug/l	<10	<10	<11		<11	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<11		<11	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<20	<20	<21		<22	<20	<26	<26
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<11		17.00	<10	<10	20.00
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<11		<11	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<11		<11	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<11		<11	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10	<11		<11	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<11		<11	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<11		<11	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<11		<11	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<11		<11	<10	<10	<10
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<2.0	<2.0	<2		<2		<10	<10
BROMOMETHANE	ug/l	<2.0	<2.0	<2		<2		<10	<10
VINYL CHLORIDE	ug/l	<2.0	<2.0	<2		<2		<10	<10
CHLOROETHANE	ug/l	<2.0	<2.0	<2		<2		<10	<10
METHYLENE CHLORIDE	ug/l	32.00	<1.0	<1		<1		<5	<5
ACROLEIN	ug/l							<100	<100
ACRYLONITRILE	ug/l							<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1.0	<1.0	<1		<1		<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1.0	<1.0	<1		<1		<5	<5
TRICHLOROFLUOROMETHANE	ug/l					<1		<5	<5
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1		<1		<5	<5
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1		<1		<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<1.0	<1.0	<1		<1		<5	<5
CHLOROFORM	ug/l	<1.0	<1.0	<1		<1		<5	<5
1,2-DICHLOROETHANE	ug/l	<1.0	<1.0	<1		<1		<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1		<1		<5	<5
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1		<1		<5	<5
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1		<1		<5	<5
1,2-DICHLOROPROPANE	ug/l	<1.0	<1.0	<1		<1		<5	<5
TRICHLOROETHENE	ug/l	<1.0	<1.0	<1		<1		<5	<5
BENZENE	ug/l	<1.0	<1.0	<1		<1		<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1		<1		<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1		<1		<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<1.0	<2.0	<2		<2		<10	<10
BROMOFORM	ug/l	<1.0	<1.0	<1		<1		<5	<5
TETRACHLOROETHENE	ug/l	<1.0	<1.0	<1		<1		<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<1.0	<1.0	<1		<1		<5	<5
TOLUENE	ug/l	<1.0	<1.0	<1		<1		<5	<5
CHLOROBENZENE	ug/l	<1.0	<1.0	<1		<1		<5	<5
ETHYLBENZENE	ug/l	<1.0	<1.0	<1		<1		<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITORING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	6/2/91	7/18/91	10/25/91	1/18/92	4/18/92
ALKALINITY, TOTAL	mg/l	784	752	818	931.00	1080.00
AMMONIA NITROGEN	mg/l	131	129	154	202.00	288.00
TOTAL COLIFORM	cfu/100 m	<2.2	<2.2	9.20	> 16	
BIOCHEMICAL OXYGEN DEMAND	mg/l	212	250	288	440.00	590.00
TOTAL ORGANIC CARBON	mg/l	70.00	77.00	90.00	130.00	180.00
CHEMICAL OXYGEN DEMAND	mg/l	400	480	420	710.00	880.00
CHLORIDE	mg/l	14	18	19	22.00	25.00
CYANIDE, TOTAL	mg/l	0.354	0.337	1.340	2.28	0.94
FLUORIDE	mg/l	0.2	0.1	<0.1	<0.1	<0.1
ALUMINUM, DISSOLVED	mg/l					
ARSENIC, DISSOLVED	mg/l		0.02	0.14	0.01	0.01
BARIUM, DISSOLVED	mg/l		0.3	0.8	0.20	0.30
CADMIUM, DISSOLVED	mg/l		<0.005	<0.005	<0.005	<0.005
CHROMIUM, DISSOLVED	mg/l		<0.05	0.58	<0.05	<0.05
IRON, DISSOLVED	mg/l					
LEAD, DISSOLVED	mg/l		<0.05	0.31	<0.05	<0.05
MANGANESE, DISSOLVED	mg/l					
MERCURY, DISSOLVED	mg/l		<0.0005	0.00	<0.0005	0.00
SELENIUM, DISSOLVED	mg/l		<0.005	<0.005	<0.005	<0.005
SILVER, DISSOLVED	mg/l		<0.01	<0.01	<0.01	<0.01
SODIUM, DISSOLVED	mg/l		309	322	517.00	695.00
NITRATE NITROGEN	mg/l	<0.5	<0.5	<0.5	<0.5	<2
TOTAL ORGANIC HALOGENS	ug/l	10.00	7.00	10.00	12.00	18.00
PHENOLICS	mg/l					
pH	standard	8.98	8.88	8.88	8.83	8.88
TOTAL DISSOLVED SOLIDS	mg/l	1210	1380	1380	2310.00	190.00
SPECIFIC CONDUCTANCE	umhos/cm	2510.00	2790.00	2790.00	4380.00	330.00
SULFATE	mg/l	295	428	428	948.00	23.00
HERBICIDES:						
2,4-D	ug/l					
2,4,6-TP	ug/l					
PESTICIDES:						
ENDRIN	ug/l					
LINDANE	ug/l					
METHOXYCHLOR	ug/l					
TOXAPHENE	ug/l					
ACID EXTRACTABLES:						
PHENOL	ug/l	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<25	<25	<25	<25	<25
4-NITROPHENOL	ug/l	<25	<25	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<25	<25	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<25	<25	<50	<50	<50
BASE/NEUTRAL EXTRACTABLES:						
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
NAPHTHALENE	ug/l	<10	<10	<10	<10	<10
HEXACHLOROBTADIENE	ug/l	<10	<10	<10	<10	<10
HEXCHLOROCCYCLOPENTADIENE	ug/l	<10	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10
ACENAPHTHENE	ug/l	<10	<10	<10	<10	<10
2,4-DINITROTOLUENE	ug/l	<10	<10	<10	<10	<10
FLUORENE	ug/l	<10	<10	<10	<10	<10
DIETHYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-8

PARAMETER	UNITS	6/2/91	7/18/91	10/26/91	1/16/92	4/16/92
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<20	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<20	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<20	<10	<10
PHENANTHRENE	ug/l	<10	20.00	<20	15.00	<10
ANTHRACENE	ug/l	<10	11.00	<20	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<20	<10	<10
FLUORANTHENE	ug/l	<10	32.00	<20	24.00	<10
BENZIDINE	ug/l	<25	<25	<200	<100	<10
PYRENE	ug/l	<10	31.00	<20	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<20	<10	<10
BENZIANTHRACENE	ug/l	<10	18.00	<20	12.00	<10
CHRYSENE	ug/l	<10	18.00	<20	13.00	<10
3,3'-DICHLOROBENZIDINE	ug/l	<25	<25	<40	<20	<10
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<20	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<20	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	14.00	<20	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10	13.00	<20	<10	<10
BENZOA(PYRENE	ug/l	<10	13.00	<20	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<20	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<20	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<20	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<20	<10	<10
VOLATILE ORGANICS:						
CHLOROMETHANE	ug/l	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<5	<5	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
BENZENE	ug/l	<5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5	<5	<5	<5	<5
TOLUENE	ug/l	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<5	<5	<5	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-8

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS FOR PERIOD 4/10/86 THROUGH 4/24/86.

