



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

8/21/2013

Certified Mail

Ms. Sarah Kreitzer
Ohio American Energy, Inc. - Redbird South
46226 National Road
Saint Clairsville, OH 43950

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0641055002
Permit Number: P0115019
Permit Type: Initial Installation
County: Jefferson

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) 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. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

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. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Southeast District Office at (740)385-8501 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



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

Cc: Ohio EPA-SEDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Ohio American Energy, Inc. - Redbird South**

Facility ID:	0641055002
Permit Number:	P0115019
Permit Type:	Initial Installation
Issued:	8/21/2013
Effective:	8/21/2013
Expiration:	7/29/2023



Division of Air Pollution Control
Permit-to-Install and Operate
for
Ohio American Energy, Inc. - Redbird South

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Authorization

Facility ID: 0641055002
Application Number(s): A0048103
Permit Number: P0115019
Permit Description: This is a PTIO for initial installation of a coal processing plant including crushing/material handling, storage piles (including pile maintenance with bulldozers) and a 320 HP diesel engine.
Permit Type: Initial Installation
Permit Fee: \$1,300.00
Issue Date: 8/21/2013
Effective Date: 8/21/2013
Expiration Date: 7/29/2023
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Ohio American Energy, Inc. - Redbird South
34 Kelly Way
Brilliant, OH 43913

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

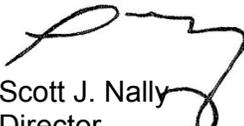
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Southeast District Office
2195 Front Street
Logan, OH 43138
(740)385-8501

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


Scott J. Nally
Director



Authorization (continued)

Permit Number: P0115019
Permit Description: This is a PTIO for initial installation of a coal processing plant including crushing/material handling, storage piles (including pile maintenance with bulldozers) and a 320 HP diesel engine.

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

Emissions Unit ID:	F002
Company Equipment ID:	storage piles
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F003
Company Equipment ID:	coal processing
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P001
Company Equipment ID:	Diesel Engine
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
Ohio American Energy, Inc. - Redbird South
Permit Number: P0115019
Facility ID: 0641055002
Effective Date: 8/21/2013

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. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. 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, Southeast 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 submitting¹ 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 emissions 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.

¹ Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).



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.



Final Permit-to-Install and Operate
Ohio American Energy, Inc. - Redbird South
Permit Number: P0115019
Facility ID: 0641055002
Effective Date: 8/21/2013

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.
2. The following emissions units contained in this permit are subject to 40 CFR Part 60, Subpart Y: F002 and F003. The complete NSPS requirements, including the NSPS General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the appropriate Ohio EPA District office or local air agency.
3. The Ohio EPA has determined that this facility may be subject to the requirements of the area source MACT/GACT rule (40 CFR Part 63, Subpart ZZZZ) that the Ohio EPA does not have the delegated authority to implement. Although Ohio EPA has determined that an area source MACT (also known as the GACT) may apply, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised that all requirements associated with these rules are in effect and are enforceable by U.S. EPA. For more information on the area source rules, please refer to the following U.S. EPA website:
<http://www.epa.gov/ttn/atw/area/arearules.html>.



Final Permit-to-Install and Operate
Ohio American Energy, Inc. - Redbird South
Permit Number: P0115019
Facility ID: 0641055002
Effective Date: 8/21/2013

C. Emissions Unit Terms and Conditions



1. F002, storage piles

Operations, Property and/or Equipment Description:

Portable raw (avrg. 2.28 acres) and crushed coal (avrg. 1.5 acres) storage piles including dump truck and conveyor load-in, front-loader load-out, wind erosion and pile maintenance with bulldozers controlled by reduced drop height and water application.

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 operation(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 are identified below. 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.	ORC 3704.03(T)	There shall be no visible fugitive PE except for one minute during any 60-minute period.
b.	40 CFR Part 60, Subparts A and Y (40 CFR 40 CFR 60.1-60.19 and 60.250-60.258) [In accordance with 40 CFR 60.250, this facility processes more than 200 tons of coal per day, commenced construction after May 27, 2009 and consists of coal processing and conveying equipment (including crushing), transfer and loading systems, and open storage piles.]	See c)(1) below.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-07(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to ORC rule 3704.03(T).
d.	OAC rule 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. through b)(2)g. below.

