State of Ohio Environmental Protection Agency

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Columbus, Ohio 43215

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P.O. Box 1049
Columbus, OH 43216-1049

Certified Mail

2/10/2009

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Randy Mitchell
Buckeye Columbiana Terminal
4719 industrial road
Lisbon, OH 44432

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0215130387
Permit Number: P0084473
Permit Type: Renewal
County: Columbiana

Dear Permit Holder:

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

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO 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

If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northeast District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA-NEDO

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

FINAL

Air Pollution Permit-to-Install and Operate
for
Buckeye Columbiana Terminal

Facility ID: 0215130387
Permit Number: P0084473
Permit Type: Renewal
Issued: 2/10/2009
Effective: 2/10/2009
Expiration: 2/10/2019

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
Buckeye Columbiana Terminal

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Authorization

Facility ID: 0215130387
Application Number(s): A0015039, A0015040, A0015041
Permit Number: P0084473
Permit Description: PTIO for 5 Emissions Units: F001-Unpaved roadways and parking areas, F002-Storage piles, F003-Barge material unloading/loading, F004-Rail material unloading/loading, and F005-Truck material unloading/loading.
Permit Type: Renewal
Permit Fee: $0.00
Issue Date: 2/10/2009
Effective Date: 2/10/2009
Expiration Date: 2/10/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Buckeye Columbiana Terminal
Clark Ave near Aten Ave
(Proposed location)
Wellsville, OH 43968

of a Permit-to-Install and Operate 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:

Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 43087
(330)425-9171

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Authorization (continued)

Permit Number: P0084473
Permit Description: PTIO for 5 Emissions Units: F001-Unpaved roadways and parking areas, F002-Storage piles, F003-Barge material unloading/loading, F004-Rail material unloading/loading, and F005-Truck material unloading/loading.

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:	Unpaved Roadways and Parking
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**F002**
Company Equipment ID:	Storage Pile
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**F003**
Company Equipment ID:	Barge Material unloading and loading
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**F004**
Company Equipment ID:	Rail material unloading and loading
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**F005**
Company Equipment ID:	Material unloading and loading from trucks
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. **What does this permit-to-install and operate ("PTIO") allow me to do?**

   This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. **Who is responsible for complying with this permit?**

   The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

   The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. **What records must I keep under this permit?**

   You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. **What are my permit fees and when do I pay them?**

   There are two fees associated with permitted air contaminant sources in Ohio:

   - PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

     You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

   - Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. **When does my PTIO expire, and when do I need to submit my renewal application?**

   This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is

very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Northeast District Office in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means 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.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the

change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

B. Facility-Wide Terms and Conditions

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

   a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

      (1) None.

   b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

      (1) None.

C. Emissions Unit Terms and Conditions

1. F001, Unpaved Roadways and Parking

Operations, Property and/or Equipment Description:

Unpaved roadways and parking area

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. 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)	Fugitive particulate emissions (PE) shall not exceed 15.12 tons per year. Fugitive emissions of particulate matter of 10 microns or less (PM10) shall not exceed 3.85 tons per year. There shall be no visible particulate emissions of fugitive dust from the unpaved roadway and parking area except for a time not to exceed 3 minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible particulate emissions of fugitive dust. See b)(2)a-e.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-17-07(B)(5)	The visible particulate emissions limitation specified by this rule is less stringent than the visible particulate emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08	See b)(2)a-e

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to the following:

i. treat the unpaved roadways and parking area by watering at sufficient treatment frequencies to ensure compliance; and

ii. establish and enforce a speed limit of less than 10 mph on all roadways.

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

b. 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 unpaved roadways and parking area that are 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.

c. Any unpaved roadway or parking area that is subsequently paved, will require a permit modification for paved roadways and parking area.

d. 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.

e. 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 daily inspections of each of the roadway segments and parking area.

(2) The purpose of the daily 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 Ohio EPA's Northeast District Office, modify the above-mentioned inspection frequency 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 d)(4) shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

(1) An annual permit evaluation report will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the annual permit evaluation report in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) Compliance with the emissions limitations in 1.b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

Fugitive PE shall not exceed 15.12 tons per year.

Fugitive PM10 shall not exceed 3.85 tons per year.

