



State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:

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

12/29/2008

Athony Ruggiero III
Mar Zane Materials Portable Plant 11
3570 South River Rd.
Zanesville, OH 43701

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0660950029
Permit Number: P0090134
Permit Type: Renewal
County: Muskingum

Certified Mail

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

Dear Permit Holder:

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

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

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

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

Sincerely,

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

Cc: Ohio EPA-SEDO

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
Mar Zane Materials Portable Plant 11**

Facility ID: 0660950029
Permit Number: P0090134
Permit Type: Renewal
Issued: 12/29/2008
Effective: 12/29/2008
Expiration: 12/29/2018



Air Pollution Permit-to-Install and Operate
for
Mar Zane Materials Portable Plant 11

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Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0090134
Facility ID: 0660950029
Effective Date: 12/29/2008

Authorization

Facility ID: 0660950029
Application Number(s): A0021427
Permit Number: P0090134
Permit Description: FEPTIO to restrict the annual operating hours for the attached generator on this screening machine. The screen may be subject to NSPS OOO if the screen plant co-locates with a crusher subject to NSPS OOO.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 12/29/2008
Effective Date: 12/29/2008
Expiration Date: 12/29/2018
Permit Evaluation Report (PER) Annual Date: Apr 1 - Mar 31, Due May 15

This document constitutes issuance to:

Mar Zane Materials Portable Plant 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

Chris Korleski
Director



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0090134
Facility ID: 0660950029
Effective Date: 12/29/2008

Authorization (continued)

Permit Number: P0090134
Permit Description: FEPTIO to restrict the annual operating hours for the attached generator on this screening machine. The screen may be subject to NSPS OOO if the screen plant co-locates with a crusher subject to NSPS OOO.

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

| | |
|-----------------------------------|----------------|
| Emissions Unit ID: | P901 |
| Company Equipment ID: | Screen Plant |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0090134

Facility ID: 0660950029

Effective Date: 12/29/2008

A. Standard Terms and Conditions



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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.



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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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



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

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, 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 submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

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

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

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

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



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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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0090134

Facility ID: 0660950029

Effective Date: 12/29/2008

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. Emissions unit P901 is subject to 40 CFR Part 60, Subpart OOO. The complete NSPS requirements, including the 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. 40 CFR Part 60, Subpart OOO will apply to this portable emissions unit when it co-locates with a crusher subject to Subpart OOO.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0090134

Facility ID: 0660950029

Effective Date: 12/29/2008

C. Emissions Unit Terms and Conditions



1. P901, Screen Plant

Operations, Property and/or Equipment Description:

600 TPH Screening Plant with attached 67 HP Deutz diesel generator

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)g., c)(2), d)(5), e)(2), f)(1)d., f)(1)f., f)(1)h., f)(1)j. and f)(1)k.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|----|--|--|
| | 600 TPH Portable Screener #11 | |
| a. | OAC rule 3745-31-05(A)(3) (PTI # 06-08183, issued 12/12/06) | 3.74 tons/year of fugitive particulate emissions (PE). Best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust (See b)(2)a. through b)(2)f). The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(7)(b). Visible emissions of fugitive dust discharging from the screener, transfer points or conveyors shall not exceed 10% opacity. |
| b. | OAC rule 3745-17-07(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08) | The requirements specified in these rules are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3). |



| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|------------------------------|--|---|
| c. | OAC rule 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08) | The requirements specified in these rules are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3). |
| d. | 40 CFR 60 Subpart OOO (40 CFR 60.670-676) (applicable when co-located at an affected facility as defined in 40CFR Part 60.670) | Visible emissions of fugitive dust discharging from the screener, transfer points or conveyors shall not exceed 10% opacity. [40 CFR 60.672(b)] The emission limitation specified by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| e. | 40 CFR 60.1-19 (40 CFR 60.670(f)) | Table 1 to Subpart OOO of 40 CFR Part 60 – Applicability of Subpart A to Subpart OOO. |
| 67 HP Duetz Generator | | |
| f. | OAC rule 3745-31-05(A)(3) | Emissions shall not exceed: 0.14 pounds per hour (lbs/hr) of sulfur dioxide (SO ₂); 2.08 lbs/hr of nitrogen oxides (NO _x); 0.17 lb/hr of volatile organic compounds (VOC); 0.45 lbs/hr of carbon monoxide (CO). The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-05(D), 3745-17-11(B)(5)(a) and 3745-17-07(A). |
| g. | OAC rule 3745-31-05(D) (Restriction to avoid Title V when co-locating with similar sources.) | Emissions shall not exceed the following, as a rolling, 12-month summation: 0.45 tons SO ₂ : 6.74 tons NO _x 0.55 tons VOC 1.46 tons CO 0.44 tons particulate emissions (PE) See c)(2). |
| h. | OAC rule 3745-17-11(B)(5)(a) | Emissions shall not exceed 0.310 lb PE/million Btu of actual heat input. |
| i. | OAC rule 3745-17-07(A)(1) | Visible particulate emissions shall not exceed 20% opacity as a six-minute |



| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|----|-------------------------------|---|
| | | average, except as provided by rule. |
| j. | OAC rule 3745-18-06(G) | Exempt. See b)(2)a. |
| k. | OAC rule 3745-21-08(B) | See b)(2)b. |

(2) Additional Terms and Conditions

- a. This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
- b. The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B).

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 exists as part of the federally-approved SIP for Ohio.

- c. The material handling operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

load-in to screen
 screen
 2 conveyors/stackers

- d. The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform watering of all the above-mentioned material handling operations if the inherent moisture content of the aggregate material is insufficient to ensure compliance with the above-mentioned applicable requirements. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. For each material handling operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measure(s) is unnecessary.
- f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.



c) Operational Restrictions

- (1) The permittee shall only burn low sulfur No. 2 or diesel fuel, containing no more than 0.5% sulfur by weight, in this emissions unit.
- (2) The permittee has requested a limitation on operating hours for purposes of limiting potential to emit to avoid Title V requirements associated with relocation of a portable source with other similar sources. Therefore, the maximum annual operating hours for this emissions unit shall not exceed 6,480, based upon a rolling, 12- month summation of the operating hours.
- (3) The restriction on the hours of operation of the generator attached to the 600 TPH screener reduces the maximum annual production of the aggregate processing plant to 3,888,000 tons per year.
- (4) There are no operational restrictions associated with 40 CFR 60, Subpart OOO.

d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

| material handling operation(s) | minimum inspection frequency |
|--------------------------------|------------------------------|
| All | Daily |

The above-mentioned inspections shall be performed during representative, normal operating conditions.

- (2) For materials handling operations the permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and,
 - d. on a calendar quarter basis, the total number of days the control measures were implemented.

The information in d)(2)d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (3) For each day during which the permittee burns a fuel other than low sulfur No. 2 or diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (4) The permittee shall maintain documentation on the sulfur content of all fuels received.



- (5) The permittee shall maintain monthly records of the following information:
 - a. the operating hours for each month;
 - b. the rolling, 12 - month summation of the operating hours.
- (6) This emissions unit does not employ a wet scrubber therefore the requirements of 40 CFR Part 60.674, Subpart OOO do not apply.

e) Reporting Requirements

- (1) 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.
- (2) 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 annual operating hours for this emissions unit shall not exceed 6,480, based upon a rolling, 12- month summation of the operating hours.
 - 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 (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and the thirty-first of October (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 emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:

3.74 tons/year PE



Applicable Compliance Method:

Compliance with the annual emission limitation shall be demonstrated by the following calculations based on the emission factors in AP-42 sections 13.2.4 (1/95) and 11.19.2 (8/04); emission factors in AP-42 section 13.2.4 (01/95); and the maximum annual throughput of 3,888,000 TPY.

Transfer Points and Screen

$$PE = [[(\# \text{ transfer points})(\text{transfer points EF})(\text{Max Annual Total})] + [(\text{Screening EF})(\text{Max Annual Tons})]]/2000 \text{ lbs/ton}$$

$$PE = [[(4)(0.003 \text{ lbs/ton})(3,888,000 \text{ TPY})] + [(0.025 \text{ lbs/tons})(3,888,000 \text{ TPY})]]/2,000\text{lbs/ton}$$

$$= [46,656 \text{ lbs}] + [97,200 \text{ lbs}] / 2,000\text{lbs/ton} = 71.9 \text{ TPY uncontrolled PE}$$

Assume 95% control for watering (engineering estimate of permittee)

$$(71.9 \text{ TPY}) (0.05) = 3.60 \text{ TPY controlled PE}$$

Load-In to Screen

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

Where:

EF = emission factor expressed in pounds per ton (lbs/ton)

