

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF WASTE MANAGEMENT

INSPECTION REPORT COMMENTS

Date of Inspection November 22, 1994 Identification Number PAD 000427906  
 Company/Facility/Site Name Philadelphia Coke Company (PCC) - 4501 Richmond St., Philadelphia  
Department had previously reviewed and approved PCC Closure Plan. The closure  
analytical data and plan procedures were reviewed by Departments chemist,  
Mr. Calvin Ligons (chemical clean up and decontamination) and myself (Engineering  
and decontamination) Mr. Thomas Cunningham reviewed groundwater well monitoring  
data. Mr. James Hustead P.E., supervised closure and monitoring aspects on behalf  
of the company.  
The hazardous wastes K087 (decanter tank tar sludge) and S003 (spent iron oxide)  
were removed, facility decontaminated and waste were manifested. Result of chemical  
decontamination and varification by means of analytical results of rinse water were  
reviewed by Mr. Ligons and found to be satisfactory.  
To prevent public nuance, all the buildings were demolished and site was graded.  
The ground water well monitoring must continue and the company must submit  
monitoring well test data regularly to the Department.  
Closure certification from Mr. James Hustead P. E. (Woodward Clyde Consultants)  
engineering and Mr. Michael Cawley corporate certification were submitted and accepted.  
The Department considers this site properly closed.

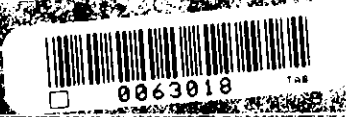
*This inspection report is notice of the findings of an inspection conducted by a representative of the Department. This report is formal notification of any violations observed during the inspection. Additional notification of violations may be issued concerning either violations noted herein, or other violations identified as a result of review of laboratory analyses or Department records.*

*This report does not constitute an order or other appealable action of the Department. Nothing contained herein shall be deemed to grant or imply immunity from legal action for any violation noted herein.*

*Signature by the person interviewed does not necessarily imply concurrence with the findings on this report, but does acknowledge that the person was shown the report or that a copy was left with the person.*

Person interviewed (signature) James V. Hustead / Dept for Philadelphia Date 2/21/95  
 Inspector (signature) Dineel Rajkumar Date 2/21/95

2000 Rept at 1989



P

341346  
PAD000427906  
5'

PHILADELPHIA COKE COMPANY INC  
FACILITIES  
1989  
TECH RPTS  
PHILADELPHIA

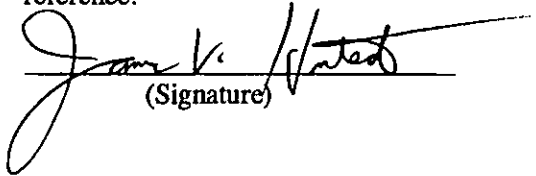
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RECEIVED  
SOUTHEAST REGION

DEC 30 1994

### PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

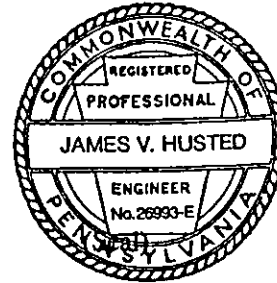
I, James V. Husted, a Professional Engineer registered pursuant to the Professional Engineers Registration Law, 63 P.S. §§148 et seq., hereby certify that I have reviewed the Closure Plan for the Former Coke Manufacturing Plant at The Philadelphia Coke Company ("facility"), located at 4501 Richmond Street, Philadelphia, Pennsylvania, that I am familiar with the rules and regulations of the Pennsylvania Department of Environmental Resources pertaining to closure of such facility, and that I personally have made visual inspection(s) of the aforementioned facility, and that the closure of the aforementioned facility has been performed in full and complete accordance with the facility's closure plan approved in writing by the Department of Environmental Resources on December 13, 1983, and the rules and regulations of the Department codified at 25 Pa. Code Chapter 75. The December 1992 Closure Certification Report of Woodward-Clyde Consultants, the Department of Environmental Resources' July 14, 1994 letter, and the October 19, 1994 letter of Woodward-Clyde Consultants regarding such closure are incorporated herein by reference.