(2) BENZ[A]ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/15/86.

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QUADRUPPLICATE SAMPLES.

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	8/1/88	10/30/88	1/11/89	4/5/89	7/10/89	10/11/89	1/8/91	2/20/91
1,2-DIPHENYLHYDRAZINE	ug/l	<10		<10	<10	<10	<10	<50	
4-BROMOPHENYL PHENYL ETHER	ug/l	<10		<10	<10	<10	<10	<50	
HEXACHLORO BENZENE	ug/l	<10		<10	<10	<10	<10	<50	
PHENANTHRENE	ug/l	13.00		27.00	21.00	14.00	<10	64.00	
ANTHRACENE	ug/l	<10		15.00	10.00	<10	<10	<50	
DI-N-BUTYL PHTHALATE	ug/l	<10		<10	<10	<10	<10	<50	
FLUORANTHENE	ug/l	26.00		44.00	28.00	24.00	12.00	113.00	
BENZIDINE	ug/l	<25		<25	<25	<25	<25	<130	
PYRENE	ug/l	21.00		45.00	30.00	25.00	11.00	116.00	
BUTYL BENZYL PHTHALATE	ug/l	<10		<10	<10	<10	<10	<50	
BENZ(A)ANTHRACENE	ug/l	<10		21.00	15.00	10.00	<10	50.00	
CHRYSENE	ug/l	11.00		23.00	17.00	11.00	<10	54.00	
3,3'-DICHLOROBENZIDINE	ug/l	<25		<25	<25	<25	<25	<130	
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10		<10	<10	<10	<10	<50	
DI-N-OCTYL PHTHALATE	ug/l	<10		<10	<10	<10	<10	<50	
BENZO(B)FLUORANTHENE	ug/l	<10		18.00	14.00	12.00	<10	59.00	
BENZO(K)FLUORANTHENE	ug/l	<10		12.00	<10	<10	<10	<50	
BENZO(A)PYRENE	ug/l	<10		18.00	12.00	<10	<10	<50	
INDENO(1,2,3-C)DIPYRENE	ug/l	<10		10.00	<10	<10	<10	<50	
DIBENZO(A,H)ANTHRACENE	ug/l	<10		<10	<10	<10	<10	<50	
BENZO(G,H,I)PERYLENE	ug/l	<10		10.00	<10	<10	<10	<50	
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l								
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<10		<10	<10	<10	<10	<10	
BROMOMETHANE	ug/l	<10		<10	<10	<10	<10	<10	
VINYL CHLORIDE	ug/l	<10		<10	<10	<10	<10	<10	
CHLOROETHANE	ug/l	<10		<10	<10	<10	<10	<10	
METHYLENE CHLORIDE	ug/l	<5		<5	<5	<5	<5	<5	
ACROLEIN	ug/l	<100		<100	<100	<100	<100	<100	
ACRYLONITRILE	ug/l	<100		<100	<100	<100	<100	<100	
TRANS-1,3-DICHLOROPROPENE	ug/l	<5		<5	<5	<5	<5	<5	
CIS-1,3-DICHLOROPROPENE	ug/l	<5		<5	<5	<5	<5	<5	
TRICHLOROFLUOROMETHANE	ug/l	<5		<5	<5	<5	<5	<5	
1,1-DICHLOROETHENE	ug/l	<5		<5	<5	<5	<5	<5	
1,1-DICHLOROETHANE	ug/l	<5		<5	<5	<5	<5	<5	
TRANS-1,2-DICHLOROETHENE	ug/l	<5		<5	<5	<5	<5	<5	
CHLOROFORM	ug/l	<5		<5	<5	<5	<5	<5	
1,2-DICHLOROETHANE	ug/l	<5		<5	<5	<5	<5	<5	
1,1,1-TRICHLOROETHANE	ug/l	<5		<5	<5	<5	<5	<5	
CARBON TETRACHLORIDE	ug/l	<5		<5	<5	<5	<5	<5	
BROMODICHLOROMETHANE	ug/l	<5		<5	<5	<5	<5	<5	
1,2-DICHLOROPROPANE	ug/l	<5		<5	<5	<5	<5	<5	
TRICHLOROETHENE	ug/l	<5		<5	<5	<5	<5	<5	
BENZENE	ug/l	<5		<5	<5	<5	<5	<5	
DIBROMOCHLOROMETHANE	ug/l	<5		<5	<5	<5	<5	<5	
1,1,2-TRICHLOROETHANE	ug/l	<5		<5	<5	<5	<5	<5	
2-CHLOROETHYL VINYL ETHER	ug/l	<10		<10	<10	<10	<10	<10	
BROMOFORM	ug/l	<5		<5	<5	<5	<5	<5	
TETRACHLOROETHENE	ug/l	<5		<5	<5	<5	<5	<5	
1,1,2,2-TETRACHLOROETHANE	ug/l	<5		<5	<5	<5	<5	<5	
TOLUENE	ug/l	<5		<5	<5	<5	<5	<5	
CHLOROBENZENE	ug/l	<5		<5	<5	<5	<5	<5	
ETHYLBENZENE	ug/l	<5		<5	<5	<5	<5	<5	