(2) Additional Terms and Conditions

- a. The storage piles that are covered by this permit and subject to the requirements of ORC rule 3704.03(T), OAC rules 3745-17-07 and 3745-17-08 are listed below:

All raw and crushed coal storage piles.
- b. The permittee shall employ reasonable 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, including: minimize drop heights for load-in and water application as necessary.
- 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 abovementioned 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 reasonable 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. The permittee has committed to perform: water application as necessary.
- e. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- f. 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.

- 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 requirements of OAC rules 3745-17-07 and 3745-17-08.

c) Operational Restrictions

- (1) The permittee shall comply with the applicable restrictions under 40 CFR Part 60, Subpart Y, including the following sections:

60.254(b)(3)	open storage pile loading, unloading and conveying equipment opacity limitation exemption
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d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall comply with the following applicable monitoring and recordkeeping requirements under 40 CFR Part 60, Subpart Y, including the following sections:

60.254(c)	open storage pile fugitive coal dust emissions control plan
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- (2) Except as otherwise provided in this section, the permittee shall perform inspections of each load-in/out operation at each storage pile in accordance with the following frequencies:

<u>Load-in/out identification</u>	<u>minimum load-in inspection frequency</u>
Dump truck load-in	daily
Conveyor load-in	daily
Front loader load-out	daily

- (3) 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:

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
all	daily

- (4) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in, load-out and wind erosion from the surface



of each storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

- (5) 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).

The information required in d)(3)d. shall be kept separately for (i) dump truck load-in operations, (ii) conveyor load-in operations, (iii) front loader load-out operations and (iv) 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 comply with the following applicable reporting requirements under 40 CFR Part 60, Subpart Y, including the following sections:

60.254(c)(4)(i-ii)	submission of open storage pile fugitive coal dust emissions control plan
60.254(c)(5)(ii)	submission of revised open storage pile fugitive coal dust emissions control plan upon Administrator's or delegated authority's objection of original

- (2) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (3) Annual Permit Evaluation Report (PER) forms 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 PER 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 b)(1) shall be determined in accordance with the following methods:

a. Emissions Limitation:

There shall be no visible fugitive PE except for one minute during any 60-minute period.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined according to USEPA Method 22.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install and Operate (PTIO) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(H).

(2) Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(H), the following criteria must be met for all portable facilities seeking approval for relocation:

a. the portable source must possess an issued permit to install (PTI) or permit to install and operate (PTIO) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,

b. the portable source is operating pursuant to a currently effective PTI, PTIO and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).

(3) In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:

a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;

b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and



- c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".

- (4) In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(H) (i.e. the 15-day option), the following additional criteria must be met:

- a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;
- b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);
- c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);
- d. a public notice, consistent with OAC Chapter 3745-47, has been published in the county where the proposed site(s) is/are located;
- e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-31-05(H) shall be valid for no longer than 3 years and are subject to renewal. Also, pursuant to OAC rule 3745-31-07(D)(2), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

- (5) Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.
- (6) When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (LLL) and (JJJ), the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC Chapter 3745-77, which may include the requirement to apply for a Title V permit.



2. F003, Coal Processing

Operations, Property and/or Equipment Description:

Portable coal processing including 300 TPH coal crusher, hopper load-in, 1 conveyor transfer point and customer truck load-in with front-loader controlled by water application.

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 operation(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 are identified below. 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), as effective 11/30/01	Fugitive particulate emissions (PE) shall not exceed 3.13 tons per year (TPY). Compliance with OAC rule 30-05(A)(3) includes compliance with 40 CFR Part 60, Subpart Y. See b)(2)a. below.
b.	OAC rule 3745-31-05(C), as effective 12/01/06	See b)(2)b. below.
c.	40 CFR Part 60, Subparts A and Y (40 CFR 40 CFR 60.1-60.19 and 60.250-60.258) [In accordance with 40 CFR 60.250, this facility processes more than 200 tons of coal per day, commenced construction after May	The owner must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. [40 CFR 60.254(b)(1)]