Applicable Compliance Method:

Compliance with the annual fugitive particulate and PM10 emission limitations shall be determined by the following equation:

$$E = (EF \times VMT \times ton/2{,}000\ lbs)_{dump\ truck} + (EF \times VMT \times ton/2{,}000\ lbs)_{passenger\ vehicle}$$

where:

E = Emissions of fugitive particulates or PM10, in ton per year

EF = Emission factor, in lb PE/Vehicle Miles Traveled, taken from Equations (1a) and (2) from AP-42 Chapter 13.2.2-4 (11/06). $EF = k(s/12)^a (W/3)^b \times [(365-P) / 365] \times (1 - CE)$, where k = 4.0 for PE and 1.5 for PM10, s = 5.0, a = 0.7 for PE and 0.9 for PM10, b = 0.45, W = 27.5 tons for the dump trucks and 2.0 tons for the passenger vehicles and P = number of days in a year with at least 0.01 inch of precipitation. The emissions limits provided in this permit were based on a maximum of 14,192 vehicle miles traveled per year by the dump trucks, a maximum of 237 vehicle miles traveled per year by the passenger vehicles, and a control efficiency (CE) of 50% (or 0.50) provided by the watering.

VMT = Vehicle Miles Traveled, in miles per year.

b. Emission Limitation:

There shall be no visible particulate emissions of fugitive dust from the unpaved roadway and parking area except for a time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible particulate emission limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources").

g) Miscellaneous Requirements

(1) None.

2. F002, Storage Pile

Operations, Property and/or Equipment Description:

Storage piles, wind erosion only, on a surface area of 1.7 acres.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. 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)	Fugitive particulate emissions (PE) shall not exceed 0.54 ton per year. Fugitive emissions of particulate matter of 10 microns or less (PM10) shall not exceed 0.27 ton per year. There shall be no visible particulate emissions of fugitive dust from the storage pile except for a time not to exceed 1 minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible particulate emissions of fugitive dust. See b)(2)a-c.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-17-07(B)(6)	The visible particulate emissions limitation specified by this rule are less stringent than the visible particulate emissions limitation established pursuant to OAC rule 3745-31-05(A)(5).
c.	OAC rule 3745-17-08(B)	See b)(2)a-c.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures for wind erosion from the surface of the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to the following as control measures:

i. installation and maintenance of a Dust Solutions Incorporated Windtamer[R] wind fence to reduce the potential for entrainment of fugitive particulate emissions by reducing the velocity of wind as it contacts the storage piles. This fence shall enclose the 1.7 acre area where the storage piles are located and the area for the first dump pile created when the trucks bring in material; and

ii. installation and maintenance of spray foggers to deliver a chemical dust suppressant. This dust suppressant produces a crust on the surface of each storage pile to reduce wind entrainment of fine particulates.

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

b. The application of a dust suppressant shall be employed for wind erosion for the storage piles if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure is necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure shall not be necessary for storage piles that are 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. The wind fence shall also be repaired, adjusted, or replaced as soon as possible if an inspection reveals the fence to be damaged or inoperable.

c. 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 3745-31-05(A)(3).

c) Operational Restrictions

(1) The storage piles shall consist of coal, sand, gravel, limestone, ash and/or petroleum coke. No construction & demolition debris or other materials shall be stored.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform daily inspections of the wind erosion from the pile surfaces associated with each storage pile.

(2) No inspection shall be necessary for wind erosion from the surface of the storage piles when the piles are covered with snow and/or ice and 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 purpose of the inspections is to determine the need for implementing the control measure (application of a dust suppressant) specified in this permit for wind erosion from the surface of the storage piles. Another purpose of the inspections is to verify that the wind fence is not damaged, and it is still functioning as intended. The inspections shall be performed during representative, normal storage pile operating conditions.

(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;

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 measures; and

e. any occasion when a material other than coal, sand, gravel, limestone, ash or petroleum coke was stored in a pile.

e) Reporting Requirements

(1) An annual permit evaluation report will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the annual permit evaluation report in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) Compliance with the emissions limitations in 1.b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

Fugitive PE shall not exceed 0.54 ton per year.

Fugitive PM10 shall not exceed 0.27 ton per year.

Applicable Compliance Method:

Compliance with the annual fugitive particulate and PM10 emission limitations shall be determined by the following equation:

E = EF (lb/day/acre) x 365 days x 1.7 acres x ton/2,000 lbs

where:

E = PE or PM10 emissions, in tons/year

EF = Emission Factor, as calculated from the equation in USEPA's Control of Open Fugitive Dust Sources, September 1988:

EF = (k) x (s/1.5) x [(365 - p)/235] x (f/15)

where;

EF = Emission factor, in lb PE/day/acre or lb PM10/day/acre

k = 1.7 for PE, 0.85 for PM10

s = silt content of the stored material, weight percent, = reported to be 5% with the use of Ultrabond 2000™ crusting agent.

p = number of days with > 0.01 inches of precipitation per year, = 150, taken from AP-42 Figure 13.2.1-2, (11/06).

f = percentage of time wind speed exceeds 12 mph, = 5% with the use of the Windtamer® wind fence.

b. Emission Limitation:

There shall be no visible particulate emissions of fugitive dust from the storage piles except for a time not to exceed 1 minute during any 60-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible particulate emission limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources").

g) Miscellaneous Requirements

(1) None.