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	5/2/91	7/18/91	10/25/91	1/18/92	4/16/92
ALKALINITY, TOTAL	mg/l	283.00	318.00	400.00	385.00	
AMMONIA NITROGEN	mg/l	31.2	38.8	50.8	45.8	
TOTAL COLIFORM	cfu/100 ml	< 2.2	2.2	> 16	18.00	
BIOCHEMICAL OXYGEN DEMAND	mg/l	< 12	22.00	21.00	26.00	
TOTAL ORGANIC CARBON	mg/l	5.8	6.8	9.8	8.0	
CHEMICAL OXYGEN DEMAND	mg/l	130.00	480.00	< 50	< 50	
CHLORIDE	mg/l	8.00	8.00	15.00	24.00	
CYANIDE, TOTAL	mg/l	0.034	0.240	0.028	1.48	
FLUORIDE	mg/l	0.3	0.3	0.3	0.3	
ALUMINUM, DISSOLVED	mg/l					
ARSENIC, DISSOLVED	mg/l		0.08	0.40	< 0.01	
BARIUM, DISSOLVED	mg/l		0.4	0.4	< 0.1	
CADMIUM, DISSOLVED	mg/l		< 0.006	< 0.006	< 0.006	
CHROMIUM, DISSOLVED	mg/l		0.18	0.21	< 0.06	
IRON, DISSOLVED	mg/l					
LEAD, DISSOLVED	mg/l		0.44	0.45	< 0.06	
MANGANESE, DISSOLVED	mg/l					
MERCURY, DISSOLVED	mg/l		0.0028	0.0029	< 0.0005	
SELENIUM, DISSOLVED	mg/l		< 0.005	< 0.005	< 0.005	
SILVER, DISSOLVED	mg/l		< 0.01	< 0.01	< 0.01	
SODIUM, DISSOLVED	mg/l		37.2	45.0	55.4	
NITRATE NITROGEN	mg/l	< 0.5	< 0.5	< 0.5	< 0.5	
TOTAL ORGANIC HALOGENS	mg/l	< 5	< 5	8.00	< 5	
PHENOLICS	mg/l					
pH	standard	8.95	7.18	8.00	7.14	
TOTAL DISSOLVED SOLIDS	mg/l	420.00	430.00	600.00	560.00	
SPECIFIC CONDUCTANCE	umhos/cm	839.00	868.00	1070.00	1180.00	
SULFATE	mg/l	162.00	135.00	143.00	174.00	
HERBICIDES:						
2,4-D	ug/l					
2,4,5-TP	ug/l					
PESTICIDES:						
ENDRIN	ug/l					
LINDANE	ug/l					
METHOXYCHLOR	ug/l					
TOXAPHENE	ug/l					
ACID EXTRACTABLES:						
PHENOL	ug/l	< 10	< 10	< 20	< 10	
2-CHLOROPHENOL	ug/l	< 10	< 10	< 20	< 10	
2-NITROPHENOL	ug/l	< 10	< 10	< 20	< 10	
2,4-DIMETHYLPHENOL	ug/l	< 10	< 10	< 20	< 10	
2,4-DICHLOROPHENOL	ug/l	< 10	< 10	< 20	< 10	
4-CHLORO-3-METHYLPHENOL	ug/l	< 10	< 10	< 20	< 10	
2,4,6-TRICHLOROPHENOL	ug/l	< 10	< 10	< 20	< 10	
2,4-DINITROPHENOL	ug/l	< 25	< 25	< 50	< 25	
4-NITROPHENOL	ug/l	< 25	< 25	< 50	< 25	
2-METHYL-4,6-DINITROPHENOL	ug/l	< 25	< 25	< 50	< 25	
PENTACHLOROPHENOL	ug/l	< 25	< 50	< 100	< 50	
BASE/NEUTRAL EXTRACTABLES:						
N-NITROSODIMETHYLAMINE	ug/l	< 10	< 10	< 20	< 10	
BIS(2-CHLOROETHYL)ETHER	ug/l	< 10	< 10	< 20	< 10	
1,3-DICHLOROBENZENE	ug/l	< 10	< 10	< 20	< 10	
1,4-DICHLOROBENZENE	ug/l	< 10	< 10	< 20	< 10	
1,2-DICHLOROBENZENE	ug/l	< 10	< 10	< 20	< 10	
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	< 10	< 10	< 20	< 10	
HEXACHLOROETHANE	ug/l	< 10	< 10	< 20	< 10	
N-NITROSODI-N-PROPYLAMINE	ug/l	< 10	< 10	< 20	< 10	
NITROBENZENE	ug/l	< 10	< 10	< 20	< 10	
ISOPHORONE	ug/l	< 10	< 10	< 20	< 10	
BIS(2-CHLOROETHOXY)METHANE	ug/l	< 10	< 10	< 20	< 10	
1,2,4-TRICHLOROBENZENE	ug/l	< 10	< 10	< 20	< 10	
NAPHTHALENE	ug/l	< 10	48.00	< 20	32.00	
HEXACHLOROBTADIENE	ug/l	< 10	< 10	< 20	< 10	
HEXACHLOROCYCLOPENTADIENE	ug/l	< 10	< 10	< 20	< 10	
2-CHLORONAPHTHALENE	ug/l	< 10	< 10	< 20	< 10	
ACENAPHTHYLENE	ug/l	20.00	33.00	< 20	23.00	
DIMETHYL PHTHALATE	ug/l	< 10	< 10	< 20	< 10	
2,6-DINITROTOLUENE	ug/l	< 10	< 10	< 20	< 10	
ACENAPHTHENE	ug/l	35.00	56.00	37.00	51.00	
2,4-DINITROTOLUENE	ug/l	< 10	< 10	< 20	< 10	
FLUORENE	ug/l	20.00	51.00	< 20	34.00	
DIETHYL PHTHALATE	ug/l	< 10	< 10	< 20	< 10	
4-CHLOROPHENYL PHENYL ETHER	ug/l	< 10	< 10	< 20	< 10	
N-NITROSODIPHENYLAMINE	ug/l	< 10	< 10	< 20	< 10	

