



Environmental Protection Agency

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

10/31/2012

Mr. Anthony Ruggiero, III
Mar-Zane Portable Generator #11
1794 Moxahala Avenue
Zanesville, OH 43702

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

Facility ID: 0660015011
Permit Number: P0108016
Permit Type: Initial Installation
County: Muskingum

Certified Mail

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

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install and Operate (PTIO) for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the permit. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, Zanesville Times Recorder. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
122 South Front Street
Columbus, Ohio 43215

and Ohio EPA DAPC, Southeast District Office
2195 Front Street
Logan, OH 43138

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Ohio EPA DAPC, Southeast District Office at (740)385-8501.

Sincerely,

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

Cc: U.S. EPA Region 5 Via E-Mail Notification
Ohio EPA-SEDO; West Virginia



Permit Strategy Write-Up

1. Check all that apply:

X Synthetic Minor Determination

Netting Determination

2. Source Description:

Mar-Zane has applied for a PTIO for a portable compression ignition internal combustion engine, MTU (Onsite Energy Model # 750RXC6DT2) 7.92 mmBtu/hr Portable, 1,193 HP, 23.9 liter displacement, 4 cycle/rich burn, diesel-fired 750 kW-hr Generator, manufactured June 2010.

3. Facility Emissions and Attainment Status:

P001 is expected to be first located 5760 State Route 195, Kingsville, Ohio 44048, which is in Ashtabula County. Ashtabula County is partially in non-attainment for annual PM 2.5 (15.0 ug/m3), is in attainment for 8-hour ozone 0.8 ppm, but is listed as a maintenance area and attainment for the rest of the pollutants.

4. Source Emissions:

Mar-Zane has requested that a federally enforceable restriction of 4,848 operating hours per rolling, 12-month period be included in the permit to avoid state NAAQS modeling requirements for NOx and avoid Title V applicability when this portable source is co-located with similar sources.

5. Conclusion:

The emissions limitations, operating hours restriction, and associated monitoring, recordkeeping, and reporting requirements of this FEPTIO are sufficient to ensure federal enforceability.

6. Please provide additional notes or comments as necessary:

None

7. Total Permit Allowable Emissions Summary (for informational purposes only):

Table with 2 columns: Pollutant, Tons Per Year. Rows include CO (2.36), SO2 (9.70), NOx (24.99), VOC (0.16), PE (0.8).

PUBLIC NOTICE

10/31/2012 Issuance of Draft Air Pollution Permit-To-Install and Operate

Mar-Zane Portable Generator #11

3570 South River Rd,

Zanesville, OH 43701

Muskingum County

FACILITY DESC.: Asphalt Paving Mixture and Block Manufacturing

PERMIT #: P0108016

PERMIT TYPE: Initial Installation

PERMIT DESC: Portable 7.92 mmBtu/hr, 1,193 HP, 4 cycle/rich burn, diesel-fired 750 kW-hr Generator, manufactured June 2010; maximum of 4,848 hours of operation per rolling, 12-month period.

The Director of the Ohio Environmental Protection Agency issued the draft permit above. The permit and complete instructions for requesting information or submitting comments may be obtained at: <http://epa.ohio.gov/dapc/permitsonline.aspx> by entering the permit # or: RachealSams, Ohio EPA DAPC, Southeast District Office, 2195 Front Street, Logan, OH 43138. Ph: (740)385-8501



DRAFT

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Mar-Zane Portable Generator #11**

Facility ID:	0660015011
Permit Number:	P0108016
Permit Type:	Initial Installation
Issued:	10/31/2012
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance



Division of Air Pollution Control
Permit-to-Install and Operate
for
Mar-Zane Portable Generator #11

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Authorization

Facility ID: 0660015011
 Application Number(s): A0041721, A0044558
 Permit Number: P0108016
 Permit Description: Portable 7.92 mmBtu/hr, 1,193 HP, 4 cycle/rich burn, diesel-fired 750 kW-hr Generator, manufactured June 2010; maximum of 4,848 hours of operation per rolling, 12-month period.
 Permit Type: Initial Installation
 Permit Fee: \$200.00 *DO NOT send payment at this time, subject to change before final issuance*
 Issue Date: 10/31/2012
 Effective Date: To be entered upon final issuance
 Expiration Date: To be entered upon final issuance
 Permit Evaluation Report (PER) Annual Date: To be entered upon final issuance

This document constitutes issuance to:

Mar-Zane Portable Generator #11
 3570 South River Rd
 Zanesville, OH 43701

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, 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: P0108016

Permit Description: Portable 7.92 mmBtu/hr, 1,193 HP, 4 cycle/rich burn, diesel-fired 750 kW-hr Generator, manufactured June 2010; maximum of 4,848 hours of operation per rolling, 12-month period.

