



Environmental
Protection Agency

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

7/5/2012

Mr. James Smith
HANSON AGGREGATES MIDEAST
PO BOX 130
Scottsburg, IN 47170

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0448960004
Permit Number: P0110223
Permit Type: Renewal
County: Lucas

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
Yes	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 Toledo Department of Environmental Services at (419)936-3015 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb 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: TDES



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
HANSON AGGREGATES MIDEAST**

Facility ID:	0448960004
Permit Number:	P0110223
Permit Type:	Renewal
Issued:	7/5/2012
Effective:	7/5/2012
Expiration:	7/5/2017



Division of Air Pollution Control
Permit-to-Install and Operate
for
HANSON AGGREGATES MIDEAST

Table of Contents

Authorization 1
A. Standard Terms and Conditions 3
1. What does this permit-to-install and operate ("PTIO") allow me to do?..... 4
2. Who is responsible for complying with this permit? 4
3. What records must I keep under this permit? 4
4. What are my permit fees and when do I pay them?..... 4
5. When does my PTIO expire, and when do I need to submit my renewal application? 4
6. What happens to this permit if my project is delayed or I do not install or modify my source? 5
7. What reports must I submit under this permit? 5
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? 5
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? ... 5
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? 6
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? 6
12. What happens if one or more emissions units operated under this permit is/are shut down permanently? 6
13. Can I transfer this permit to a new owner or operator?..... 7
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? 7
15. What happens if a portion of this permit is determined to be invalid? 7
B. Facility-Wide Terms and Conditions..... 8
C. Emissions Unit Terms and Conditions 10
1. P001, 339 hp Cat 3306 generator 11

Authorization

Facility ID: 0448960004
Application Number(s): A0044680
Permit Number: P0110223
Permit Description: Renewal of a portable diesel generator with a federally enforceable restriction of 4,000 hours of operation per year.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 7/5/2012
Effective Date: 7/5/2012
Expiration Date: 7/5/2017
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

HANSON AGGREGATES MIDEAST
8130 BRINT ROAD
Sylvania, OH 43650

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:

Toledo Department of Environmental Services
348 South Erie Street
Toledo, OH 43604
(419)936-3015

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: P0110223

Permit Description: Renewal of a portable diesel generator with a federally enforceable restriction of 4,000 hours of operation per year.

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

Emissions Unit ID:	P001
Company Equipment ID:	Cat 3306 generator
Superseded Permit Number:	04-01419
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 Toledo Department of Environmental Services 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.
2. The compression ignition (CI) reciprocating internal combustion engine(s) (RICE), located at an area source for hazardous air pollutants (HAPs), is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines, Part 63, Subpart ZZZZ. The existing stationary CI RICE, EU# P001, installed before 6/12/06, shall meet the requirements of Part 63, Subpart ZZZZ no later than 5/3/13. The complete MACT requirements, including the MACT 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.

C. Emissions Unit Terms and Conditions



1. P001, 339 hp Cat 3306 generator

Operations, Property and/or Equipment Description:

Caterpillat Portable Generator Model 3306 (previously permitted under PTI 04-01419)

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. b)(1)b., c)(2), d)(1), e)(2), f)(1)c., f)(1)e., f)(1)g., f)(1)i., and f)(1)k.

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 04-01419 dated 11/21/2006)	2.26 pounds of carbon monoxide (CO) per hour.
		0.75 pound of particulate emissions (PE) per hour.
		10.51 pounds of nitrogen oxides (NO _x) per hour.
		0.69 pound of sulfur dioxide (SO ₂) per hour.
		0.84 pound of volatile organic compounds (VOC) per hour.
		Visible emissions of particulate shall not exceed 10% opacity as a six-minute average.
		See section b)(2)a.
b.	OAC rule 3745-31-05(D)	4.52 tons of CO per rolling, 12-month period.
		1.50 tons of PE per rolling, 12-month period.

		21.02 tons of NO _x per rolling, 12-month period.
		1.38 tons of SO ₂ per rolling, 12-month period.
		1.68 tons of VOC per rolling, 12-month period.
c.	OAC rule 3745-17-07(A)(1)	See Section b)(2)b.
d.	OAC rule 3745-17-11(B)(5)(a)	0.310 pound of PE per mmBtu of actual heat input
e.	OAC rule 3745-18-06(G)	0.5 pound of SO ₂ per mmBtu actual heat input.
f.	40 CFR Part 63 Subpart ZZZZ (40 CFR 63.6580-6675) [In accordance with 40 CFR 63.6590(a)(1)(iii), this emissions unit is an existing non-emergency, non-black start stationary CI RICE of 339 hp located at an area source of HAP.]	Comply with either limit by May 3, 2013: Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd at 15 percent O ₂ ; or Reduce CO emissions by 70 percent or more. See b)(2)c.
g.	40 CFR 63.1 – 15 (40 CFR 63.7760)	Table 8 to Subpart ZZZZ of 40 CFR Part 63 – Applicability of General Provisions to Subpart ZZZZ shows which parts of the General Provisions in 40 CFR 63.1 – 15 apply.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1), OAC rule 3745-17-11(B)(5)(a), and OAC rule 3745-18-06(G).
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. By May 3, 2013, minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

