State of Ohio Environmental Protection Agency

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Columbus, Ohio 43215

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MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

12/26/2008

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Robert Brislin
Haverhill North Coke Company
2446 Gallia Pike
Franklin Furnace, OH 45629-8837

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0773000182
Permit Number: P0104223
Permit Type: OAC Chapter 3745-31 Modification
County: Scioto

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of $70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. If you have any questions regarding this permit, please contact the Portsmouth City Health Dept., Air Pollution Unit. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page http://www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA Region 5 *Via E-Mail Notification*
Portsmouth City Health Dept., Air Pollution Unit

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

FINAL

Air Pollution Permit-to-Install
for
Haverhill North Coke Company

Facility ID: 0773000182
Permit Number: P0104223
Permit Type: OAC Chapter 3745-31 Modification
Issued: 12/26/2008
Effective: 12/26/2008

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install
for
Haverhill North Coke Company

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Authorization

Facility ID: 0773000182
Facility Description: Two 100 oven nonrecovery coke batteries, two quench towers, paved roads, coal handling, storage piles, coke processing.
Application Number(s): A0036553
Permit Number: P0104223
Permit Description: Chapter 31 modification to add a 15 acre emergency coke storage pile
Permit Type: OAC Chapter 3745-31 Modification
Permit Fee: $1,650.00
Issue Date: 12/26/2008
Effective Date: 12/26/2008

This document constitutes issuance to:

Haverhill North Coke Company
2446 Gallia Pike
Franklin Furnace, OH 45629-8837

Of a Permit-to-Install for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Portsmouth City Health Dept., Air Pollution Unit
605 Washington Street
3rd Floor
Portsmouth, OH 45662
(740)353-5156

The above named entity is hereby granted a Permit-to-Install for the emissions unit(s) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Authorization (continued)

Permit Number: P0104223
Permit Description: Chapter 31 modification to add a 15 acre emergency coke storage pile

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	**F001**
Company Equipment ID:	Paved roadways and parking areas
Superseded Permit Number:	07-00511
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**F002**
Company Equipment ID:	Coal & coke storage piles
Superseded Permit Number:	07-00511
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**F004**
Company Equipment ID:	Coke and breeze handling and processing
Superseded Permit Number:	07-00511
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A. 2.a), Severability Clause

(2) Standard Term and Condition A. 3.c) through A. 3.e) General Requirements

(3) Standard Term and Condition A. 6.c) and A. 6.d), Compliance Requirements

(4) Standard Term and Condition A. 9., Reporting Requirements

(5) Standard Term and Condition A. 10., Applicability

(6) Standard Term and Condition A. 11.b) through A. 11.e), Construction of New Source(s) and Authorization to Install

(7) Standard Term and Condition A. 14., Public Disclosure

(8) Standard Term and Condition A. 15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(9) Standard Term and Condition A. 16., Fees

(10) Standard Term and Condition A. 17., Permit Transfers

2. Severability Clause

a) A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

a) The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification.

b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c) This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d) This permit does not convey any property rights of any sort, or any exclusive privilege.

e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

4. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.

b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

(1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Portsmouth City Health Dept., Air Pollution Unit.

(2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Portsmouth City Health Dept., Air Pollution Unit. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.

(3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the Portsmouth City Health Dept., Air Pollution Unit every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

(4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Portsmouth City Health Dept., Air Pollution Unit in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

6. Compliance Requirements

a) The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

b) Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

c) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

(1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

(3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

d) The permittee shall submit progress reports to the Portsmouth City Health Dept., Air Pollution Unit concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

(2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Portsmouth City Health Dept., Air Pollution Unit.

b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Portsmouth City Health Dept., Air Pollution Unit. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be

submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

10. Applicability

This Permit-to-Install is applicable only to the emissions unit(s) identified in the Permit-to-Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

11. Construction of New Sources(s) and Authorization to Install

a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed through completion of the annual PER covering the last period of operation of the affected emissions unit(s).

d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the PER covering the last period the emissions unit operated.

No emissions unit certified by the authorized official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a PER, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

13. Construction Compliance Certification

The applicant shall identify the following dates in the online facility profile for each new emissions unit identified in this permit.

a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.

b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly (i.e., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

16. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The Portsmouth City Health Dept., Air Pollution Unit must be notified in writing of any transfer of this permit.

18. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

19. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

C. Emissions Unit Terms and Conditions

1. F001, Paved roadways and parking areas

Operations, Property and/or Equipment Description:

Paved Roadways and Parking Areas (Chapter 31 modification to include emissions from truck hauling of coke from the coke load out to the new 15 acre emergency coke pile and back to coke load out)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	15.61 TPY fugitive PM There shall be no visible particulate emissions except for 3 minute during any 60-minute period. best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See sections A.I.2.c through A.I.2.h)
b.	40 CFR Part 52.21 and OAC rule 3745-31-10 through 20	2.99 TPY PM_{10}

(2) Additional Terms and Conditions

a. The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

paved roadways:

Batteries AB and CD
Coke and Coal Handling
Main Gate Parking Area

b. The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee=s permit application, the permittee has committed to treat the paved roadways and parking areas by water flushing at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

c. The permittee shall employ best available control measures on the unpaved shoulders of all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee=s permit application, the permittee has committed to treat the unpaved shoulders of all paved roadways with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

d. The needed frequencies of implementation of the control measures shall be determined by the permittee=s inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

e. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.

f. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

g. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of the paved roadways and parking areas in accordance with the following frequencies:

-paved roadways	minimum inspection frequency
Batteries AB and CD	Daily
Coal and Coke Handling	Daily

paved parking areas	minimum inspection frequency
Main Gate Parking	Daily

(2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

(3) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

(4) The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

c. the dates the control measures were implemented; and,

d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in (4)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

(1) The permittee shall submit deviation reports that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and,

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

(2) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1). of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation:

15.61 TPY fugitive PM

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the vehicle miles traveled (VMT) per year for the average vehicle fleet weight times the 0.33 pounds/VMT emission factor times 0.20, assuming a 80% control efficiency for water flushing the roads, and divide by 2,000 pounds/ton.

Compliance for the paved roadway emissions from truck hauling associated with the emergency coke storage pile shall be demonstrated by multiplying the vehicle miles traveled (VMT) per year for the average vehicle fleet weight times the 5.74 pounds/VMT emission factor times 0.20, assuming a 80% control efficiency for water flushing the roads, and divide by 2,000 pounds/ton.

The particulate emission factors were calculated AP-42 Section 13.2.1, Equation (1), dated 12/03. The control efficiency was obtained from RACM, Table 2.1.1-3, dated 10/80.

b. Emission Limitation:

There shall be no visible particulate emissions except for 3 minute during any 60-minute period.

Applicable Compliance Method:

Compliance with the emission limitation for the paved roadways and parking areas identified above shall be determined in accordance with Test Method 22 as set forth in AAppendix on Test Methods@ in 40 CFR, Part 60 (AStandards of Performance for New Stationary Sources,@ as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

c. Emission Limitation:

2.99 TPY fugitive PM_{10}

Applicable Compliance Method:

Compliance shall be demonstrated multiplying the vehicle miles traveled (VMT) per year for the average vehicle fleet weight times the 0.06 pounds/VMT emission factor times 0.20, assuming a 80% control efficiency for water flushing the roads, and divide by 2,000 pounds/ton.

Compliance for the paved roadway emissions from truck hauling associated with the emergency coke storage pile shall be demonstrated by multiplying the vehicle

miles traveled (VMT) per year for average vehicle fleet weight times the 1.12 pounds/VMT emission factor times 0.20, assuming a 80% control efficiency for water flushing the roads, and divide by 2,000 pounds/ton.

The particulate emission factors were calculated AP-42 Section 13.2.1, Equation (1), dated 12/03. The control efficiency was obtained from RACM, Table 2.1.1-3, dated 10/80.

g) Miscellaneous Requirements

(1) None.

2. F002, Coal & coke storage piles

Operations, Property and/or Equipment Description:

Coal and coke storage piles (Chapter 31 modification to add new 15 acre emergency coke storage pile with a capacity of approximately 250,000 tons of coke)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	7.61 TPY fugitive PM <u>Batteries A and B storage piles</u> There shall be no visible emissions except for 3 minute in any hour. <u>Batteries C and D storage piles</u> There shall be no visible emissions except for one minute in any hour. <u>Emergency coke storage pile(s)</u> There shall be no visible emissions except for one minute in any hour. See b)(2)g.below. best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust The requirements of this rule also include compliance with OAC rules 3745-31-10 through 20.
b.	40 CFR Part 52.21 and OAC rule 3745-31-10 through 20	3.78 TPY fugitive PM_{10}