  
(Signature)

December 28, 1994  
(Date)

PE-026993-E  
(Professional Engineering License Number)

Woodward-Clyde Consultants  
5120 Butler Pike, Plymouth Meeting, PA 19462  
(Business Address)



(610) 825-3000  
(Telephone Number)

OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, Philadelphia Coke Co. Inc., a Corporation incorporated under the laws in the State of Delaware and qualified to do business in Pennsylvania, with its principal place of business at 9 Riverside Road, Weston, MA, which formerly owned and operated a gas manufacturing and coke production facility (hereinafter "Facility") known as Philadelphia Coke Company and located at 4501 Richmond Street, Philadelphia, Pennsylvania has permanently ceased the active operation of the Facility and has fully implemented all measures relating to the closure of the Facility as approved in writing by the Department of Environmental Resources on December 13, 1983.

Now, therefore, Philadelphia Coke Co. Inc. hereby swears and affirms that the above-named Facility has been closed in accordance with the Facility's closure plan approved in writing by the Department of Environmental resources 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 Chapter 75 have been fully implemented.

  
-----

Assistant Vice President  
-----

Philadelphia Coke Company  
-----

9 Riverside Road Weston, MA  
-----

Taken, sworn and subscribed before me, this

23rd day of December ----- A.D. 1994

  
-----

Michael F. Kell my commission expires 6/12/98

(Notary)

RECEIVED  
SOUTHEAST REGION  
SEP 29 1994



9 Riverside Road  
Weston, Massachusetts 02193  
Tel: 617-647-2300  
Fax: 617-647-2350

Michael J. Cawley, ARM  
Assistant Vice President - Insurance

September 28, 1994

VIA FAX 610-832-6259 AND OVERNIGHT MAIL

Mr. Dinesh Rajkotia  
Pennsylvania Department of Environmental Resources  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

Re: Revised Grading Plan  
Philadelphia Coke Company  
Philadelphia, PA

Dear Mr. Rajkotia:

Below we outline our proposed plan to complete the grading program at the former Philadelphia Coke Company site. This plan has been revised to take into consideration the Department's comments as set forth in your July 14, 1994 letter.

- The overall existing topography of the site is very flat with variability only in certain localized areas. Existing fill materials will be regraded as required in those localized areas to fill in depressions as appropriate. Although no specific finished elevation goal or contour configuration will be sought, the clear goal of this regrading operation will be to move elevated volumes of fill into depressions and thereby smooth the overall site topography.
- Clean soil will be imported and spread in a layer approximately 6 inches thick on those areas disturbed from the regrading operations. The clean imported soil will be prepared by raking and liming as necessary and then hydroseeded with a native grass/vegetation/binder/fertilizer mixture.
- The grading operation will be continuously observed by a Woodward-Clyde representative.

Philadelphia Coke is prepared to proceed immediately to implement the above-described plan. Assuming your approval is forthcoming, we expect all work would be completed by late fall. It should be mentioned that Philadelphia Coke has no definitive plans for use of the area.

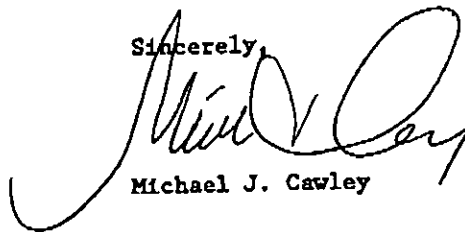
Reference is hereby made to the declaration of trust establishing Eastern Enterprises (formerly Eastern Gas and Fuel Associates) dated July 18, 1929, as amended, a copy of which is on file in the office of the Secretary of the Commonwealth of Massachusetts. The name "Eastern Enterprises" refers to the trustee under said declaration as trustee and not personally and no trustee, shareholder, officer or agent of Eastern Enterprises shall be held to any personal liability in connection with the affairs of said Eastern Enterprises, but the trust estate only is liable.

Mr. Dinesh Rajkotia  
September 28, 1994  
Page 2.

In the event that you have questions or concerns on the above, a representative from our engineering firm (James V. Husted of Woodward-Clyde) and I would like to meet with you in an immediate face-to-face meeting so that we can resolve any open issues and proceed ahead to RCRA closure.

I'll be contacting you in the near future to get your approval on the above.