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:	Portable Generator #11
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. 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.

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.

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).

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.
2. The following emissions units contained in this permit are subject to 40 CFR Part 60, Subpart IIII. The complete NSPS requirements 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 follow U.S. EPA website:
<http://www.epa.gov/ttn/atw/area/arearules.html>.

C. Emissions Unit Terms and Conditions



1. P001, 1,193 HP Portable Diesel-Fired Generator Portable Generator #11

Operations, Property and/or Equipment Description:

Portable compression ignition internal combustion engine MTU (Onsite Energy Model # 750RXC6DT2) 7.92 mmBtu/hr, 1,193 HP, 4 cycle/rich burn, diesel-fired 750 kW-hr Generator, manufactured June 2010.

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. b)(1)b., g)(7)

(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)g., c)(2), d)(2), e)(3), f)(1)b., f)(1)c., and f)(1)e.

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)	The emissions limitation specified by this rule is equivalent to the emissions limitation established pursuant to 40 CFR Part 60, Subpart IIII for nitrogen oxides (NOx) emissions.
b.	OAC rule 3745-31-05(E), (to avoid state modeling)	The emissions limitation specified by this rule is equivalent to the emissions limitation established pursuant to OAC rule 3745-31-05(D) for nitrogen oxides (NOx) emissions.
c.	OAC rule 3745-31-05(A)(3), as effective 11/30/2001	Carbon monoxide (CO) emissions shall not exceed 0.98 lb/hr, and 2.36 tons/yr; and Sulfur Dioxide (SO ₂) emissions shall not exceed 4.0 lbs/hr. The requirements of this rule also include



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>compliance with the requirements of 40 CFR 60.4200 - 60.4219, OAC rules 3745-31-05(D) and (E), and OAC rules 3745-17-11(B)(5)(b) and 3745-17-07(A).</p> <p>See b)(2)a. below.</p>
d.	OAC rule 3745-31-05(A)(3)(b), as effective 12/01/2006	See b)(2)b. below.
e.	OAC rule 3745-31-05(C), as effective 12/01/06	See b)(2)c. below.
f.	OAC rule 3745-17-11(B)(5)(b)	The particulate emission limitation specified by this rule is less stringent than the particulate emission limitation established pursuant to 40 CFR 60.4204(b), 40 CFR 60.4201(a), and Table 1 to 40 CFR 89.112, Tier 2.
g.	OAC rule 3745-17-07(A)(1)	<p>Visible emissions from any stack shall not exceed 20% opacity, as a six-minute average, except as provided by the rule.</p> <p>The visible emission limitation specified by this rule is less stringent than the 15% opacity during the lugging mode and the 20% opacity during the acceleration mode visible emission limitations established pursuant to 40 CFR 60.4204(b), 40 CFR 60.4201(a), and 40 CFR 89.113(a).</p> <p>The visible emission limitation specified by this rule is more stringent than the 50% opacity during the peaks or lugging modes visible emission limitation established pursuant to 40 CFR 60.4204(b), 40 CFR 60.4201(a), and 40 CFR 89.113(a).</p>
h.	OAC rule 3745-31-05 (D) (Synthetic minor to restrict federally enforceable PTE)	<p>Emissions shall not exceed the following as a rolling, 12-month summation:</p> <p>24.99 tons NOx 9.70 tons SO₂</p> <p>See c)(2) below.</p>
i.	OAC rule 3745-18-06(G)	This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
j.	OAC rule 3745-110-03(F)	This emissions unit is exempt from the requirements of OAC rule 3745-110-03(F) pursuant to OAC rule 3745-110-03(J)(3).
k.	<p>40 CFR Part 60, Subpart IIII (40 CFR 60.4200 - 60.4219)</p> <p>[In accordance with 40 CFR 60.4200(a)(2)(i), this emissions unit, construction date 06/01/2010, is a stationary compression ignition internal combustion engine subject to the emissions limitations specified in this section.]</p>	<p>Emissions shall not exceed: 6.4 grams NOx + NMHC/kW-hr 0.20 gram particulate matter (PM)/kW-hr 3.5 grams CO/kW-hr</p> <p>[40 CFR 60.4204(b), 40 CFR 60.4201(a), and Table 1 to 40 CFR 89.112, Tier 2]</p> <p>The sulfur content of the diesel fuel burned in this emissions unit shall not exceed 15 ppm per gallon of oil or 0.0015% sulfur by weight.</p> <p>[40 CFR 60.4207(b) and 40 CFR 80.510(b)]</p> <p>Exhaust opacity must not exceed: 20% opacity during the acceleration mode, 15% opacity during the lugging mode, and 50% opacity during the peaks in either the acceleration or lugging modes.</p> <p>[40 CFR 60.4204(b), 40 CFR 60.4201(a), and 40 CFR 89.113(a)]</p> <p>See b(2)(d).</p> <p>The CO emissions limitations specified by this rule 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.</p>
l.	40 CFR 60.1-19 (40 CFR 60.4218)	Table 8 of Subpart IIII of 40 CFR Part 60 – Applicability of General Provisions to Subpart IIII, specifies the provisions of Subpart A that apply to owners and operators of affected facilities subject to this subpart or that apply with certain exceptions.