c) Operational Restrictions

- (1) The permittee shall only combust diesel fuel, containing equal to or less than 0.5% sulfur, by weight, in the emissions unit.
- (2) The maximum number of operating hours for emissions unit P001 shall not exceed 4,000 hours as a rolling, 12-month summation.
- (3) The permittee shall utilize injection timing retard as a NO_x control method.

- (4) The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6604	Non-road diesel fuel requirements per 40 CFR 80.510(b): 1) 15 ppm maximum sulfur content, 2) minimum cetane index of 40 or maximum aromatic content of 35% by volume.
63.6605(a)	Comply with emission and operating limits of this subpart.
63.6605(b)	Operate and maintain source consistent with safety and good air pollution control practices to minimize emissions.
63.6625(g)	Crankshaft ventilation system requirements.

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain monthly records of the following information:
- a. The hours of operation for P001 for each month;
 - b. The rolling, 12-month summation of the hours of operation, calculated by adding the current month's operating hours to the operating hours of the preceding eleven calendar months.
- (2) The permittee shall maintain documentation on the sulfur content of all fuels received.
- (3) 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.
- (4) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible 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 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.

- (5) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6630(a)	Demonstrate initial compliance with each emission and operation limitation that applies to you according to Table 5 of this subpart.
63.6655(a)(1)	Copies of notifications and reports to comply with this subpart.
63.6655(a)(2)	Malfunction records
63.6655(a)(3)	Records of performance test(s)
66.6655(a)(4)	Records of maintenance on any air pollution control and monitoring equipment.
66.6655(a)(5)	Records of actions taken during periods of malfunction to minimize emissions.
63.6660(a)	Records in form suitable and readily available for expeditious review per 40 CFR 63.11(b)(1).
63.6660(b)	Must keep record for at least five years from date of record.
63.6660(c)	Must keep each record readily accessible in hard copy or electronic form for at least five years after date of each record.

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel fuel, containing equal to or less than 0.5% sulfur, by weight, was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

- (2) The permittee shall submit quarterly deviation (excursion) reports which identify any exceedance of the rolling, 12-month hours of operation limitation.

If no deviations (excursions) occurred during the calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through the Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

- (3) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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.

- (4) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term number d)(4) above:

- a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit; and
- b. any corrective actions taken to minimize or eliminate the visible particulate emissions.

- (5) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR part 63, Subpart ZZZZ, per the following sections:

63.6630(c)	Submit notice of initial compliance status containing results of initial compliance demonstration.
63.6640(b)	Report each instance when you do not meet each emission limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d of this subpart that apply to you.
63.6640(e)	Report each instance of the General Provisions (listed in Table 8 of this subpart) were not met.
63.6645(a)	Submit all notifications of 40 CFR 63.7(b) and (c), 63.8(e), f)(4) and f)(6), 63.9(b) through (e) and (g) and (h) that apply to you by the date specified.



63.6645(g)	Submit notification of Intent to conduct a performance test at least 60 days before performance test is scheduled to begin.
63.6645(h)	Submit a Notification of compliance Status according to 40 CFR 63.9(h)(2)(ii) before the close of business on the 60 th day following completion of performance test according to 40 CFR 63.10(d)(2).
63.6650(a)	Must submit each report in Table 7 of this subpart that applies to you.
63.6650(b)	Semiannual reporting period and due date.6
63.6650(c)	Compliance report must contain the information in paragraphs (c)(1) through (c)(6) of this section.
63.6650(d)	Each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limit of this subpart must contain information in paragraphs (c)(1) through (c)(4) of this section and Paragraphs (d)(1) and (2) of this section.

- (6) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services 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 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:

Visible emissions of particulate from the stack shall not exceed 10% opacity as a six-minute average.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1).

b. Emission Limitation:

The emissions of CO shall not exceed 2.26 pounds per hour.