(2) Additional Terms and Conditions

a. The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 and 3745-31-10 through 20 are listed below:

coal storage pile(s)
coke storage pile(s)
emergency coke storage pile(s)

b. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee=s permit application, the permittee has committed to the following control measures to ensure compliance:

	Load-In	Load-Out
open coal pile	stacking conveyor and water sprays	under pile gravity feed to conveyor
enclosed coal pile	dome enclosure	under pile gravity feed to conveyor
Open coke pile (transfer tower #2)	conveyor	front end loader
emergency coke pile (transfer tower #1)	conveyor	front end loader
emergency coke pile (15 acres)	truck	front end loader

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

c. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

d. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee=s permit application, the permittee has committed to treat the open coal storage pile with water at sufficient treatment frequencies to ensure compliance and dome enclosure of enclosed coal storage pile . Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

e. The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-10 through 20.

g. If the permittee combines the storage piles for Batteries A & B and Batteries C & D into one common pile, then BAT for all storage piles shall be one minute in any hour.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

storage pile identification	minimum load-in inspection frequency
All	Daily

a. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

storage pile identification	minimum load-out inspection frequency
All	Daily

(2) Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

storage pile identification	minimum load-out inspection frequency
All	Daily

(3) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

(4) The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

c. the dates the control measures were implemented; and,

d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

e. The information required in d)(7).d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

(1) The permittee shall submit deviation reports that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and,

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

c. The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation:

7.61 TPY fugitive PM

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the sum of the following:

b. coal pile load-in

Open:

Multiply the maximum tons of coal handled per year times the 0.001 pound/ton particulate emission factor times 0.30 assuming a 70% control efficiency for the stacking conveyor and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Multiply the maximum tons of coal handled per year times the 0.001 pound/ton particulate emission factor time 2 enclosed transfer points times 0.05 assuming a 95% control efficiency for the enclosure and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Domed:

Multiply the maximum tons of coal handled per year times the 0.001 pound/ton particulate emission factor times 0.05 assuming a 95% control efficiency and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

c. coal pile wind erosion

Open:

Multiply the maximum area of the coal storage pile, in acres, times the 366, the maximum number of days per year, times the 7.99 pound/day/acre emission factor times the 0.50 assuming a 50% control efficiency for the water sprays and divide by 2,000 pounds per ton. The particulate emission factor was calculated in accordance with AP-40, Section 4, Equation 5. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 1/80.

Domed:

Multiply the maximum area of the coal storage pile, in acres, times the 366, the maximum number of days per year, times the 7.99 pound/day/acre emission factor times the 0.05 assuming a 95% control efficiency for the water sprays and divide by 2,000 pounds per ton. The particulate emission factor was calculated in accordance with AP-40, Section 4, Equation 5. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 1/80.

d. coal pile load-out

Multiply the maximum tons of coal handled per year times the 0.0010 pound/ton emission factor times 0.30 assuming a 70% control efficiency for watering the pile before and/or during load-out, and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Open:

Multiply the maximum tons of coal handled per year times the 0.0010 pound/ton emission factor times 0.05 assuming a 95% control efficiency for watering the pile before and/or during load-out, and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Domed:

Multiply the maximum tons of coal handled per year times the 0.0010 pound/ton emission factor times 0.05 assuming a 95% control efficiency for watering the pile before and/or during load-out, and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

e. coke pile load-in

Open (partial enclosure):

Multiply the maximum tons of coke handled per year times the 0.00129 pound/ton particulate emission factor times 0.30 assuming a 70% control efficiency for partial enclosure and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Open (uncontrolled)

Multiply the maximum tons of coke handled per year for the emergency coke pile (250,000 tons) times the 0.00129 pound/ton particulate emission factor and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95.

f. coke pile wind erosion

Open:

Multiply the maximum area of the coke storage pile(s), in acres, times the 366, the maximum number of days per year, times the 1.74 pound/day/acre emission

factor and divide by 2,000 pounds per ton. The particulate emission factor was calculated in accordance with AP-40, Section 4, Equation 5.

g. coke pile load-out

Open (partial enclosure):

Multiply the maximum tons of coke handled per year times the 0.00129 pound/ton emission factor times 0.30 assuming a 70% control efficiency for partial enclosure during load-out, and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Open (uncontrolled)

Multiply the maximum tons of coke handled per year for the emergency coke pile (250,000 tons) times the 0.00129 pound/ton particulate emission factor and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95.

h. Emission Limitation:

There shall be no visible emissions except for 3 minutes in any hour for Batteries A & B and one minute in any hour for Batteries C & D and the Emergency coke pile(s).