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	4/16/87	7/17/87	10/28/87	2/11/88	3/8/88	5/19/88	7/18/89	4/18/89
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10		<11	<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10		<11	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10		<11	<10	<10	<10	<10
PHENANTHRENE	ug/l	<10	<10		<11	<10	<10	<10	<10
ANTHRACENE	ug/l	<10	<10		<11	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10		<11	<10	<10	<10	<10
FLUORANTHENE	ug/l	17.00	<10		<11	<10	10.00	<10	<10
BENZIDINE	ug/l				<22	<20	<25	<25	<25
PYRENE	ug/l	17.00	<10		<11	<10	20.00	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10		<11	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10		<11	<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10		<11	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<20	<20		<22	<20	<25	<25	<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10		<11	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10		<11	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10		<11	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10		<11	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10		<11	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10		<11	<10	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10		<11	<10	<10	<10	<10
BENZO(G,H)PERYLENE	ug/l	<10	<10		<11	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10		<11	<10	<10	<10	<10
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<2.0	<2.0	<2		<2	<10	<10	<10
BROMOMETHANE	ug/l	<2.0	<2.0	<2		<2	<10	<10	<10
VINYL CHLORIDE	ug/l	<2.0	<2.0	<2		<2	<10	<10	<10
CHLOROETHANE	ug/l	<2.0	<2.0	<2		<2	<10	<10	<10
METHYLENE CHLORIDE	ug/l	24.00	<1.0	<1		<1	<5	<5	<5
ACROLEIN	ug/l						<100	<100	<100
ACRYLONITRILE	ug/l						<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l					<1	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
CHLOROFORM	ug/l	<1.0	<1.0	<1		<2	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
TRICHLOROETHENE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
BENZENE	ug/l	<1.0	<1.0			<1	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<2.0	<2.0	<2		<2	<10	<10	<10
BROMOFORM	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
TETRACHLOROETHENE	ug/l	<1.0	1.00	<1		<1	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
TOLUENE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
CHLOROBENZENE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5
ETHYLBENZENE	ug/l	<1.0	<1.0	<1		<1	<5	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	8/1/89	10/30/89	1/11/90	4/5/90	7/10/90	10/11/90	1/8/91	2/20/91
ALKALINITY, TOTAL	mg/l	384.00		347.00	314.00	380.00	454.00	348.00	
AMMONIA NITROGEN	mg/l	39.8		55.2	43.8	79.3	65.6	9.1	
TOTAL COLIFORM	cfu/100 ml	2.2		2.2	<2.2	<2.2	<2.2	<2.2	
BIOCHEMICAL OXYGEN DEMAND	mg/l	28.00		83	24.00		38.00	63.00	
TOTAL ORGANIC CARBON	mg/l	8.9		9.1	7.0	9.8	10.0	7.5	(4) 5.8
CHEMICAL OXYGEN DEMAND	mg/l	360.00		1280.00	430.00	80.00	270.00	1980.00	
CHLORIDE	mg/l	8.00		28.00	19.00	12.00	18.00	15.00	
CYANIDE, TOTAL	mg/l	0.162		0.410	0.104	0.158	0.067	0.427	
FLUORIDE	mg/l	0.3		0.2	0.2	0.3	0.2	0.1	
ALUMINUM, DISSOLVED	mg/l								
ARSENIC, DISSOLVED	mg/l	<0.01		0.01	<0.01	<0.01	<0.01	0.01	
BARIUM, DISSOLVED	mg/l	0.1		0.1	0.1	0.1	<0.2	<0.2	
CADMIUM, DISSOLVED	mg/l			<0.005	<0.005	<0.005	<0.005	<0.005	
CHROMIUM, DISSOLVED	mg/l	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	
IRON, DISSOLVED	mg/l								
LEAD, DISSOLVED	mg/l	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	
MANGANESE, DISSOLVED	mg/l								
MERCURY, DISSOLVED	mg/l	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
SELENIUM, DISSOLVED	mg/l	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	
SILVER, DISSOLVED	mg/l	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	
SODIUM, DISSOLVED	mg/l	43.4		45.1	39.3	65.8	74.8	37.5	
NITRATE NITROGEN	mg/l	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	
TOTAL ORGANIC HALOGENS	ug/l	<5		8.00	5.00	<5	8.00	11.00	(4) <10
PHENOLICS	mg/l								
pH	standard	7.20		7.48	7.24	7.12	7.43	8.97	(4) 6.82
TOTAL DISSOLVED SOLIDS	mg/l	430.00		540.00	570.00	570.00	550.00	500.00	
SPECIFIC CONDUCTANCE	umhos/cm	920.00		1180.00	1160.00	1270.00	1300.00	1030.00	(4) 1010
SULFATE	mg/l	145.00		218.00	249.00	180.00	189.00	157.00	
HERBICIDES:									
2,4-D	ug/l								
2,4,6-TP	ug/l								
PESTICIDES:									
ENDRIN	ug/l								
LINDANE	ug/l								
METHOXYCHLOR	ug/l								
TOXAPHENE	ug/l								
ACID EXTRACTABLES:									
PHENOL	ug/l	<10		<10	<10	<10	<10	<50	
2-CHLOROPHENOL	ug/l	<10		<10	<10	<10	<10	<50	
2-NITROPHENOL	ug/l	<10		<10	<10	<10	<10	<50	
2,4-DIMETHYLPHENOL	ug/l	<10		<10	<10	<10	<10	<50	
2,4-DICHLOROPHENOL	ug/l	<10		<10	<10	<10	<10	<50	
4-CHLORO-3-METHYLPHENOL	ug/l	<10		<10	<10	<10	<10	<50	
2,4,6-TRICHLOROPHENOL	ug/l	<10		<10	<10	<10	<10	<50	
2,4-DINITROPHENOL	ug/l	<25		<25	<25	<25	<25	<130	
4-NITROPHENOL	ug/l	<25		<25	<25	<25	<25	<130	
2-METHYL-4,6-DINITROPHENOL	ug/l	<25		<25	<25	<25	<25	<130	
PENTACHLOROPHENOL	ug/l	<25		<25	<25	<25	<25	<130	
BASE/NEUTRAL EXTRACTABLES:									
N-NITROSODIMETHYLAMINE	ug/l	<10		<10	<10	<10	<10	<50	
BIS(2-CHLOROETHYL)ETHER	ug/l	<10		<10	<10	<10	<10	<50	
1,3-DICHLOROBENZENE	ug/l	<10		<10	<10	<10	<10	<50	
1,4-DICHLOROBENZENE	ug/l	<10		<10	<10	<10	<10	<50	
1,2-DICHLOROBENZENE	ug/l	<10		<10	<10	<10	<10	<50	
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10		<10	<10	<10	<10	<50	
HEXACHLOROETHANE	ug/l	<10		<10	<10	<10	<10	<50	
N-NITROSODI-N-PROPYLAMINE	ug/l	<10		<10	<10	<10	<10	<50	
NITROBENZENE	ug/l	<10		<10	<10	<10	<10	<50	
ISOPHORONE	ug/l	<10		<10	<10	<10	<10	<50	
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10		<10	<10	<10	<10	<50	
1,2,4-TRICHLOROBENZENE	ug/l	<10		<10	<10	<10	<10	<50	
NAPHTHALENE	ug/l	44.00		72.00	68.00	34.00	18.00	180.00	
HEXACHLOROBUTADIENE	ug/l	<10		<10	<10	<10	<10	<50	
HEXACHLOROCYCLOPENTADIENE	ug/l	<10		<10	<10	<10	<10	<50	
2-CHLORONAPHTHALENE	ug/l	<10		<10	<10	<10	<10	<50	
ACENAPHTHYLENE	ug/l	35.00		37.00	36.00	32.00	25.00	<50	
DIMETHYL PHTHALATE	ug/l	<10		<10	<10	<10	<10	<50	
2,6-DINITROTOLUENE	ug/l	<10		<10	<10	<10	<10	<50	
ACENAPHTHENE	ug/l	69.00		69.00	83.00	71.00	66.00	154.00	
2,4-DINITROTOLUENE	ug/l	<10		<10	<10	<10	<10	<50	
FLUORENE	ug/l	45.00		49.00	47.00	40.00	33.00	111.00	
DIETHYL PHTHALATE	ug/l	<10		<10	<10	<10	<10	<50	
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10		<10	<10	<10	<10	<50	
N-NITROSODIPHENYLAMINE	ug/l	<10		<10	<10	<10	<10	<50	