(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, then 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 Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the CO, VOC, and PE from this air contaminant source since the uncontrolled potential to emit for CO, VOC, and PE is less than 10 tons/yr.

c. Permit P0108016 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 Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) for SO₂:

- i. Operational restriction of 4,848 hours per year.
- ii. SO₂ emissions shall not exceed 9.70 tons per year.

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.

d. The permittee shall comply with the applicable requirements of 40 CFR Part 60 Subpart IIII, including the following sections:

40 CFR 60.4207(b)	Diesel fuel requirements
40 CFR 80.510(a) and (b)	Diesel fuel requirements
40 CFR 60.4206	Maintain emissions standards
40 CFR 60.4211(a)	Operational requirements
40 CFR 60.4211(c)	Emissions standards
40 CFR 60.4218	General provisions applicability



c) Operational Restrictions

- (1) The permittee shall burn only diesel fuel, having a sulfur content of no greater than 0.5%, by weight, in this emissions unit.
- (2) The permittee has requested a federally enforceable limitation on operating hours to avoid Title V applicability when co-located with similar sources. Therefore, the maximum number of operating hours for emissions unit P001 shall not exceed 4,848 hours as a rolling, 12-month summation. To ensure compliance during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the operating hours specified in the following table:

<u>Month(s)</u>	<u>Maximum Cumulative Operating Hours</u>
1-1	720
1-2	1,440
1-3	2,160
1-4	2,880
1-5	3,600
1-6	4,320
1-7	4,848
1-8	4,848
1-9	4,848
1-10	4,848
1-11	4,848
1-12	4,848

After the first 12 calendar months of operation following the startup of emissions unit P001, compliance with the annual operating hour limitation shall be based upon a rolling, 12-month summation of the operating hours.

- (3) The permittee shall comply with the applicable requirements of 40 CFR Part 60 Subpart IIII, including the following sections:

40 CFR 60.4207(b)	Diesel fuel requirements
40 CFR 80.510(a) and (b)	Diesel fuel requirements
40 CFR 60.4206	Maintain emissions standards

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than diesel fuel having a sulfur content of no greater than 0.5%, by weight,, 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 following information:
 - a. The hours of operation for P001 for each month.
 - b. During the first 12 calendar months of operation following the issuance of this permit, the cumulative hours of operation, calculated by adding the current month's operating hours to the operating hours for each calendar month since the issuance of this permit.
 - c. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling 12-month summation of the hours of operation, calculated by adding the current month's operating hours to the operating hours for the preceding 11 calendar months.