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	27, 2009 and consists of coal processing and conveying equipment (including crushing), transfer and loading systems, and open storage piles. All operations are subject to the emissions limitations specified in this section except for equipment used in the loading, unloading, and conveying operations of open storage piles per 40 CFR 60.254 (b)(3).]	
d.	OAC rule 3745-17-07(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The emission limitation specified by this rule is less stringent than the emissions limitation established pursuant to 40 CFR Part 60 .
e.	OAC rule 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Reasonably available control measures that are sufficient to minimize or eliminate visible emission of fugitive dust. See b)(2)a. through b)(2)f. below.

(2) Additional Terms and Conditions

- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulation for NAAQS pollutant emissions less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio’s State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally–approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, these emission limits/control measures no longer apply.
- b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the SIP.

Permit-to-Install and Operate (PTIO) P0115019 for this air contaminant source takes into account the following voluntary restriction (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding BAT requirements under OAC rule 3745-31-05(A)(3):



- i. Fugitive PE from F003 shall be controlled with water application at the hopper load-in, crusher, crusher load-out and customer truck load-in.
- ii. Fugitive PE shall not exceed 3.13 TPY.
- c. The material handling operations included in this emissions unit that are covered by this permit and subject to the requirements of ORC rule 3704.03(T), OAC rules 3745-17-07 and 3745-17-08 are listed below:

Hopper load-in w/ front-loader

Coal crushing

Crusher load-out onto conveyor

Customer truck load-in w/ front-loader

- d. The permittee shall employ the following control measures for the above-identified processing/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:

<u>material handling operation(s)</u>	<u>control measure(s)</u>
Crusher load-in w/ front loader	minimize drop height, do not overload hopper, water application as necessary*
Coal crushing	inherent moisture, water application as necessary*
Crusher load-out to conveyor	inherent moisture, water application as necessary*
Customer truck load-in w/ front-loader	minimize drop height, do not overload trucks, water application as necessary*

*If at any time the moisture content of the material processed or handled is not sufficient to meet the above applicable requirements, the permittee shall employ water application to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- e. For each crushing and material handling operation that is not adequately enclosed, the above-identified control measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the



operation of the crushing and/or material handling process until further observation confirms that use of the control measures is unnecessary.

- f. 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 of OAC rules 3745-17-07 and 3745-17-08.

c) Operational Restrictions

- (1) The permittee shall comply with the applicable restrictions under 40 CFR Part 60, Subpart Y, including the following sections:

60.254(b)(3)	open storage pile loading, unloading and conveying equipment exemption
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d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall comply with the following applicable monitoring and recordkeeping requirements under 40 CFR Part 60, Subpart Y, including the following sections:

60.255(h)(2)	coal truck dump monthly visual observations
60.258(a)(1-10)	logbook maintained on-site

- (2) Except as otherwise provided in this section, for concrete crushing and material handling operations that are not adequately enclosed, the permittee shall perform visible emission inspections of such operations during representative, normal operating conditions in accordance with the following minimum frequencies:

<u>Crushing Operations</u>	<u>Minimum Inspection Frequency</u>
Crusher load-in w/ front-loader	Daily
Coal crushing	Daily
Crusher load-out to conveyor	Daily
Customer truck load-in w/ front-loader	Daily

- (3) The above-mentioned inspections shall be performed only on days the emissions unit is in operation. The permittee shall perform daily observations for any visible particulate emissions from the emission unit, other than water vapor. The presence or absence of any visible emissions shall be recorded in an operations log. When visible emissions are observed in excess of the allowable opacity rate(s), corrective actions shall be taken to correct the problem and these action(s) shall be recorded in the operations log.