3. F003, Barge Material unloading and loading

Operations, Property and/or Equipment Description:

Barge material unloading and loading

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. 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)	Fugitive particulate emissions (PE) shall not exceed 11.00 tons per year. Fugitive emissions of particulate matter of 10 microns or less (PM10) shall not exceed 5.20 tons per year. No visible emissions of fugitive dust at each point of material transfer controlled by the water fogging system, except for a time not to exceed 3 minutes during any 60-minute observation period. Visible particulate emissions of fugitive dust at the point of material transfer not controlled by the water fogging system shall not exceed 5% opacity as a 3-minute average.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Best available control measures that are sufficient to minimize or eliminate visible particulate emissions of fugitive dust. See b)(2)a-b.
b.	OAC rule 3745-17-07(B)(1)	The visible particulate emissions limitation specified by this rule is less stringent than the visible particulate emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08	See b)(2)a-b.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures on the barge material unloading and loading operation for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to the following:

i. installation and maintenance of a water fogging system for the control of fugitive dust at the points identified in the permittee's application where the material is transferred. The permittee's application reports 7 points for material unloading from the barge to the storage piles and 3 points for material loading from the storage piles to the barge that will be controlled by the water fogging system. The point of material transfer from the barge to a hopper is not controlled by the water fogging system; and

ii. enclosures over all the conveyors used to transfer the material.

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

b. 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 3745-31-05(A)(3).

c) Operational Restrictions

(1) The speed of the stamler feeders, conveyors and radial stackers shall not exceed 1,500 tons per hour.

(2) The water fogging system shall be employed on the 7 points of material transfer for barge unloading and the 3 points of material transfer for barge loading, as identified in the application, when this emissions unit is in operation.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the points of material transfer. The presence or absence of any visible emissions and its location shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. the total duration of any visible emission incident; and

c. any corrective actions taken to eliminate the visible emissions.

(2) The permittee shall perform daily inspections of the water fogging system and the enclosures over the conveyors. The purpose of the inspections is to determine if these control measures are operational, and/or in need of repair and/or replacement. The permittee shall record inspection findings, and any subsequent corrective actions, in the operations log.

e) Reporting Requirements

(1) An annual permit evaluation report will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the annual permit evaluation report in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) Compliance with the emissions limitations in 1.b) of these terms and conditions shall be determined in accordance with the following methods:

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

Fugitive PE shall not exceed 11.00 tons per year.

Fugitive PM10 shall not exceed 5.20 tons per year.

<u>Applicable Compliance Method</u>:

The annual fugitive particulate and PM10 emission limitations were calculated using the maximum design capacity of the conveyors (1,500 tons per hour) and the use of the water fogging system at the material transfer points identified in the application. Compliance with these emission limitations shall be assumed if the permittee complies with the additional terms and conditions in b)(2) and with the operational restrictions in c).

b. Emission Limitation:

No visible emissions of fugitive dust at each point of material transfer controlled by the water fogger, except for a time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible particulate emission limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Method" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources").

c. Emission Limitation:

Visible particulate emissions of fugitive dust at the point of material transfer not controlled by the water fogging system (Unloading material off Barge to Hopper) shall not exceed 5% opacity as a 3-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

g) Miscellaneous Requirements

(1) None.

4. F004, Rail material unloading and loading

Operations, Property and/or Equipment Description:

Rail material unloading and loading

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. 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)	Fugitive particulate emissions (PE) shall not exceed 66.62 tons per year. Fugitive emissions of particulate matter of 10 microns or less (PM10) shall not exceed 22.56 tons per year. No visible emissions of fugitive dust at each point of material transfer controlled by the water fogging system, except for a time not to exceed 3 minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible particulate emissions of fugitive dust. See b)(2)a-b.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-17-07(B)(1)	The visible particulate emissions limitation specified by this rule is less stringent than the visible particulate emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08	See b)(2)a-b.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures on the rail material unloading and loading operation for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to the following:

i. installation and maintenance of a water fogging system for the control of fugitive dust at the points identified in the permittee's application where the material is transferred. The permittee's application reports 4 points for material unloading from the rail to the storage piles and 3 points for material loading from the storage piles to the barge that will be controlled by the water fogging system;

ii. enclosures over all the conveyors used to transfer the material; and

iii. watering the road where material is transferred from the rail to the stamler feeder, if the rail dump method is not used.

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

b. 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 3745-31-05(A)(3).

c) Operational Restrictions

(1) The speed of the stamler feeder, conveyors and radial stackers shall not exceed 1,500 tons per hour.