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	5/2/91	7/18/91	10/25/91	1/16/92	4/16/92
ALKALINITY, TOTAL	mg/l	101	118	159	178	
AMMONIA NITROGEN	mg/l	1.20	2.70	3.00	4.70	
TOTAL COLIFORM	cfu/100 ml	9.20	>16	>16	<2.2	
BIOCHEMICAL OXYGEN DEMAND	mg/l	7.00	11.00	11.00	10	
TOTAL ORGANIC CARBON	mg/l	3.60	4.50	6.00	3.10	
CHEMICAL OXYGEN DEMAND	mg/l	100	110	120	90	
CHLORIDE	mg/l	3	3	3	3	
CYANIDE, TOTAL	mg/l	<0.005	<0.005	<0.005	<0.005	
FLUORIDE	mg/l	0.30	0.30	0.30	0.30	
ALUMINUM, DISSOLVED	mg/l					
ARSENIC, DISSOLVED	mg/l		0.09	0.08	<0.01	
BARIUM, DISSOLVED	mg/l		0.40	0.60	<0.1	
CADMIUM, DISSOLVED	mg/l		<0.005	<0.005	<0.005	
CHROMIUM, DISSOLVED	mg/l		0.27	0.30	<0.05	
IRON, DISSOLVED	mg/l					
LEAD, DISSOLVED	mg/l		0.38	0.55	<0.05	
MANGANESE, DISSOLVED	mg/l					
MERCURY, DISSOLVED	mg/l		0.0033	0.0038	<0.0005	
SELENIUM, DISSOLVED	mg/l		0.008	<0.005	<0.005	
SILVER, DISSOLVED	mg/l		<0.01	<0.01	<0.01	
SODIUM, DISSOLVED	mg/l		5.00	3.80	5.30	
NITRATE NITROGEN	mg/l	<0.5	<0.5	<0.5	<0.5	
TOTAL ORGANIC HALOGENS	ug/l	48	52	32	7	
PHENOLICS	mg/l					
pH	standard	6.53	6.53	6.46	6.45	
TOTAL DISSOLVED SOLIDS	mg/l	150	200	260	170	
SPECIFIC CONDUCTANCE	umhos/cm	253	292	389	380	
SULFATE	mg/l	18	19	16	11	
HERBICIDES:						
2,4-D	ug/l					
2,4,5-TP	ug/l					
PESTICIDES:						
ENDRIN	ug/l					
LINDANE	ug/l					
METHOXYCHLOR	ug/l					
TOXAPHENE	ug/l					
ACID EXTRACTABLES:						
PHENOL	ug/l	<10	<10	<10	<10	
2-CHLOROPHENOL	ug/l	<10	<10	<10	<10	
2-NITROPHENOL	ug/l	<10	<10	<10	<10	
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10	<10	
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10	<10	
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10	<10	
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10	<10	
2,4-DINITROPHENOL	ug/l	<25	<25	<25	<25	
4-NITROPHENOL	ug/l	<25	<25	<25	<25	
2-METHYL-4,6-DINITROPHENOL	ug/l	<25	<25	<25	<25	
PENTACHLOROPHENOL	ug/l	<25	<25	<50	<50	
BASE/NEUTRAL EXTRACTABLES:						
N-NITROSODIMETHYLAMINE	ug/l	<10	<10	<10	<10	
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10	<10	
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10	<10	
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<10	<10	
HEXACHLOROETHANE	ug/l	<10	<10	<10	<10	
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<10	<10	
NITROBENZENE	ug/l	<10	<10	<10	<10	
ISOPHORONE	ug/l	<10	<10	<10	<10	
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10	<10	
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10	<10	
NAPHTHALENE	ug/l	<10	55	78	38	
HEXACHLOROBTADIENE	ug/l	<10	<10	<10	<10	
HEXACHLOROCYCLOPENTADIENE	ug/l	<10	<10	<10	<10	
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10	<10	
ACENAPHTHYLENE	ug/l	<10	<10	<10	<10	
DIMETHYL PHTHALATE	ug/l	<10	<10	<10	<10	
2,6-DINITROTOLUENE	ug/l	<10	<10	<10	<10	
ACENAPHTHENE	ug/l	<10	38	66	38	
2,4-DINITROTOLUENE	ug/l	<10	<10	<10	<10	
FLUORENE	ug/l	<10	46	65	35	
DIETHYL PHTHALATE	ug/l	<10	<10	<10	<10	
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10	<10	
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10	<10	

