



Environmental
Protection Agency

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

8/2/2012

KEN HOLLAND
OLEN CORPORATION PLANT 41PP2
4755 SOUTH HIGH ST
COLUMBUS, OH 43207-4028

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0125943046
Permit Number: P0083582
Permit Type: Renewal
County: Franklin

Certified Mail

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

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

The issuance of this PTI 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
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions, please contact Ohio EPA DAPC, Central District Office at (614)728-3778 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPC Web page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: Ohio EPA-CDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
OLEN CORPORATION PLANT 41PP2**

Facility ID:	0125943046
Permit Number:	P0083582
Permit Type:	Renewal
Issued:	8/2/2012
Effective:	8/2/2012
Expiration:	8/2/2022



Division of Air Pollution Control
Permit-to-Install and Operate
for
OLEN CORPORATION PLANT 41PP2

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Authorization

Facility ID: 0125943046
Application Number(s): A0013957
Permit Number: P0083582
Permit Description: PTIO Renewal permit for 70 ton per hour portable feeder plant
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 8/2/2012
Effective Date: 8/2/2012
Expiration Date: 8/2/2022
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

OLEN CORPORATION PLANT 41PP2
4755 SOUTH HIGH ST
COLUMBUS, OH 43207

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

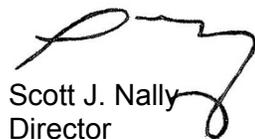
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049
(614)728-3778

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: P0083582
Permit Description: PTIO Renewal permit for 70 ton per hour portable feeder plant

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:	Plant No. 43PP2
Superseded Permit Number:	01-08830
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. 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, Central 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.

¹Permittees 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.

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, Plant No. 43PP2

Operations, Property and/or Equipment Description:

70 TPH Hartl HSS2000 Feeder Also Know As Plant Number 43PP2

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) (PTI No. 01-08830 issued July 1, 2004)	<u>Emissions shall not exceed:</u> 0.17 pound per hour and 0.7 ton per year particulate emissions (PE) from the engine 2.61 pounds per hour and 11.44 tons per year fugitive particulate emissions (PE) 0.16 pound per hour and 0.7 ton per year sulfur dioxide (SO ₂) 2.47 pounds per hour and 10.82 tons per year nitrogen oxides (NO _x) 0.2 pound per hour and 0.9 ton per year organic compounds (OC) 0.53 pound per hour and 2.3 tons per year carbon monoxide (CO)

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>Visible emissions of fugitive dust shall not exceed 15% opacity.</p> <p>See b)(2)(a. through b)(2)(f).</p> <p>The requirements established pursuant to this rule also include the compliance with the requirements of OAC rules 3745-17-07(A) and 3745-17-11(B)(5)(a), 3745-21-08(B), 3745-23-06(B) and 3745-18-06(G).</p>
b.	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
c.	OAC rule 3745-17-11(B)(5)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.31 lb/MMbtu of actual heat input. See b)(2)(f).
e.	OAC rule 3745-21-08(B)	See b)(2)(c).
f.	OAC rule 3745-18-06(G)	See b)(2)(d).

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures during all operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by applying water at sufficient frequencies to maintain the material in a moist condition and ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measure to ensure compliance.
- b. The hourly and ton per year emission limitations for this emissions unit were established to reflect the potential to emit. Therefore, with the exception of the fuel oil analysis, it is not necessary to develop additional monitoring, record keeping, and/or reporting requirements to ensure compliance with these limits.
- c. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the 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 revisions to OAC rule 3745-21-08, the

requirement to satisfy the “best available control techniques and operating practices” still exist as part of the federally-approved SIP for Ohio.

- d. Exempt as per OAC 3745-18-06(B). Fuel burning equipment, stationary gas turbines and stationary internal combustion engines which have rated heat input capacities equal to, or less than, ten MMBtu per hour total rated capacity are exempt from 3745-18-06(G).
- e. This emissions unit shall burn only number 2 fuel oil with a sulfur content less than 0.5% by weight pursuant to OAC rules 3745-31-05(A)(3).
- f. This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

c) Operational Restrictions

- (1) Water shall be applied at points necessary to ensure compliance with the visible emission limitations specified above.