<u>Applicable Compliance Method</u>:

Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in AAppendix on Test Methods@ in 40 CFR, Part 60 (AStandards of Performance for New Stationary Sources@), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

i. Emission Limitation:

3.78 TPY fugitive PM_{10}

<u>Applicable Compliance Method</u>:

Compliance shall be demonstrated by calculating the sum of the following:

j. coal pile load-in

Open:

Multiply the maximum tons of coal handled per year times the 0.0005 pound/ton emission factor times 0.30, assuming a 70% control efficiency for the stacking conveyor, and divide by 2,000 pounds per ton. The PM_{10} emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-

1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Multiply the maximum tons of coal handled per year times the 0.0005 pound/ton particulate emission factor time 2 enclosed transfer points times 0.05 assuming a 95% control efficiency for the enclosure and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Domed

Multiply the maximum tons of coal handled per year times the 0.0005 pound/ton emission factor times 0.05, assuming a 95% control efficiency for the stacking tube, and divide by 2,000 pounds per ton. The PM_{10} emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

k. coal pile wind erosion

Open:

Multiply the maximum area of the coal storage pile, in acres, times 366, the maximum number of days per year, times the 3.99 pound/day/acre emission factor times the 0.50 assuming a 50% control efficiency for the water sprays and divide by 2,000 pounds per ton. The PM_{10} emission factor was calculated in accordance with AP-40, Section 4, Equation 5. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 1/80.

Domed:

Multiply the maximum area of the coal storage pile, in acres, times the 366, the maximum number of days per year, times the 3.99 pound/day/acre emission factor times the 0.05 assuming a 95% control efficiency for the water sprays and divide by 2,000 pounds per ton. The particulate emission factor was calculated in accordance with AP-40, Section 4, Equation 5. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 1/80.

l. coal pile load-out

Open:

Multiply the maximum tons of coal handled per year times the 0.0005 pound/ton emission factor times 0.30 assuming a 70% control efficiency for watering the pile before and/or during load-out, and divide by 2,000 pounds per ton. The PM_{10} emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Domed:

Multiply the maximum tons of coal handled per year times the 0.0005 pound/ton emission factor times 0.05 assuming a 95% control efficiency for watering the pile before and/or during load-out, and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

m. coke pile load-in

Open (partial enclosure):

Multiply the maximum tons of coke handled per year times the 0.00061 pound/ton particulate emission factor times 0.30 assuming a 70% control efficiency for partial enclosure and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Open (uncontrolled)

Multiply the maximum tons of coke handled per year for the emergency coke pile (250,000 tons) times the 0.00061 pound/ton particulate emission factor and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95.

n. coke pile wind erosion

Open

Multiply the maximum area of the coke storage pile(s), in acres, times the 366, the maximum number of days per year, times the 0.87 pound/day/acre emission factor and divide by 2,000 pounds per ton. The particulate emission factor was calculated in accordance with AP-40, Section 4, Equation 5.

o. coke pile load-out

Open (partial enclosure)

Multiply the maximum tons of coke handled per year times the 0.00061 pound/ton emission factor times 0.30 assuming a 70% control efficiency for partial enclosure ,and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

Open (uncontrolled)

Multiply the maximum tons of coke handled per year for the emergency coke pile (250,000 tons) times the 0.00061 pound/ton particulate emission factor and divide by 2,000 pounds per ton. The particulate emission factor calculated from AP-42 5th Edition, Section 13.2.4, Equation (1) and Table 13.2.4-1, dated 1/95.

g) Miscellaneous Requirements

(1) None.