Applicable Compliance Method:

Compliance shall not be demonstrated by a one-time emissions calculation multiplying the emission factor listed in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3.1. Gasoline and Diesel Industrial Engines, dated 10/96, (0.00668 lb CO/hp-hr) by the maximum rated capacity of P001 (339hp) as follows:

$$(339 \text{ hp})(0.00668 \text{ lb CO/hp-hr}) = 2.26 \text{ lbs CO/hr}$$

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 10 of 40 CFR, Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

The emissions of CO shall not exceed 4.52 tons as a rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the hourly CO emission rate (2.26 pounds per hour) by the total number of hours operating per rolling, 12-month period, and dividing by 2,000 pounds per ton.

d. Emission Limitation:

The emissions of PE shall not exceed 0.75 pound per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time emissions calculation multiplying the emission factor listed in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3.1. Gasoline and Diesel Industrial Engines, dated 10/96, (0.00220 lb PE/hp-hr) by the maximum rated capacity of P001 (339 hp) as follows:

$$(339 \text{ hp})(0.00220 \text{ lb PE/hp-hr}) = 0.75 \text{ lb/hr}$$

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR, Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(b)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

e. Emission Limitation:

The emission of PE shall not exceed 1.50 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the hourly PE emissions rate (0.75 pound per hour) by the total number of hours operated per rolling, 12-month period, dividing by 2,000 pounds per ton.

f. Emission Limitation:

The emissions of NO_x shall not exceed 10.51 pounds per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time emissions calculation multiplying the emission factor listed in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3.1. Gasoline and Diesel Industrial Engines, dated 10/96, (0.031 lbNO_x/hp-hr) by the maximum rated capacity of P001 (339 hp) as follows:

$$(339 \text{ hp})(0.031 \text{ lbNO}_x/\text{hp-hr}) = 10.51 \text{ lbsNO}_x/\text{hr}$$

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 7 of 40 CFR, Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

g. Emission Limitation:

The emissions of NO_x shall not exceed 21.02 tons as a rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time emission calculation multiplying the hourly NO_x emission rate (10.51 pounds per hour) by the total number of hours operated per rolling, 12-month period, and dividing by 2,000 pounds per ton.

h. Emission Limitation:

The emissions of SO₂ shall not exceed 0.69 pound per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time emissions calculation multiplying the emission factor listed in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3.1. Gasoline and Diesel Industrial Engines, dated 10/96, (0.00205 lb SO₂/hp-hr) by the maximum rated capacity of P001 (339 hp) as follows:

$$(339 \text{ hp})(0.00205 \text{ lb SO}_2/\text{hp-hr}) = 0.69 \text{ lb SO}_2/\text{hr}$$

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 6 of 40 CFR, Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

i. Emission Limitation:

The emissions of SO₂ shall not exceed 1.38 tons as a rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the hourly SO₂ emission rate (0.69 pound per hour) by the total number of hours operated per rolling, 12-month period, and dividing by 2,000 pounds per ton.

j. Emission Limitation:

The emissions of VOC shall not exceed 0.84 pound per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time emissions calculation multiplying the emission factor listed in AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3.1. Gasoline and Diesel Industrial Engines dated 10/96, (0.00247 lb VOC/hp-hr) by the maximum rated capacity of P001 (339 hp) as follows:

$$(339 \text{ hp})(0.00247 \text{ lb VOC}/\text{hp-hr}) = 0.84 \text{ lb VOC}/\text{hr}$$

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 25 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

k. Emission Limitation:

The emissions of VOC shall not exceed 1.68 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the hourly VOC emission rate (0.84 pound per hour) by the total number of hours operated per rolling, 12-month period, and dividing by 2,000 pounds per ton.

l. Emission Limitation:

Particulate emissions shall not exceed 0.310 pound per mmBtu of actual heat input.

Applicable Compliance Method:

Compliance shall be determined by a one-time emissions calculation based on the emission factor of 0.310 lb/mmBtu specified in AP-42, Table 3.3.1, Gasoline and Diesel Industrial Engines, dated 10/96.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 1-5 of 40 CFR, Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

m. Emission Limitation:

Emissions of SO₂ shall not exceed 0.5 pound per mmBtu of actual heat input.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through fuel sampling and analysis performed in accordance with Methods 1-4 and Method 19 of 40 CFR, Part 60, Appendix A using the methods and procedures specified in OAc rule 3745-18-04(E)(3).

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through fuel sampling and analysis performed in accordance with Methods 1-4 and Method 19 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04(E)(3).

n. Emission Limitation:

Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd at 15% O₂

Applicable Compliance Method:

If required, compliance shall be determined in accordance with 40 CFR 63.6620. Alternative US EPA approved test methods may be used with prior approval from the Ohio EPA.

- o. Emission Limitation:

Reduce CO emissions by 70% or more.

Applicable Compliance Method:

If required, compliance shall be determined in accordance with 40 CFR 63.6620. Alternative US EPA approved test methods may be used with prior approval from the Ohio EPA.

- (2) 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 180 days after the compliance date specified in 40 CFR Part 63.6595 (May 3, 2013).
 - b. The emission testing shall be conducted to demonstrate compliance with either the CO concentration limit at 15 percent O₂ (dry basis) or the reduction of CO emissions across the control device.
 - c. The test method(s) employed to demonstrate compliance with the allowable mass emission rate(s) shall be in accordance with 40 CFR 63.6620.
 - 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 60 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 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.