- (4) The permittee shall maintain daily 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 (4)d. shall be kept separately for each aggregate processing operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (5) Specific additional control measures shall be determined by the permittee. Such additional control measures may include increased water application, use of chemical dust suppressant, or shut-down of operations. The use of additional control measures shall, at all times, comply with all air, surface water, ground water, solid waste, and hazardous waste laws and regulations.

e) Reporting Requirements

- (1) The permittee shall comply with the following applicable reporting requirements under 40 CFR Part 60, Subpart Y, including the following sections:

60.258(b), 60.7(c)	semi-annual excess emissions reports
60.258(c), 60.8	initial performance test results submission
60.258(d)	performance evaluation data submission to U.S.E.P.A. within 60 days

- (2) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (3) Annual Permit Evaluation Report (PER) forms 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 PER 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) The permittee shall comply with the following applicable testing requirements under 40 CFR Part 60, Subpart Y, including the following sections:



60.255(b)(2), 60.8	initial performance test
60.255(b)(2)(i-iii)	subsequent performance tests
60.255(f)(1) or (2) or 60.255(g)	alternatives to performance testing
60.255(h)(1) and (3)	coal truck dump performance testing
60.257(a)(1-3), 60.11	opacity standard test methods

(2) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emissions Limitations:

Fugitive PE shall not exceed 3.13 TPY.

Applicable Compliance Methods:

Compliance with the annual fugitive emissions limitation shall be demonstrated by the following calculations based on the emission factors (EF's) in AP-42 sections 13.2.4 (11/06) and 11.19.2 (8/04).

Hopper Load-in:

$$EF = k(0.0032)[(U/5)^{1.3}/(M/2)^{1.4}] =$$

Where:

EF= emission factor expressed in pounds of PE per ton of coal processed (lbs/ton)

k = particle size multiplier for TSP (dimensionless)= 0.74

U = 8.7 mph, mean wind speed, as submitted in application

M = 6% moisture content, as submitted in application

Therefore, EF = 0.00105lb PE/ton

$$PE = [(2 \text{ Load-in: Crusher and Customer Truck})(0.00105\text{lb/ton})(2,628,000 \text{ max. throughput})]/2,000\text{lbs/ton} = 2.75 \text{ TPY uncontrolled fugitive PE}$$

Assume 50% control efficiency for watering (RACM Table 2.1.3-3)
 (2.75 TPY uncontrolled PE)(1-0.50) = **1.37TPY controlled fugitive PE**



Crusher:

EF = 0.0012 lb/ton (controlled EF, assumes use of wet suppression)

PE = [(1 Crusher)(0.0012 lb/ton)(2,628,000 max. throughput)]/2,000 lbs/ton
=1.58 TPY controlled fugitive PE

Transfer Points:

EF = 0.00014 lb/ton (controlled EF, assumes use of wet suppression)

PE = [(1 Transfer Point: Crusher to Conveyor)(0.00014 lb/ton)(2,628,000 max. throughput)]/2,000 lbs/ton = **0.18 TPY controlled fugitive PE**

Total:

1.37 + 1.58 + 0.18 =3.13 TPY controlled fugitive PE

b. Emissions Limitation:

Visible PE of fugitive dust shall not exceed 10% opacity.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined according to USEPA Method 9.

- (3) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, by not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.
 - b. The emissions testing shall be conducted to demonstrate compliance with the visible emissions limitation identified in 40 CFR Part 60, Subpart Y.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates:
 - i. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
 - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum



material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.

- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
- f. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

g) **Miscellaneous Requirements**

- (1) At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install and Operate (PTIO) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(H).
- (2) Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(H), the following criteria must be met for all portable facilities seeking approval for relocation:
 - a. the portable source must possess an issued permit to install (PTI) or permit to install and operate (PTIO) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,
 - b. the portable source is operating pursuant to a currently effective PTI, PTIO and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).



- (3) In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:
- a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;
 - b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and
 - c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".

- (4) In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(H) (i.e. the 15-day option), the following additional criteria must be met:
- a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;
 - b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);
 - c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);
 - d. a public notice, consistent with OAC Chapter 3745-47, has been published in the county where the proposed site(s) is/are located;
 - e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-31-05(H) shall be valid for no longer than 3 years and are subject to renewal. Also, pursuant to OAC rule 3745-31-07(D)(2), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



- (5) Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

- (6) When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (LLL) and (JJJ), the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC Chapter 3745-77, which may include the requirement to apply for a Title V permit.