Sincerely,



Michael J. Cawley

MJC/pms





RECEIVED  
JUN 24 1994

9 Riverside Road  
Weston, Massachusetts 02193  
Tel: 617-647-2300  
Fax: 617-647-2350

Michael J. Cawley, ARM  
Assistant Vice President - Insurance

June 24, 1994

VIA FAX AND REGULAR MAIL

Mr. Dinesh Rajkotia  
Pennsylvania Department of Environmental Resources  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

Re: Revised Grading Plan  
Philadelphia Coke Company  
Philadelphia, PA

Dear Mr. Rajkotia:

I left a voice mail with you this morning inquiring about the status of the grading plan submitted to your office on May 3, 1994. That plan, as you know, had been revised after conversations between you and Woodward Clyde's Jim Husted. As you also know, this is the final step required for RCRA closure of this site. As representative of a company that has devoted considerable resources over an extended period of time at this site, I must be honest and say I am frustrated at our inability to agree on this last element standing in the way of closure. I would appreciate whatever you can do to expedite the review and, hopefully, approval of our grading plan submission.

Thank you in advance for your assistance.

Sincerely,

A handwritten signature in cursive script that reads "Michael J. Cawley".

Michael J. Cawley

MJC/pms



9 Riverside Road  
Weston, Massachusetts 02193  
Tel: 617-647-2300  
Fax: 617-647-2350

DER-RECEIVED  
SOUTHEAST REGION

Michael J. Cawley, ARM  
Assistant Vice President - Insurance

December 23, 1993

DEC 27 1993

Mr. Dinesh Rajkotia  
Pennsylvania Department of Environmental Resources  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

Re: Philadelphia Coke Company

Dear Mr. Rajkotia:

As you know, the captioned site was re-inspected on November 22nd. We understand that we've now satisfied all known requirements with regard to RCRA closure and we greatly look forward to written acknowledgement of closure from you.

Thanks in advance for your continued assistance.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael J. Cawley", written in a cursive style.

Michael J. Cawley

MJC/pms

cc: Jim Husted



**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 Seal Pot, 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 September 16, 1993, 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.

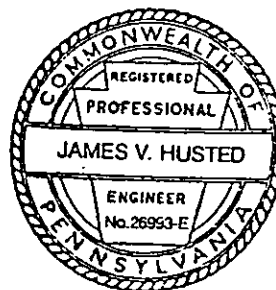
James V. Husted  
(Signature)

12/7/93  
(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 Co., Inc., 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 a seal pot and located at Philadelphia Coke Co., Inc., 4501 Richmond Street, Philadelphia, Pennsylvania, in Philadelphia County, Pennsylvania, has completed and permanently ceased the active operation of that HWMU and has fully implemented all measures relating to the closure of that HWMU as set forth in the Closure Plan documents approved by the Pennsylvania Department of Environmental Resources via letter dated September 16, 1993.

NOW, THEREFORE, the undersigned, Philadelphia Coke Co., Inc. 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 documents approved in writing by the Department on December 13, 1983 and September 16, 1993, that all measures relating to the closure of the facility required by the Closure Plan documents 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.

Michael Crowley  
(Signature)  
AVP - Philadelphia Coke Co., Inc.  
(Title)

c/o Eastern Enterprises  
9 Riverside Road, Weston, MA 02193  
(Address)

Taken, sworn and subscribed before me, this  
24<sup>th</sup> day of November, A.D. 1993  
Susan E. Carlson  
(Notary)

RECEIVED  
SOUTHWEST REGION

NOV 29 1993



9 Riverside Road  
Weston, Massachusetts 02193  
Tel: 617-647-2300  
Fax: 617-647-2350

Michael J. Cawley, ARM  
Assistant Vice President - Insurance

November 23, 1993

Mr. Dinesh Rajkotia  
Pennsylvania Department of Environmental Resources  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

Re: Philadelphia Coke Company

Dear Mr. Rajkotia:

I have been informed by Jim Husted of Woodward-Clyde Consultants that yesterday's re-inspection of the captioned site for RCRA certification went well. I'm sorry I was unable to attend the meeting but I appreciate your flexibility in getting this inspection completed during November.