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	6/2/01	7/18/01	10/25/01	1/16/02	4/16/02
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	<10	118	218	107	
ANTHRACENE	ug/l	<10	40	56	32	
DI-N-BUTYL PHTHALATE	ug/l	<10	89	<10	<10	
FLUORANTHENE	ug/l	<10	<10	102	68	
BENZIDINE	ug/l	<25	<25	<100	<100	
PYRENE	ug/l	<10	86	106	80	
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10	<10	
BENZ(A)ANTHRACENE	ug/l	<10	27.00	34	23	
CHRYSENE	ug/l	<10	31.00	36	24	
3,3'-DICHLOROBENZIDINE	ug/l	<25	<25	<20	<20	
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10	<10	
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	
BENZO(B)FLUORANTHENE	ug/l	<10	15	28	13	
BENZO(K)FLUORANTHENE	ug/l	<10	14	<10	11	
BENZO(A)PYRENE	ug/l	<10	16	<10	15	
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<10	<10	
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<10	<10	
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<10	<10	
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l					
VOLATILE ORGANICS:						
CHLOROMETHANE	ug/l	<10	<10	<10	<10	
BROMOMETHANE	ug/l	<10	<10	<10	<10	
VINYL CHLORIDE	ug/l	<10	<10	<10	<10	
CHLOROETHANE	ug/l	<10	<10	<10	<10	
METHYLENE CHLORIDE	ug/l	<5	<5	<5	<5	
ACROLEIN	ug/l	<100	<100	<100	<100	
ACRYLONITRILE	ug/l	<100	<100	<100	<100	
TRANS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5	<5	
CIS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5	<5	
TRICHLOROFLUOROMETHANE	ug/l	<5	<5	<5	<5	
1,1-DICHLOROETHENE	ug/l	<5	<5	<5	<5	
1,1-DICHLOROETHANE	ug/l	<5	<5	<5	<5	
TRANS-1,2-DICHLOROETHENE	ug/l	20	59	36	9	
CHLOROFORM	ug/l	<5	<5	<5	<5	
1,2-DICHLOROETHANE	ug/l	<5	<5	<5	<5	
1,1,1-TRICHLOROETHANE	ug/l	<5	<5	<5	<5	
CARBON TETRACHLORIDE	ug/l	<5	<5	<5	<5	
BROMODICHLOROMETHANE	ug/l	<5	<5	<5	<5	
1,2-DICHLOROPROPANE	ug/l	<5	<5	<5	<5	
TRICHLOROETHENE	ug/l	22	12	<5	<5	
BENZENE	ug/l	<5	<5	<5	<5	
DIBROMOCHLOROMETHANE	ug/l	<5	<5	<5	<5	
1,1,2-TRICHLOROETHANE	ug/l	<5	<5	<5	<5	
2-CHLOROETHYL VINYL ETHER	ug/l	<10	<10	<10	<10	
BROMOFORM	ug/l	<5	<5	<5	<5	
TETRACHLOROETHENE	ug/l	23	17	<5	<5	
1,1,2,2-TETRACHLOROETHANE	ug/l	<5	<5	<5	<5	
TOLUENE	ug/l	<5	<5	<5	<5	
CHLOROBENZENE	ug/l	<5	<5	<5	<5	
ETHYLBENZENE	ug/l	<5	<5	<5	<5	

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

NOTES:

(1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS F
PERIOD 4/10/85 THROUGH 4/24/86.

(2) BENZ[A]ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED, VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/16/85.

(3) ONLY SAMPLED FOR FECAL COLIFORM.

(4) THE VALUE REPORTED IS THE RESULT OF QUADRUPPLICATE SAMPLES.

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-8

PARAMETER	UNITS	4/16/87	7/17/87	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89
ALKALINITY, TOTAL	mg/l	218.00	288.00	257		327.00	288.00	259.00	338.00
AMMONIA NITROGEN	mg/l	43.5	52.00	72.00		89.0	45.0	80.0	82.5
TOTAL COLIFORM	cfu/100 ml	<2	<1	>40000		7600.00	(3) <10	<2.2	>18
BIOCHEMICAL OXYGEN DEMAND	mg/l	10.5	53.5	33.0		42.5	21.00	32.00	28.00
TOTAL ORGANIC CARBON	mg/l	5.9	15.2	13.9		4.27	8.2	7.00	9.9
CHEMICAL OXYGEN DEMAND	mg/l	1290.00	31.00	68.1		198.00	580.00	440.00	310.00
CHLORIDE	mg/l			25.8		31.2	8.00	24.00	12.00
CYANIDE, TOTAL	mg/l	3.1	2.9	10.9		1.78	0.102	6.20	0.014
FLUORIDE	mg/l	0.33	0.44	0.41		0.40	0.3	0.3	0.3
ALUMINUM, DISSOLVED	mg/l								
ARSENIC, DISSOLVED	mg/l						<0.01	<0.01	<0.01
BARIUM, DISSOLVED	mg/l						<0.1	0.1	0.1
CADMIUM, DISSOLVED	mg/l						<0.005	<0.005	<0.005
CHROMIUM, DISSOLVED	mg/l	<0.001	0.001	0.004		0.031	<0.05	<0.05	<0.05
IRON, DISSOLVED	mg/l	1.7	0.1	0.5		1.2			
LEAD, DISSOLVED	mg/l						<0.05	<0.05	<0.05
MANGANESE, DISSOLVED	mg/l	2.3	1.4	1.3		1.8			
MERCURY, DISSOLVED	mg/l						<0.0005	<0.0005	<0.0005
SELENIUM, DISSOLVED	mg/l						<0.005	<0.005	<0.005
SILVER, DISSOLVED	mg/l						<0.01	<0.01	<0.01
SODIUM, DISSOLVED	mg/l	40.8	97.00	83.00		72.0			64.5
NITRATE NITROGEN	mg/l	<0.28	<0.28	<0.21		<0.21	0.8	<0.5	<0.5
TOTAL ORGANIC HALOGENS	ug/l	<5	<10	142.00		113.00	5.00	<5	<5
PHENOLICS	mg/l	<0.005	<0.005	<0.005		0.009			
pH	standard	7.40	7.40	7.40		7.15	7.48	7.39	7.20
TOTAL DISSOLVED SOLIDS	mg/l	482.00	540.00	436.00		528.00	380.00	680.00	480.00
SPECIFIC CONDUCTANCE	umhos/cm	846.00	1110.00	1010.00		1180.00	820.00	1100.00	1040.00
SULFATE	mg/l	141.00	212.00	210.00		280.00	128.00	259.00	180.00
HERBICIDES:									
2,4-D	ug/l								
2,4,5-TP	ug/l								
PESTICIDES:									
ENDRIN	ug/l								
LINDANE	ug/l								
METHOXYCHLOR	ug/l								
TOXAPHENE	ug/l								
ACID EXTRACTABLES:									
PHENOL	ug/l	<10	<10		<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10		<10	<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10		<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10		<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10		<10	<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10		<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10		<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<50	<50		<50	<50	<25	<25	<25
4-NITROPHENOL	ug/l	<50	<50		<50	<50	<25	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<50	<50		<50	<50	<25	<25	<25
PENTACHLOROPHENOL	ug/l	<50	<50		<50	<50	<25	<25	<25
BASE/NEUTRAL EXTRACTABLES:									
N-NITROSODIMETHYLAMINE	ug/l				<11	<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10		<11	<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10		<11	<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10		<11	<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10		<11	<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10		<11	<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10		<11	<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10		<11	<10	<10	<10	<10
NITROBENZENE	ug/l	<10	<10		<11	<10	<10	<10	<10
ISOPHORONE	ug/l	<10	<10		<11	<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10		<11	<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10		<11	<10	<10	<10	<10
NAPHTHALENE	ug/l	<10	<10		29.00	<10	40.00	20.00	<10
HEXACHLOROBTADIENE	ug/l	<10	<10		<11	<10	<10	<10	<10
HEXCHLOROCYCLOPENTADIENE	ug/l	<10	<10		<11	<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10		<11	<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	16.00		21.00	<10	30.00	30.00	19.00
DIMETHYL PHTHALATE	ug/l	<10	<10		<11	<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10		<11	<10	<10	<10	<10
ACENAPHTHENE	ug/l	27.00	18.00		<11	13.00	60.00	40.00	35.00
2,4-DINITROTOLUENE	ug/l	<10	<10		<11	<10	<10	<10	<10
FLUORENE	ug/l	24.00	13.00		11.00	<10	30.00	20.00	18.00
DIETHYL PHTHALATE	ug/l	<10	<10		<11	<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10		<11	<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10		<11	<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-6