3. F004, Coke and breeze handling and processing

Operations, Property and/or Equipment Description:

Coke and breeze handling and processing (Chapter 31 modification to include new transfer points associated with the new 15 acre emergency coke storage pile)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Emissions of PM/PM_{10} from the crushing/screening baghouse shall not exceed 3.09 pounds per hour. 4.88 TPY fugitive PM Visible particulate emissions of fugitive dust from this emissions unit shall not exceed 20% opacity as a 3-minute average. The requirements of this rule also include compliance with the requirements of 40 CFR Part 52.21, OAC rule 3745-17-07 and 3745-31-10 through 20.
b.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
c.	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
d.	40 CFR Part 52.21 and OAC rule 3745-31-10 through 20	Particulate emissions from the crushing/screening baghouse shall not exceed 0.008 grains per dry standard cubic foot of exhaust gases. Particulate emissions from the crushing/screening baghouse shall not exceed 13.53 TPY PM/PM_{10} as a rolling, 12-month summation. 2.30 TPY fugitive PM_{10} as a rolling, 12-month summation

(2) Additional Terms and Conditions

a. The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

coke loading of railcars and barges and trucks
coke conveying via belt conveyor
coke transfer points (belt conveyor to belt conveyor and crusher to belt conveyor)
coke unloading of trucks

b. The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee=s permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s)	control measure(s)
coke loading of railcars and barges	partial enclosure
coke conveying via belt conveyors (belts below grade uncovered)	partial enclosure
coke transfer points (belt conveyor to belt conveyor and crusher to belt conveyor)	partial enclosure

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

c. For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines,

as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that the use of the control measure(s) is unnecessary.

d. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements OAC rule 3745-31-05.

c) Operational Restrictions

(1) The pressure drop across the coke crushing/screening baghouse shall be maintained within the range of 3 to 12 inches of water, while the emissions unit is in operation.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the coke crushing/screening baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer=s recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the coke crushing/screening baghouse on a once per shift basis.

(2) Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies

material handling operation(s)	minimum inspection frequency
coke loading of railcars and barges and trucks	daily
coke conveying via belt conveyors	daily
coke transfer points (belt conveyor to belt conveyor and crusher to belt conveyor)	daily
coke unloading of trucks	daily

(3) The above-mentioned inspections shall be performed during representative, normal operating conditions.

(4) The permittee may, upon receipt of written approval from the Portsmouth Local Air Agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

(5) The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);

c. the dates the control measure(s) was (were) implemented; and,

d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in (5).d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

(1) The permittee shall submit pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the crushing/screening baghouse did not comply with the allowable range specified above.

(2) The permittee shall submit deviation reports that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency; and,

b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

(3) These deviation (excursion) reports are due by the dates described in the Standard Terms and Conditions of this permit.

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1). of these terms and conditions shall be determined in accordance with the following method(s):

a. <u>Emission Limitation:</u>

Emissions of PM/PM_{10} from the crushing/screening baghouse shall not exceed 3.09 pounds per hour.

<u>Applicable Compliance Method</u>:

Compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and methods required in OAC rule 3745-17-03(B)(10).

b. <u>Emission Limitation</u>:

4.88 TPY fugitive PM

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the sum of the following:

c. enclosed coke transfer points

Multiply the maximum tons of coke handled per year times 3, the number of enclosed transfer points that handle 100% of the total throughput, times the 0.00129 pound/ton emission factor times 0.30, assuming a 70% control efficiency for the enclosures, and divide by 2,000 pounds per ton.

Multiply the maximum tons of coke handled per year times 0.5, for transfer points that handle 50% of the total throughput, times 5, the number of enclosed transfer points, times the 0.00129 pound/ton emission factor times 0.30, assuming a 70% control efficiency for the enclosures, and divide by 2,000 pounds per ton.

The particulate emission factor was calculated from AP-42 5th Edition, Section 13.2.4, Equation (1), dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

d. uncontrolled coke transfer points

Multiply the maximum tons of coke handled per year times 6 , the number of uncontrolled transfer points that handle 100% of the total throughput, times the 0.00129 pound/ton emission factor, and divide by 2,000 pounds per ton. The particulate emission factor was calculated from AP-42 5th Edition, Section 13.2.4, Equation (1), dated 1/95.