We'll be providing you with the necessary paperwork for the sealpot closure certification over the next several days. I'd ask that you, as soon as possible after receiving that information, acknowledge that the entire closure process has been completed in accord with all regulations. We are certainly intent on getting this all done in early December and, again, I ask for your assistance in meeting this deadline.

Sincerely,

Michael J. Cawley

MJC/pms

cc: Jim Husted



9 Riverside Road  
Weston, Massachusetts 02193  
Tel: 617-647-2300  
Fax: 617-647-2350

November 4, 1993

RECEIVED  
NOV 05 1993

Michael J. Cawley, ARM  
Assistant Vice President - Insurance

VIA OVERNIGHT MAIL

Mr. Dinesh Rajkotia  
Pennsylvania Department of Environmental Resources  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

Re: Philadelphia Coke Company

Dear Mr. Rajkotia:

We remain extremely desirous of scheduling a final inspection on the captioned site as suggested by Larry Lunsik in a September 16, 1993 letter to me (attached). We'd very much like to get this done during the week of November 15. I'd appreciate whatever you can do to facilitate this process. Woodward Clyde's Jim Husted will be contacting you to set up a date.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael J. Cawley", written over a horizontal line.

Michael J. Cawley

MJC/pms  
Enclosure



OCT 24 1993

9 Riverside Road  
Weston, Massachusetts 02193  
Tel: 617-647-2300  
Fax: 617-647-2350

Michael J. Cawley, ARM  
Assistant Vice President - Insurance

October 20, 1993

Mr. Dinesh Rajkotia  
PA Department of Environmental Resources  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

Re: Philadelphia Coke Company

Dear Mr. Rajkotia:

I have been informed by Jim Husted of Woodward-Clyde Consultants that the one remaining element in our RCRA certification process - the seal pot closure - has been completed and our site is now available for final closure inspection.

Mr. Husted has also told me that he called you today to set up that inspection and we're now looking at an early November scheduling. I'd very much like to attend that meeting. I would reemphasize to you how badly we want to draw this whole RCRA closure process to an end. I appreciate in advance all your assistance in getting the inspection scheduled as soon in November as possible.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael J. Cawley", written over a large, stylized flourish.

Michael J. Cawley

MJC/pms

cc: Jim Husted



9 Riverside Road  
Weston, Massachusetts 02193  
Tel: 617-647-2300  
Fax: 617-647-2350

Michael J. Cawley, ARM  
Assistant Vice President - Insurance

September 21, 1993

REC-RECEIVED  
SOUTHEAST REGION

SEP 22 1993

VIA OVERNIGHT MAIL

Mr. Dinesh Rajkotia  
Pennsylvania Department of Environmental Resources  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

Re: Philadelphia Coke Company

Dear Mr. Rajkotia:

Enclosed is a proposed grading plan for the captioned site. This represents the final one of three open items that were identified in a site visit on May 4, 1993. The other two items - a groundwater monitoring plan and a seal pot closure - have been agreed to by PADER per Larry Lusk's September 16, 1993 letter to me (attached).

Since this grading plan is fairly straightforward and represents the final step towards closure certification, either I or Jim Husted of Woodward Clyde will be contacting you over the next several days to schedule an inspection as suggested by Mr. Lusk.

I appreciate your ongoing assistance in helping us to expedite this closure process.

Sincerely,

A handwritten signature in cursive script that reads "Mike Cawley".

Michael J. Cawley

MJC/pms  
Enclosure



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
FIELD OPERATIONS - WASTE MANAGEMENT  
Suite 6010, Lee Park  
555 North Lane  
Conshohocken, PA 19428  
215 832-6212

September 16, 1993

Mr. Michael J. Cawley  
Eastern Enterprises  
9 Riverside Road  
Weston, MA 02193

Dear Mr. Cawley:

This letter is written in response to your September 2, 1993 letter to Mr. Dinesh Rajkotia concerning an amendment submitted to the groundwater monitoring plan for the Philadelphia Coke Company closed hazardous waste site located in the City of Philadelphia.