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (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 submit quarterly deviation (excursion) reports that identify:
 - a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:

The maximum number of operating hours for emissions unit P001 shall not exceed 4,848 hours as a rolling, 12-month summation.
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a 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 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).

f) Testing Requirements

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

a. Emissions Limitation:

SO₂ emissions shall not exceed 4.0lbs/hr.

Applicable Compliance Method:

Compliance with the lb/hr emissions limitation shall be demonstrated by multiplying the emission factor for SO₂ of 0.505 lb/mmBtu from AP-42, Table 3.4 (10/96) by the maximum heat input of P001 (7.92 mmBtu/hr).

If required, compliance with the hourly sulfur dioxide emission limitation 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 the Ohio EPA, Southeast District Office.

b. Emissions Limitation:

Emissions shall not exceed 9.70 tons SO₂ as a rolling 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the hourly SO₂ emission limitation by the total number of hours operated per 12-month rolling period, as recorded in Section c)(2), and dividing by 2000 lbs/ton. Therefore, compliance with the rolling, 12-month emission limitation shall be assumed provided compliance is maintained with the hourly emission limitation and the operating hours restriction.

c. Emissions Limitation:

Emissions shall not exceed 24.99 tons NO_x as a rolling 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the manufacturer supplied emission factor for NO_x of 6.233 g/kW-hr by the rated capacity of 750 kW, multiplied by the grams to pound conversion factor of 0.002205 grams per pound, by the total number of hours operated per 12-month rolling period, as recorded in Section C.2, and dividing by 2000 lbs/ton.

d. Emissions Limitation:

CO emissions shall not exceed 0.98 lb/hr.

Applicable Compliance Method:

The lb/hr emissions limitation was established based on the manufacturer's certification and shall be ensured by maintaining the engine according to the manufacturer's specifications.

If required, compliance with the hourly carbon monoxide emission limitation 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 the Ohio EPA, Southeast District Office.

e. Emissions Limitation:

Emissions shall not exceed 2.36 tons CO as a rolling 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the hourly CO emission limit by the total number of hours operated per 12-month rolling period, as recorded in Section c)(2), and dividing by 2000 lbs/ton. Therefore, compliance with the rolling, 12-month emission limitation shall be assumed provided compliance is maintained with the hourly emission limitation and the operating hours restriction.

f. Emissions Limitation:

Emissions shall not exceed 0.20 gram PM/kw-hr.

Applicable Compliance Method:

The g/kw-hr emissions limitation was established based on the emissions limit from Table 1 of 40 CFR 89.112, the Tier 2 exhaust emission standards for diesel engines of 750 horsepower or greater (560 kilowatts or greater).

If required, compliance with the hourly PM emission limitation 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". Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA, Southeast District Office.

g. Emissions Limitations:

Visible emission from any stack shall not exceed 20% opacity, as a six-minute average, except as provided by the rule.

Exhaust opacity must not exceed: 20% opacity during the acceleration mode, 15% opacity during the lugging mode, and 50% opacity during the peaks in either the acceleration or lugging modes.

Applicable Compliance Method:

The ICE shall be purchased certified to the opacity standards of 40 CFR 89.113. If required, compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

h. Emissions Limitation:

Emissions shall not exceed 6.4 grams NO_x + NMHC/kW-hr

Applicable Compliance Method:

The emission limitation was established based on the manufacturer's certification and shall be assured by maintaining the engine according to the manufacturer's specifications. The g/kW-hr limit is the emission limitation from Table 1 of 40 CFR 89.112, the Tier 2 exhaust emission standards for diesel engines 750 horsepower or greater (560 kilowatts or greater).

i. Emissions Limitation:

Emissions shall not exceed 3.5 grams CO/kW-hr

Applicable Compliance Method:

Compliance with the emissions limitation shall be based on the manufacturer's certification and by maintaining the engine according to the manufacturer's specifications. The g/kW-hr limits are the emission limitation from Table 1 of 40 CFR 89.112, the Tier 2 exhaust emission standards for diesel engines 750 horsepower or greater (560 kilowatts or greater).

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 (PTI) or 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.
- (7) 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 and operate 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 material, 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 permit to install and operate.