PARAMETER	UNITS	4/10/87	7/17/87	10/28/87	2/11/88	3/8/88	5/19/88	1/18/89	4/18/89
ALKALINITY, TOTAL	mg/l	128	130	145	98.0		126	.113	
AMMONIA NITROGEN	mg/l	1.70	2.30	2.88	0.64		4.82	0.6	145
TOTAL COLIFORM	cfu/100 ml	33	60	>8000	>8000		4200	* <10	<2.2
BIOCHEMICAL OXYGEN DEMAND	mg/l	5.30	10.60	27.0	15.0		8.50	<12	<12
TOTAL ORGANIC CARBON	mg/l	6.80	10.10	7.70	9.10		1.03	8.40	4.80
CHEMICAL OXYGEN DEMAND	mg/l	418	15	88.9	40.0		101	130	360
CHLORIDE	mg/l			<10	<10		<10	5	3
CYANIDE, TOTAL	mg/l	<0.006	<0.006	0.015	<0.008		<0.008	<0.006	<0.006
FLUORIDE	mg/l	0.33	0.42	0.36	0.34		0.34	0.30	0.30
ALUMINUM, DISSOLVED	mg/l								
ARSENIC, DISSOLVED	mg/l							<0.01	<0.01
BARIUM, DISSOLVED	mg/l							0.20	0.20
CADMIUM, DISSOLVED	mg/l							<0.006	<0.006
CHROMIUM, DISSOLVED	mg/l	<0.001	0.001	0.008	0.023		<0.002	<0.06	<0.06
IRON, DISSOLVED	mg/l	9.30	<0.1	0.7	21.0		11.80		
LEAD, DISSOLVED	mg/l							<0.06	<0.06
MANGANESE, DISSOLVED	mg/l	1.20	0.77	1.20	1.30		1.20		
MERCURY, DISSOLVED	mg/l							<0.0005	<0.0005
SELENIUM, DISSOLVED	mg/l							<0.006	<0.006
SILVER, DISSOLVED	mg/l							<0.01	<0.01
SODIUM, DISSOLVED	mg/l	5.20	6.30	7.11	6.50		4.80		
NITRATE NITROGEN	mg/l	<0.26	<0.26	<0.21	<0.21		<0.21	0.50	<0.5
TOTAL ORGANIC HALOGENS	ug/l	17	<10	84	152		158	140	68
PHENOLICS	mg/l	<0.006	<0.006	<0.006			<0.006		
pH	standard	6.79	6.67	6.23	6.67		6.50	6.44	6.71
TOTAL DISSOLVED SOLIDS	mg/l	244	242	247	248		206	210	210
SPECIFIC CONDUCTANCE	umhos/cm	326	346	314	281		312	310	3240
SULFATE	mg/l	31.80	52	23.30	47.60		41.90	67	35
HERBICIDES:									
2,4-D	ug/l								
2,4,5-TP	ug/l								
PESTICIDES:									
ENDRIN	ug/l								
LINDANE	ug/l								
METHOXYCHLOR	ug/l								
TOXAPHENE	ug/l								
ACID EXTRACTABLES:									
PHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2-NITROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	<10	<10	<10		<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	<50	<50	<10		<50	<50	<25	<25
4-NITROPHENOL	ug/l	<50	<50	<10		<50	<50	<25	<25
2-METHYL-4,6-DINITROPHENOL	ug/l	<50	<50	<10		<50	<50	<25	<25
PENTACHLOROPHENOL	ug/l	<50	<50	<10		<50	<50	<25	<25
BASE/NEUTRAL EXTRACTABLES:									
N-NITROSODIMETHYLAMINE	ug/l			<10		<10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10
1,3-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
1,4-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
1,2-DICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10
HEXACHLOROETHANE	ug/l	<10	<10	<10		<10	<10	<10	<10
N-NITROSODI-N-PROPYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10
NITROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
ISOPHORONE	ug/l	<10	<10	<10		<10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	<10	<10	<10		<10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
NAPHTHALENE	ug/l	43	15	28		18	11	30	20
HEXACHLOROBTADIENE	ug/l	<10	<10	<10		<10	<10	<10	<10
HEXCHLOROCCYCLOPENTADIENE	ug/l	<10	<10	<10		<10	<10	<10	<10
2-CHLORONAPHTHALENE	ug/l	<10	<10	<10		<10	<10	<10	<10
ACENAPHTHYLENE	ug/l	<10	<10	<10		<10	<10	<10	<10
DIMETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
2,6-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10	<10	<10
ACENAPHTHENE	ug/l	<10	11	27		12	<10	20	10
2,4-DINITROTOLUENE	ug/l	<10	<10	<10		<10	<10	<10	<10
FLUORENE	ug/l	15	14	24		10	<10	20	10
DIETHYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10
N-NITROSODIPHENYLAMINE	ug/l	<10	<10	<10		<10	<10	<10	<10