We have the following comments on this amended groundwater monitoring plan:

1. There were five compounds which were site related which are potentially mobile. They are naphthalene, benzene, toluene, ethylbenzene and ammonia nitrogen. The plan stated that these compounds should be monitored on an annual basis. We disagree because monitoring well No. 2R and monitoring well No. 5 show continued high readings of polycyclic aromatic hydrocarbons (PAH) some of which are well above their respective MCL. Benzene levels in some chlorinated compounds have also been detected above the MCL in monitoring well No. 5. Annual analysis will not be enough to track trends or potential problems. Therefore, quarterly analysis must continue for BTEX, TCE, PCE and the PAH's.
2. The remaining parameter analysis plan appears to be satisfactory. The RCRA groundwater indicators such as pH, TOC, TO and specific conductance can continue being monitoring on a quarterly basis. Chlorides, iron, manganese, phenols, sodium and sulfates can be monitored on a semi-annual basis.

The seal pot closure item which refers to an asphalt coating and a concrete sump being left in-place is acceptable.

Once all items have been completed for closure certification, contact Mr. Dinesh Rajkotia of this office to schedule an inspection.

Very truly yours,

LAWRENCE H. LUNSK  
Facilities Manager

cc: Mr. Dinda  
Re 30 (KAL)253.11

**DNR**  
**MICHIGAN DEPARTMENT  
OF NATURAL RESOURCES**

DO NOT WRITE IN THIS SPACE  
ATT.  DIS.  REJ.  PR.

Required under authority of Act 84, PA 1976, as amended and Act 136, PA 1988.  
Failure to file is punishable under section 259.246 MCL or section 10 of Act 136, PA 1988.

Form Approved. OMB No. 2080-0098 Expires 8-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. P 1 A 0 0 0 0 4 2 7 9 0 6 0 0 0 0 0 4

2. Page 1 of 1

3. Generator's Name and Mailing Address  
Philadelphia Coke c/o Woodward Clyde Consultants  
5120 Butler Pike  
Plymouth Meeting, PA 19462

4. Generator's Phone (215) 540-0304

5. Transporter 1 Company Name  
Freehold Cartage Inc.

6. US EPA ID Number NJ P P 5 4 1 2 6 1 6 4

7. Transporter 2 Company Name  
Freehold Cartage Inc.

8. US EPA ID Number NJ I I 0 5 4 1 1 2 6 1 6 4

9. Designated Facility Name and Site Address  
Wayne Disposal Inc.  
49350 North I-94 Service Drive  
Belleville, MI 48111

10. US EPA ID Number MI D 0 4 8 0 9 0 6 3 3

A. State Manifest Document Number  
MI 3002851

B. State Generator's ID  
4501 Richmond, Phila., PA

C. State Transporter's ID  
PA AH0067

D. Transporter's Phone  
908-662-7001

E. State Transporter's ID  
462

F. Transporter's Phone  
908-662-1001

G. State Facility's ID

H. Facility's Phone  
(313) 897-7830

a.	b.	c.	d.	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER)			12. Containers		13. Total	14. Unit	1. Waste		
				HM	ID NUMBER	No.	Type	Quantity	M/Vol	No.	NH		
X				RQ, Hazardous Waste Solid, NOS, (Benzene, D018), 9, NA3077, PG III, (D018)	0	1	C	M	XIXXIZIO	Y	D	018	H

J. Additional Descriptions for Materials Listed Above  
ERG#31, RQ = 10 lbs.  
Approval: 011293 NA

K. Handling Codes for Wastes Listed Above  
a/2 /  
b/ /  
c/ /  
d/ /

15. Special Handling Instructions and Additional Information  
Emergency Number: 215-540-0304, 215-941-1247 NJ DEP# NJ S2265 TRK# 456 TSS4 TD NJ

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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

Printed/Typed Name: PAUL THOMPSON / AGENT FOR PHILA. COKE CO. Signature: [Signature] Date: 6/16/1988

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name: ROBERT MAZZEO Signature: [Signature] Date: 01/21/88

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name: David Page Signature: [Signature] Date: 01/24/1988

19. Discrepancy Indications Space  
CP

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.  
Printed/Typed Name: Thomas Beatty Signature: [Signature] Date: 01/25/88

ALL SPILLS MUST BE REPORTED TO THE INCREASED POLLUTION EMERGENCY ALERTING SYSTEM BY TELEPHONE OR OUT OF STATE BY TELEPHONE AND THE NATIONAL RESPONSE CENTER AT 1-800-968-6368 IN 15 MINUTES PER DAY.