3. P001, Diesel Engine

Operations, Property and/or Equipment Description:

Portable 362 HP Caterpillar XCPXL10.5MRG diesel engine (model year 1999) with turbocharger, smoke puff limiter, charge air cooler and direct injection, with a voluntary restriction to operate no more than 4,400 hours per year.

- 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. g)(2).
 - (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 operation(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 are identified below. 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.	ORC 3704.03(T)	Nitrogen oxides (NO _x) emissions shall not exceed 4.41lbs/MMBtu.
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	Carbon monoxide (CO) emissions shall not exceed 2.42 pounds per hour (lbs/hr) and 5.3 tons per year (TPY). Particulate emissions (PE) shall not exceed 0.80 lb/hr and 1.8TPY. Sulfur dioxide (SO ₂) emissions shall not exceed 0.74 lb/hr and 1.6 TPY. Volatile organic compound (VOC) emissions shall 0.91lb/hr and 2.0 TPY. The requirements of this rule also include



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		compliance with the requirements of OAC rule 3745-17-07(A). See b)(2)a. below.
c.	OAC rule 3745-31-05(A)(3)(b), as effective 12/01/06	See b)(2)b. below.
d.	OAC rule 3745-31-05(C), as effective 12/01/06	See b)(2)c. below.
e.	OAC rule 3745-31-05(E) (voluntary restriction to avoid state modeling for NO _x)	NO _x emissions shall not exceed 24.7 tons per year. See c)(2) below.
f.	OAC rule 3745-17-07(A)(1)	Visible PE from any stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average.
g.	OAC rule 3745-17-11(B)(5)(a)	PE shall not exceed 0.310 pound/million Btu of actual heat input. This emission limitation is less stringent than the limitation listed under OAC rule 3745-31-05(A)(3), until such time as U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

(2) Additional Terms and Conditions

- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulation for NAAQS pollutant emissions less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, these emission limits/control measures no longer apply.
- b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the SIP.

The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the SO₂, VOC, and PE from this air contaminant source since the uncontrolled potential to emit for SO₂, VOC, and PE is less than 10 tons per year.



- c. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the SIP.

Permit-to-Install and Operate (PTIO) P0115019 for this air contaminant source takes into account the following voluntary restriction (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding BAT requirements under OAC rule 3745-31-05(A)(3):

- i. The maximum annual operating hours for this emissions unit shall not exceed 4,400.
- ii. CO emissions shall not exceed 5.3 TPY.

c) Operational Restrictions

- (1) The permittee shall burn only diesel fuel in this emissions unit.
- (2) The maximum annual operating hours for this emissions unit shall not exceed 4,400.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (2) The permittee shall maintain monthly records of the operating hours for this emissions unit.

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (2) Annual Permit Evaluation Report (PER) forms 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 PER 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.
- (3) The permittee shall identify any exceedance of the annual operating hours restriction in the annual PER.
- (4) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.



f) Testing Requirements

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

a. Emissions Limitation:

NO_x emissions shall not exceed 4.41 lbs/MMBtu.

Applicable Compliance Methods:

The lb/MMBtu emissions limitation was based upon the emissions factor of 4.41lbs/MMBtu of NO_x, as specified in AP-42 Table 3.3-1 (10/96).

If required, NO_x emissions shall be determined according to test Methods 1 - 4, and 7 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

b. Emissions Limitations:

CO emissions shall not exceed 2.42lbs/hr and 5.3 TPY.

Applicable Compliance Methods:

The lbs/hr emissions limitation was determined by multiplying the AP-42 section 3.3-1 (10/96) emissions factor for CO of 0.00668 lb/HP-hr by the maximum rated capacity of P001 (362 HP).

If required, CO emissions shall be determined according to test Methods 1 - 4, and 10 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Compliance with the annual emissions limitation is demonstrated by multiplying the actual annual hours of operation by the lbs/hr emissions limitation, then dividing by 2,000 lbs/ton.

c. Emissions Limitations:

PE shall not exceed 0.80lb/hr and 1.8 TPY.

Applicable Compliance Methods:

The lbs/hr emissions limitation was determined by multiplying the AP-42 section 3.3-1 (10/96) emissions factor for PE of 0.0022 lb/HP-hr by the maximum rated capacity of P001 (362 HP).