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

U = mean wind speed expressed in miles per hour (MPH) = 9.1

M= material moisture content (%) = 5.0

Therefore, EF = .0014 lbs/ton

maximum annual load-in throughput = 3,888,000TPY

$$PE = [(0.0014 \text{ lb/ton})(3,888,000 \text{ TPY})] / 2,000\text{lbs/ton} = 2.72\text{TPY uncontrolled PE}$$

Assume 95% control for watering (engineering estimate of permittee)

$$(2.72 \text{ TPY})(0.05) = 0.14 \text{ controlled PE}$$

Total Aggregate Handling = Transfer Points and Screens + Load-In to Screen=

$$3.60 \text{ TPY} + 0.14 \text{ TPY} = 3.74 \text{ TPY controlled PE}$$

b. Emission Limitation:

Visible emissions of fugitive dust discharging from the screening operation, transfer points, or conveyors, shall not exceed 10% opacity.



Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR Part 60, Appendix A.

c. Emission Limitation:

NOx emissions shall not exceed 2.08 lb/hr.

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.031 lb/Hp-hr) by the maximum rated capacity of P901 (67 HP).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with the methods and procedures specified in USEPA Methods 1-4 and 7.

d. Emission Limitation:

NOx emissions shall not exceed 6.74 tons, as a rolling, 12-month summation.

Applicable Compliance Method:

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

e. Emission Limitations:

SO2 emissions shall not exceed 0.14 lb/hr.

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00205 lb/HP-hr) by the maximum rated capacity of P901 (67 HP).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with the methods and procedures specified in USEPA Methods 1-4 and 6.

f. Emission Limitations:

SO2 emissions shall not exceed 0.45 tons, as a rolling 12-month summation.

Applicable Compliance Method:

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



g. Emission Limitations:

VOC emissions shall not exceed 0.17 lb/hr.

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00251 lb/HP-hr) by the maximum rated capacity of P901 (67 HP).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with the methods and procedures specified in USEPA Methods 1-4 and 18, 25, or 25A.

h. Emission Limitations:

VOC emissions shall not exceed 0.55 tons, as a rolling 12-month summation.

Applicable Compliance Method:

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

i. Emission Limitations:

CO emissions shall not exceed 0.45 lb/hr.

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00668 lb/HP-hr) by the maximum rated capacity of P901 (67 HP).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with the methods and procedures specified in USEPA Methods 1-4 and 10.

j. Emission Limitations:

CO emissions shall not exceed 1.46 tons, as a rolling 12-month summation.

Applicable Compliance Method:

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

k. Emission Limitation:

Particulate emissions shall not exceed 0.44 tons, as a rolling 12-month summation.



Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.31 lb/MMBtu) by the rated capacity (0.44 MMBtu/hr) of P901. Compliance with the tons per year emission limitation is demonstrated by multiplying the actual annual hours of operation by the lbs/hr emission calculation, then dividing by 2,000 lbs/ton.

I. Emission Limitation:

Particulate emissions shall not exceed 0.310 lb/million Btu actual heat input.

Applicable Compliance Method:

Compliance shall be based upon an emission factor of 0.31 lb/million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (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).

m. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with USEPA Method 9 of 40 CFR 60, Appendix A.

(2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

In accordance with 40 CFR Part 60.675(b)(2), Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity.

When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) of this subpart, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if there are no individual readings greater than 10 percent opacity and there are no more than 3 readings of 10-percent for the 1 hour period.

a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but not later than 180 days after initial startup of the emissions unit.

b. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.



- c. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
- d. 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.
- e. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

g) Miscellaneous Requirements

- (1) At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install and operate (PTIO) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i), or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(E).
- (2) Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(E), 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 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 PTIO and demonstrate continuing compliance with the requirements of the permit .
- (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 rule 3745-15-07 of the Administrative Code and that the relocation will not result in the installation or 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(E) (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 rule 3745-47, has been published in the county where the proposed site(s) is/are located; and
 - 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 notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-05(E) shall be valid for no longer than 3 years and are subject to renewal. Also, pursuant to OAC rule 3745-31-05(F), 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 (KKK) and (III), the permittee shall submit an application and obtain a PTI for the new location prior to



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Final Permit-to-Install and Operate

Permit Number: P0090134

Facility ID: 0660950029

Effective Date: 12/29/2008

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 rule 3745-77, which may include the requirement to apply for a Title V permit.