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-5

PARAMETER	UNITS	4/18/87	7/17/87	10/28/87	2/11/88	3/8/88	6/18/88	1/18/89	4/18/89
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10		<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10		<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10		<10	<10	<10	<10
PHENANTHRENE	ug/l	48	30	41		38	<10	70	30
ANTHRACENE	ug/l	<10	<10	12		10	<10	20	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
FLUORANTHENE	ug/l	19	<10	20		14	<10	50	20
BENZIDINE	ug/l	<10		<20		<20	<20	<25	<25
PYRENE	ug/l	<10	17	20		32	<10	50	20
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10		<10	<10	20	<10
CHRYSENE	ug/l	<10	<10	<10		<10	<10	20	10
3,3'-DICHLOROBENZIDINE	ug/l	<20	<20	<20		<10	<20	<25	<25
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10		<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	20	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<10		<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10	<10		<10	<10	10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<10		<10	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<10		<10	<10	<10	<10
BENZO(G,H)PERYLENE	ug/l	<10	<10	<10		<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<10		<10	<10	<10	<10
VOLATILE ORGANICS:									
CHLOROMETHANE	ug/l	<2	<2	<2	<2		<2	<10	<10
BROMOMETHANE	ug/l	<2	<2	<2	<2		<2	<10	<10
VINYL CHLORIDE	ug/l	<2	<2	<2	<2		<2	<10	<10
CHLOROETHANE	ug/l	<2	<2	<2	<2		<2	<10	<10
METHYLENE CHLORIDE	ug/l	19	<1	<1	<1		<1	<5	<5
ACROLEIN	ug/l							<100	<100
ACRYLONITRILE	ug/l							<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<1	<1	<1	<1		<1	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<1	<1	<1	<1		<1	<5	<5
TRICHLOROFLUOROMETHANE	ug/l							<5	<5
1,1-DICHLOROETHENE	ug/l	<1	<1	<1	<1		<1	<5	<5
1,1-DICHLOROETHANE	ug/l	<1	<1	<1	<1		<1	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<1	5.90	10	8		8	14	9
CHLOROFORM	ug/l	<1	<0.1	<1	<1		<2	<5	<5
1,2-DICHLOROETHANE	ug/l	<1	<1	<1	<1		<1	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<1	<1	<1	<1		<1	<5	<5
CARBON TETRACHLORIDE	ug/l	<1	<1	<1	<1		<1	<5	<5
BROMODICHLOROMETHANE	ug/l	<1	<1	<1	<1		<1	<5	<5
1,2-DICHLOROPROPANE	ug/l	<1	<1	<1	<1		<1	<5	<5
TRICHLOROETHENE	ug/l	<1	81	55	39		11	81	20
BENZENE	ug/l	<1	<1	<1	<1		<1	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<1	<1	<1	<1		<1	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<1	<1	<1	<1		<1	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<2	<2	<1	<2		<1	<10	<10
BROMOFORM	ug/l	<1	<1	<1	<1		<1	<5	<5
TETRACHLOROETHENE	ug/l	<1	85	41	28		18	140	44
1,1,2,2-TETRACHLOROETHANE	ug/l	<1	<1	<1	<1		<1	<5	<5
TOLUENE	ug/l	<1	<1	<1	<1		<1	<5	<5
CHLOROBENZENE	ug/l	<1	<1	<1	<1		<1	<5	<5
ETHYLBENZENE	ug/l	<1	<1	<1	<1		1	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITORING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

PARAMETER	UNITS	6/2/91	7/18/91	10/25/91	1/16/92	4/16/92
1,2-DIPHENYLHYDRAZINE	ug/l	<10	<10	<10	<10	<10
4-BROMOPHENYL PHENYL ETHER	ug/l	<10	<10	<10	<10	<10
HEXACHLOROBENZENE	ug/l	<10	<10	<10	<10	<10
PHENANTHRENE	ug/l	<10	<10	<10	<10	<10
ANTHRACENE	ug/l	<10	<10	<10	<10	<10
DI-N-BUTYL PHTHALATE	ug/l	<10	<10	<10	<10	18.00
FLUORANTHENE	ug/l	<10	<10	<10	<10	13.00
BENZIDINE	ug/l	<25	<25	<100	<10	14.00
PYRENE	ug/l	<10	<10	<10	<10	<10
BUTYL BENZYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
BENZ(A)ANTHRACENE	ug/l	<10	<10	<10	<10	<10
CHRYSENE	ug/l	<10	<10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	ug/l	<25	<25	<20	<10	<10
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	<10	<10	<10	<10	<10
DI-N-OCTYL PHTHALATE	ug/l	<10	<10	<10	<10	<10
BENZO(B)FLUORANTHENE	ug/l	<10	<10	<10	<10	<10
BENZO(K)FLUORANTHENE	ug/l	<10	<10	<10	<10	<10
BENZO(A)PYRENE	ug/l	<10	<10	<10	<10	<10
INDENO(1,2,3-C,D)PYRENE	ug/l	<10	<10	<10	<10	<10
DIBENZO(A,H)ANTHRACENE	ug/l	<10	<10	<10	<10	<10
BENZO(G,H,I)PERYLENE	ug/l	<10	<10	<10	<10	<10
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ug/l	<10	<10	<10	<10	<10
VOLATILE ORGANICS:						
CHLOROMETHANE	ug/l	<10	<10	<10	<10	<10
BROMOMETHANE	ug/l	<10	<10	<10	<10	<10
VINYL CHLORIDE	ug/l	<10	<10	<10	<10	<10
CHLOROETHANE	ug/l	<10	<10	<10	<10	<10
METHYLENE CHLORIDE	ug/l	<5	<5	<5	<5	<5
ACROLEIN	ug/l	<100	<100	<100	<100	<100
ACRYLONITRILE	ug/l	<100	<100	<100	<100	<100
TRANS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	ug/l	<5	<5	<5	<5	<5
TRICHLOROFLUOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,1-DICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
CHLOROFORM	ug/l	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
CARBON TETRACHLORIDE	ug/l	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	ug/l	<5	<5	<5	<5	<5
TRICHLOROETHENE	ug/l	<5	<5	<5	<5	<5
BENZENE	ug/l	<5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	ug/l	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	ug/l	<5	<5	<5	<5	<5
2-CHLOROETHYL VINYL ETHER	ug/l	<10	<10	<10	<10	<10
BROMOFORM	ug/l	<5	<5	<5	<5	<5
TETRACHLOROETHENE	ug/l	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	<5	<5	<5	<5	<5
TOLUENE	ug/l	<5	<5	<5	<5	<5
CHLOROBENZENE	ug/l	<5	<5	<5	<5	<5
ETHYLBENZENE	ug/l	<5	<5	<5	<5	<5

PHILADELPHIA COKE COMPANY
GROUNDWATER MONITORING DATABASE

MONITORING WELL W-4
MONITORING WELL W-4R (REPLACING W-4 AS OF 4-18-89)

NOTES:

- (1) 1,3 CIS-DICHLOROPROPENE AND 1,3 TRANS-DICHLOROPROPENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS FOR PERIOD 4/10/85 THROUGH 4/24/86.
- (2) BENZ(A)ANTHRACENE AND CHRYSENE COULD NOT BE RESOLVED. VALUES REPORTED INDICATE THE SUM OF BOTH COMPOUNDS. 10/15/86.
- (3) ONLY SAMPLED FOR FECAL COLIFORM.
- (4) THE VALUE REPORTED IS THE RESULT OF QUADRUPPLICATE SAMPLES.