If required, PE shall be determined according to test Methods 1 - 5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources", and the procedures specified in OAC rule 3745 17 03(B)(10). Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Compliance with the annual emissions limitation is demonstrated by multiplying the actual annual hours of operation by the lb/hr emissions limitation, then dividing by 2,000 lbs/ton.

- d. Emissions Limitations:
SO₂ emissions shall not exceed 0.74lb/hr and 1.6 TPY.

Applicable Compliance Method:

The lb/hr emissions limitation was determined by multiplying the emissions factor for SO₂ of 0.00205 lb/HP-hr from AP-42, Table 3.3-1 (10/96) by the maximum rated capacity of P001 (362 HP).

If required, SO₂emissions shall be determined according to test Methods 1 - 4, and 6 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Compliance with the annual emissions limitation is demonstrated by multiplying the actual annual hours of operation by the lb/hr emissions limitation, then dividing by 2,000 lbs/ton.

- e. Emissions Limitations:
VOC emissions shall not exceed 0.91lb/hr and 2.0 TPY.

Applicable Compliance Method:

The lb/hr emissions limitation was determined by multiplying the emissions factor for VOC of 0.00251 lb/HP-hr from AP-42, Table 3.3-1 (10/96) by the maximum rated capacity of P001 (362 HP).

If required, organic compound emissions shall be determined according to test Methods 1 - 4, and 18, 25, or 25A as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Compliance with the annual emissions limitation is demonstrated by multiplying the actual annual hours of operation by the lb/hr emission limitation, then dividing by 2,000 lbs/ton.



f. Emissions Limitation:

NO_x emissions shall not exceed 24.7 tons per year.

Applicable Compliance Method:

Compliance with the annual emissions limitation is demonstrated by multiplying the emission factor for NO_x of 0.031 lb/HP-hr by the maximum rated capacity of P001 (362 HP) to determine lbs/hr emissions and then multiplying the actual annual hours of operation documented in accordance with d)(2) by the lbs/hr emissions, then dividing by 2,000 lbs/ton.

g. Emissions Limitation:

Visible PE from any stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average.

Applicable Compliance Method:

If required, compliance with the visible PE limitation shall be determined according to USEPA Method 9.

h. Emissions Limitation:

PE shall not exceed 0.310 pound/mmBTU of actual heat input.

Applicable Compliance Method:

The lb/MMBtu emissions limitation was based upon the emissions factor of 0.31 lb/MMBtu of PE, as specified in AP-42 Table 3.3-1 (10/96).

If required, particulate emissions shall be determined according to test Methods 1 - 5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources", and the procedures specified in OAC rule 3745 17 03(B)(10). Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

g) Miscellaneous Requirements

- (1) This emissions unit was manufactured in 1999. Therefore, 40 CFR Part 60 Subpart IIII (40 CFR 60. 4200 - 60.4219) does not apply pursuant to 40 CFR 60.4200.
- (2) Modeling to demonstrate compliance with the "Toxic Air Contaminant Statute" in ORC 3704.03(F)(4)(b) was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air



contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new PTI or PTIO.

- (3) At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install and Operate (PTIO) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(H).
- (4) Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(H), the following criteria must be met for all portable facilities seeking approval for relocation:
 - a. the portable source must possess an issued permit to install (PTI) or permit to install and operate (PTIO) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,
 - b. the portable source is operating pursuant to a currently effective PTI, PTIO and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).
- (5) In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:
 - a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;
 - b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and
 - c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".
- (6) In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(H) (i.e. the 15-day option), the following additional criteria must be met:



- a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;
- b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);
- c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);
- d. a public notice, consistent with OAC Chapter 3745-47, has been published in the county where the proposed site(s) is/are located;
- e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-31-05(H) shall be valid for no longer than 3 years and are subject to renewal. Also, pursuant to OAC rule 3745-31-07(D)(2), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

- (7) Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.
- (8) When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (LLL) and (JJJ), the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC Chapter 3745-77, which may include the requirement to apply for a Title V permit.