Multiply the maximum tons of coke handled per year times 4 , the number of uncontrolled transfer points that handle the emergency coke pile (250,000 tons total throughput, times the 0.00129 pound/ton emission factor, and divide by 2,000 pounds per ton. The particulate emission factor was calculated from AP-42 5th Edition, Section 13.2.4, Equation (1), dated 1/95.

e. coke load-out

Multiply the maximum tons of coke handled per year times the 0.00129 pound/ton emission factor times 0.30, assuming a 70% control efficiency for the partial enclosure, and divide by 2,000 pounds per ton. The particulate emission factor was calculated from AP-42 5th Edition, Section 13.2.4, Equation (1), dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

f. coke breeze silo / partially enclosed bunker

Multiply the maximum tons of coke breeze handled per year times 2, the number of transfer points (load-out and load-in), times the 0.00129 pound/ton emission factor times 0.30, assuming a 70% control efficiency for the enclosure, and divide by 2,000 pounds per ton. The particulate

emission factor was calculated from AP-42 5th Edition, Section 13.2.4, Equation (1), dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80

g. Emission limitation:

Visible particulate emissions of fugitive dust from this emissions unit shall not exceed 20% opacity as a 3-minute average.

h. Applicable Compliance Method:

Compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and methods required in OAC rule 3745-17-03(B)(3).

i. Emission Limitation:

Visible particulate emissions from the crushing/screening baghouse shall not exceed 20% opacity as a 6-minute average.

j. Applicable Compliance Method:

Compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and methods required in OAC rule 3745-17-03(B)(1).

k. Emission Limitation:

0.008 gr/dscf of exhaust gases from the coke crushing/screening baghouse

l. Applicable Compliance Method:

Compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and methods required in OAC rule 3745-17-03(B)(10).

m Emission Limitation:

Particulate emissions from the crushing/screening baghouse shall not exceed 13.53 TPY PM/PM_{10} as a rolling, 12-month summation.

n. Applicable Compliance Method:

Compliance shall be demonstrated by adding the current month=s emissions to the emissions for the preceding eleven calendar months. Monthly emissions shall be calculated by multiplying the PM/PM_{10} emission factor, in pounds/ton, times the maximum throughput rate of coke, in tons/hour, times the hours of operation, in hours/month, divided by 2,000 pounds/ton. The PM/PM_{10} emission factor shall be calculated from the results of the most recent stack test which demonstrated compliance.

o. Emission Limitation:

2.30 TPY fugitive PM_{10} as a rolling, 12-month summation

p. Applicable Compliance Method:

Compliance shall be demonstrated by adding the current month=s emissions to the emissions for the preceding eleven calendar months. Monthly emissions shall be determined by calculating the sum of the following:

enclosed coke transfer points

1. Multiply the maximum tons of coke handled per month times 3, the number of enclosed transfer points that handle 100% of the total throughput, times the 0.00061 pound/ton emission factor times 0.30, assuming a 70% control efficiency for the enclosures, and divide by 2,000 pounds per ton.

2. Multiply the maximum tons of coke handled per month times 0.5, for transfer points that handle 50% of the total throughput, times 5, the number of enclosed transfer points, times the 0.00061 pound/ton emission factor times 0.30, assuming a 70% control efficiency for the enclosures, and divide by 2,000 pounds per ton.

The PM_{10} emission factor was calculated from AP-42 5th Edition, Section 13.2.4, Equation (1), dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

uncontrolled coke transfer points

Multiply the maximum tons of coke handled per month times 6 , the number of uncontrolled transfer points that handle 100% of the total throughput, times the 0.00061 pound/ton emission factor, and divide by 2,000 pounds per ton. The PM_{10} emission factor was calculated from AP-42 5th Edition, Section 13.2.4, Equation (1), dated 1/95.

Multiply the maximum tons of coke handled per year times 4 , the number of uncontrolled transfer points that handle the emergency coke pile (250,000 tons total throughput, times the 0.00061 pound/ton emission factor, and divide by 2,000 pounds per ton. The particulate emission factor was calculated from AP-42 5th Edition, Section 13.2.4, Equation (1), dated 1/95.

coke load-out

Multiply the maximum tons of coke handled per month times the 0.00061 pound/ton emission factor times 0.30, assuming a 70% control efficiency for the partial enclosure, and divide by 2,000 pounds per ton. The PM_{10} emission factor was calculated from AP-42 5th Edition, Section 13.2.4, Equation (1), dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

coke breeze silo/partially enclosed bunker

Multiply the maximum tons of coke breeze handled per month times 2, the number of transfer points (load-out and load-in), times the 0.00061 pound/ton emission factor times 0.30, assuming a 70% control efficiency for the enclosure, and divide by 2,000 pounds per ton. The PM_{10} emission factor was calculated from AP-42 5th Edition, Section 13.2.4, Equation (1), dated 1/95. The control efficiency was obtained from RACM, Table 2.2.1-2, dated 10/80.

g) Miscellaneous Requirements

(1) None.