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 this emissions unit. The presence or absence of any visible fugitive emissions 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 location and color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emissions incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- (2) For each day during which the permittee burns a fuel other than No. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (3) For each shipment of fuel oil received for burning in this emissions unit, the permittee shall maintain records of the permittee's or supplier's analyses for sulfur content and BTU heating value.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA Central District Office 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. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered. The PER shall include identification of the following:
 - a. all days during which any visible emissions of fugitive dust were observed from this emissions unit;
 - b. any corrective actions taken to minimize or eliminate the visible emissions; and
 - c. each day when a fuel other than No. 2 fuel oil with a sulfur content less than 0.5% by weight is burned in this emissions unit.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

2.61 pounds per hour and 11.44 tons per year PE

Applicable Compliance Method:

Compliance with the allowable mass emission rate for fugitive particulate emissions shall be determined by summing emissions from the feeder and transfer points. Emissions from the feeder shall be determined by multiplying an emission factor of 0.015 pounds particulate emissions per ton of material loaded processed by the emission unit's maximum hourly throughput (70 tons). This emission factor is specified in U.E. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 11.19.2, Table 11.19.2-2 (1/95). Loading emissions from feeder were determined by multiplying the Total Suspended Particulate emission factor for loading by the maximum hourly throughput. Yearly total was determined by multiplying hourly emission factor by 8760 hours and dividing by 2000lbs/ton. Transfer point emissions were determined using the total suspended particulate emission factor times the

number of transfer points times the hourly throughput times the maximum hours of operation.

PE Feeder PTE = $(0.015 \text{ lb/ton} * 2.1 = \text{TSP}) (70 \text{ tons/hr (2/0/04 application)}) = 2.2 \text{ lbs TSP/hr}$ $2.2 \text{ lbs TSP/hr} * (8760/2000) = 9.64 \text{ tons per year fugitive PE}$

PE Transfer Point PTE = $(0.0014 * 2.1 = \text{TSP}) (2 \text{ transfer points}) (70 \text{ tons per hour}) = 0.41 \text{ lb/hr} * (8760/2000) = 1.8 \text{ tons per year fugitive PE}$

b. Emission Limitation:

Visible emissions of fugitive dust shall not exceed 15% opacity.

Applicable Compliance Method:

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A., Method 9 and the specified procedures in OAC rule 3745-17-03(B)(1).

c. Emission Limitation:

Visible emissions from the engine shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A., Method 9 and the specified procedures in OAC rule 3745-17-03(B)(1).

d. Emission Limitation:

0.31 pound of PE per MMbtu of actual heat input

Applicable Compliance Method:

Compliance shall be demonstrated using the emission factor of 0.31 lb/MMbtu from AP-42, Table 3.3-1 (gasoline and Diesel Industrial Engines, 10/96). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

e. Emission Limitation:

0.17 pound per hour and 0.7 ton per year of PE from engine exhaust

Applicable Compliance Method:

Compliance shall be demonstrated by the following calculations using the particulate emission factor of 0.31 lb/MMbtu from AP-42, Table 3.3-1 (Gasoline and Diesel industrial Engines, 10/96) and the maximum rated btu value of 0.56

MMbtu. The hourly emission factor is then multiplied by 8760 hours to derive the yearly emissions total.

$$\text{PE PTE} = (0.56 \text{ MMbtu input}) (0.31 \text{ lb/MMbtu AP-42 EF}) = 0.17 \text{ lb/hr (8760/2000)} \\ = 0.7 \text{ tons per year PE from diesel engine}$$

If required, compliance shall be demonstrated based upon emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

f. Emission Limitation:

0.16 pound per hour and 0.7 ton per year SO₂

Applicable Compliance Method:

Compliance shall be demonstrated by the following calculation using the SO₂ emission factor of 0.29 lb/MMbtu from AP-42, Table 3.3-1 (Gasoline and Diesel Industrial Engines, 10/96) and the maximum rated btu value of 0.56 MMbtu. The hourly emission factor is then multiplied by 8760 hours to derive the yearly emissions total.

$$\text{SO}_2 \text{ PTE} = (0.56 \text{ MMbtu input}) (0.29 \text{ lb/MMbtu AP-42 EF}) = 0.16 \text{ lb/hr} \\ (8760/2000) = 0.7 \text{ ton per year SO}_2 \text{ from diesel engine}$$

If required, the permittee shall demonstrate compliance with the emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, 6C.

g. Emission Limitation:

2.47 pounds per hour and 10.82 tons per year NO_x

Applicable Compliance Method:

Compliance shall be demonstrated by the following calculation using the nitrogen oxide emission factor of 4.41 lbs/MMbtu from AP-42, Table 3.3-1 (Gasoline and Diesel Industrial Engines, 10/96) and the maximum rated btu value of 0.56/MMbtu. The hourly emission factor is then multiplied by 8760 hours to derive the yearly emissions total. If required, the permittee shall demonstrate compliance with the emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 7E.

$$\text{NO}_x \text{ PTE} = (0.56 \text{ MMbtu input}) (4.41 \text{ lb/MMbtu AP-42 EF}) = 2.47 \text{ lb/hr} \\ (8760/2000) = 10.8 \text{ tons per year NO}_x \text{ from diesel engine}$$

h. Emission Limitation:

0.2 pound per hour and 0.9 tons per year OC

Applicable Compliance Method:

Compliance shall be demonstrated by the following calculation using the particulate emission factor of 0.36 lb/MMbtu from AP-42, Table 3.3-1 (Gasoline and Diesel Industrial Engines, 10/96) and the maximum rated btu value of 0.56 / MMbtu. The hourly emission factor is then multiplied by 8760 hours to derive the yearly emissions total. If required, the permittee shall demonstrate compliance with the emissions limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, 18, 25 or 25A.

$$\text{OC PTE} = (0.56 \text{ MMbtu input}) (0.36 \text{ lb/MMbtu AP-42 EF}) = 0.2 \text{ lb/hr (8760/2000)} \\ = 2.3 \text{ tons per year CO from diesel engine}$$

If required, the permittee shall demonstrate compliance with the emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 10.

g) Miscellaneous Requirements

- (1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met. The Director may issue a "Notice of Site Approval" through either of the following scenarios:
 - a. Where future locations of the proposed portable source are unknown, the approval to relocate the portable source shall be acquired in accordance the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - i. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - ii. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - iii. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - iv. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - v. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage

piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site; **or**

- b. As the alternative for any pre-disclosed location, the Director may issue a "Notice of Site Approval" if the portable source meets the requirements of OAC rule 3745-31-05(H), as follows:
- i. the portable source is operating pursuant to a currently effective permit-to-install (PTI), permit-to-install and operate (PTIO), or has been approved for registration status and continues to comply with the requirements of the permit and any applicable state and/or federal rules;
 - ii. the portable source has been issued a PTIO or PTI and the permittee continues to comply with the requirements of the permit, including any applicable best available technology (BAT) determination;
 - iii. the portable source owner has identified and submitted the proposed site to the Ohio EPA;
 - iv. the permitting District Office/local air agency and the District Office/local air agency having jurisdiction over the new site (if different) have determined that the portable source will have an acceptable environmental impact at the proposed site;
 - v. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site is located;
 - vi. the owner of the proposed site (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; and
 - vii. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site. Any site approval issued by the Ohio EPA, pursuant to OAC rule 3745-31-05(H), is subject to expiration and renewal. Pursuant to OAC rule 3745-31-07(C)(3), any site approval for a portable source shall be issued for a period of time determined to be appropriate by the Director and the renewal will be reevaluated and subject to the same requirements above.

- (2) 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, the permittee shall submit an application and obtain a PTIO or PTI (as applicable) for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be

added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. 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 rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. 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.