(2) The water fogging system shall be employed on the 4 points of material transfer for rail unloading and the 3 points of material transfer for rail loading, as identified in the application, when this emissions unit is in operation.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the points of material transfer. The presence or absence of any visible emissions and its

location shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. the total duration of any visible emission incident; and

c. any corrective actions taken to eliminate the visible emissions.

(2) The permittee shall perform daily inspections of the water fogging system and the enclosures over the conveyors. The purpose of the inspections is to determine if these control measures are operational, and/or in need of repair and/or replacement. The permittee shall record inspection findings, and any subsequent corrective actions, in the operations log.

e) Reporting Requirements

(1) An annual permit evaluation report will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the annual permit evaluation report in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) Compliance with the emissions limitations in 1.b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

Fugitive PE shall not exceed 66.62 tons per year.

Fugitive PM10 shall not exceed 22.56 tons per year.

Applicable Compliance Method:

The annual fugitive particulate and PM10 emission limitations were calculated using the maximum design capacity of the conveyors (1,500 tons per hour) and the use of the water fogging system at the material transfer points identified in the application. Compliance with these emission limitations shall be assumed if the permittee complies with the additional terms and conditions in section b)(2) and with the operational restrictions in section c).

b. Emission Limitation:

No visible emissions of fugitive dust at each point of material transfer controlled by the water fogger, except for a time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible particulate emission limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Method" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources").

g) Miscellaneous Requirements

(1) None.

5. F005, Material unloading and loading from trucks

Operations, Property and/or Equipment Description:

Truck material unloading and loading

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. 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)	Fugitive particulate emissions (PE) shall not exceed 17.05 tons per year. Fugitive emissions of particulate matter of 10 microns or less (PM10) shall not exceed 8.06 tons per year. No visible emissions of fugitive dust at each point of material transfer controlled by the water fogging system, except for a time not to exceed 3 minutes during any 60-minute observation period. Visible particulate emissions of fugitive dust at the point of material transfer not controlled by the water fogging system shall not exceed 5% opacity as a 3-minute average.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Best available control measures that are sufficient to minimize or eliminate visible particulate emissions of fugitive dust. See b)(2)a-b.
b.	OAC rule 3745-17-07(B)(1)	The visible particulate emissions limitation specified by this rule is less stringent than the visible particulate emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08	See b)(2)a-b.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures on the truck material unloading and loading operation for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to the following:

i. installation and maintenance of a water fogging system for the control of fugitive dust at the points identified in the permittee's application where the material is transferred. The permittee's application reports 1 point (J1) for material unloading from the trucks to the storage piles and no points for material loading from the storage piles to the trucks that will be controlled by the water fogging system. There are 2 points (B & K) of material transfer from the trucks to the storage piles and 1 point (E) of material transfer from the storage piles to the trucks that are not controlled by the water fogging system; and

ii. enclosures over all the conveyors used to transfer the material.

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

b. 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 3745-31-05(A)(3).

c) Operational Restrictions

(1) The speed of the stamler feeders, conveyors, and radial stackers shall not exceed 1,500 tons per hour.

(2) The water fogger system shall be employed on the one point of material transfer for truck unloading, as identified in the application, when this emissions unit is in operation.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the points of material transfer. The presence or absence of any visible emissions and its location shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. the total duration of any visible emission incident; and

c. any corrective actions taken to eliminate the visible emissions.

(2) The permittee shall perform daily inspections of the water fogging system and the enclosures over the conveyors. The purpose of the inspections is to determine if these control measures are operational, and/or in need of repair and/or replacement. The permittee shall record inspection findings, and any subsequent corrective actions, in the operations log.

e) Reporting Requirements

(1) An annual permit evaluation report will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the annual permit evaluation report in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) Compliance with the emissions limitations in 1.b) of these terms and conditions shall be determined in accordance with the following methods:

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

Fugitive PE shall not exceed 17.05 tons per year.

Fugitive PM10 shall not exceed 8.06 tons per year.

<u>Applicable Compliance Method</u>:

The annual fugitive particulate and PM10 emission limitations were calculated using the maximum design capacity of the conveyors (1,500 tons per hour) and the use of the water fogging system at the material transfer points identified in the application. Compliance with these emission limitations shall be assumed if the permittee complies with the additional terms and conditions in section A.2 and with the operational restrictions in section B.

b. Emission Limitation:

No visible emissions of fugitive dust at each point of material transfer controlled by the water fogger, except for a time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible particulate emission limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Method" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources").

c. Emission Limitation:

Visible particulate emissions of fugitive dust at the point of material transfer not controlled by the water fogging system (Unloading material off Barge to Hopper) shall not exceed 5% opacity as a 3-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

g) Miscellaneous Requirements

(1) None.