



Environmental Protection Agency

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

8/13/2012

Joan Martin
OSCAR BRUGMANN SAND & GRAVEL, INC.
3828 DUDLEY ROAD
Mantua, OH 44255

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1667050040
Permit Number: P0110606
Permit Type: Renewal
County: Portage

Certified Mail

No	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
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

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

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

If you have any questions, please contact Akron Regional Air Quality Management District at (330)375-2480 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: ARAQMD



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
OSCAR BRUGMANN SAND & GRAVEL, INC.**

Facility ID:	1667050040
Permit Number:	P0110606
Permit Type:	Renewal
Issued:	8/13/2012
Effective:	8/13/2012
Expiration:	5/18/2019



Division of Air Pollution Control
Permit-to-Install and Operate
for
OSCAR BRUGMANN SAND & GRAVEL, INC.

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Authorization

Facility ID: 1667050040
Application Number(s): A0045269
Permit Number: P0110606
Permit Description: PTIO Renewal permit for an aggregate processing plant with a diesel generator.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 8/13/2012
Effective Date: 8/13/2012
Expiration Date: 5/18/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

OSCAR BRUGMANN SAND & GRAVEL, INC.
3828 DUDLEY ROAD
MANTUA, OH 44255

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

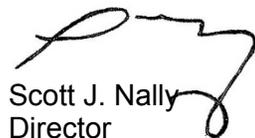
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Akron Regional Air Quality Management District
146 South High Street, Room 904
Akron, OH 44308
(330)375-2480

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: P0110606

Permit Description: PTIO Renewal permit for an aggregate processing plant with a diesel generator.

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

Emissions Unit ID:

F009

Company Equipment ID:

Aggregate Processing Plant #5 w/ Generator

Superseded Permit Number:

16-02235

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 Akron Regional Air Quality Management District 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 Ohio EPA has determined that this facility is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines located at an area source. Although Ohio EPA has determined that this Generally Available Control Technology NESHAP (GACT) applies, 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 this rule are in effect and shall be enforced by U.S. EPA. For more information on the area source rules, please refer to the following U.S. EPA website: <http://www.epa.gov/ttn/atw/area/arearules.html>.

C. Emissions Unit Terms and Conditions



1. F009, Aggregate Processing Plant #5 w/ Generator

Operations, Property and/or Equipment Description:

Aggregate processing plant consisting of 2 screens, 9 conveyors, product loading, 1 sand screw, and 1 diesel engine.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	<p><u>Aggregate Processing Plant:</u></p> <p>Fugitive particulate emissions (PE) shall not exceed 5.3 tons per year, see b)(2)h.</p> <p>20% opacity, as a 3-minute average for truck dumping into the feed hopper.</p> <p>There shall be no visible particulate emissions from the wet sand screw.</p> <p>See b)(2)a.</p> <p><u>Diesel Generator:</u></p> <p>Nitrogen oxides (NOx) emissions shall not exceed 4.15 pounds per hour and 18.18 tons per year.</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>Carbon monoxide (CO) emissions shall not exceed 0.89 pounds per hour and 3.90 tons per year.</p> <p>Sulfur oxides (SOx) emissions shall not exceed 0.27 pounds per hour and 1.18 tons per year.</p> <p>PE emissions shall not exceed 0.29 pounds per hour and 1.27 tons per year.</p> <p>Volatile organic compounds (VOC) emissions shall not exceed 0.33 pounds per hour and 1.45 tons per year.</p>
b.	40 CFR Part 60, subpart OOO	<p>Fugitive PE from screening operations, transfer points on belt conveyors, storage hoppers and any other affected facility as defined by this rule, shall not exceed 10% opacity, as a 6-minute average.</p> <p>There shall be no visible PE from all saturated equipment.</p>
c.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the diesel generator's exhaust stack shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
d.	OAC rules 3745-17-07(B) and 3745-17-08(B)	The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).
e.	OAC rule 3745-17-11(B)(5)(a)	The particulate emissions from the diesel generator's exhaust shall not exceed 0.310 pound per million Btu of actual heat input.
f.	OAC rule 3745-18-06(B)	Stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 MM Btu per hour total rated capacity are exempt from paragraphs (D), (F), and (G) of OAC rule 3745-18-07 to 3745-19-94 of the Administrative Code.

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust from emissions unit F009. If the



inherent moisture in the sand and gravel is not sufficient to comply with the opacity restrictions of this permit, the permittee shall install equipment to apply water, or any other suitable dust suppressant, at appropriate locations in the production line.

- b. The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

Emission Point	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Truck dumping into Grayson feed hopper F1	Front-end loaders/feed hopper	20% as a 3-minute average	OAC rule 3745-31-05(A)(3)
Grayson feed hopper F1 to belt conveyor C1	Transfer point	10%	40 CFR Part 60, subpart 000
Belt conveyor C1 to belt conveyor C2	Transfer point	10%	40 CFR Part 60, subpart 000
Belt conveyor C2 to Simplicity screen S2	Transfer point	10%	40 CFR Part 60, subpart 000
Simplicity screen S1 to belt conveyor C3	Transfer point	10%	40 CFR Part 60, subpart 000
Belt conveyor C3 to belt conveyor C4	Transfer point	10%	40 CFR Part 60, subpart 000
Simplicity screen S1 to belt conveyor C5	Transfer point	10%	40 CFR Part 60, subpart 000
Belt conveyor C5 to wash screen S2	Transfer point	10%	40 CFR Part 60, subpart 000
Wash screen S2 to belt conveyor C6	Transfer point	No visible particulate emissions	40 CFR Part 60
Wash screen S2 to belt conveyor C7	Transfer point	No visible particulate emissions	40 CFR Part 60
Wash screen S2 wet sand screw SS1	Transfer point	No visible particulate emissions	40 CFR Part 60
Wet sand screw SS1 to conveyor belt C8	Transfer point	No visible particulate emissions	40 CFR Part 60
Belt conveyor C8 to belt conveyor C9	Transfer point	No visible particulate emissions	40 CFR Part 60

- c. The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

Material handling operation(s)	Control measure(s)
Truck dumping into Grayson feed hopper	Maintain a low drop height and a high moisture content for the material being processed.
Transfer points	Maintain a high moisture content for the material being processed.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- d. For each material handling operation that is not adequately enclosed, the above-identified control measure(s) 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 measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
- e. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OACrule 3745-31-05.
- f. Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup.
- g. The 5.3 tons of PE per year limitation was established to reflect the potential to emit for this emission unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions of fugitive dust from the Simplicity screen, the wash screen, and the wet sand screw. 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 location and color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emissions.

- (2) 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 Operations Once During Each Day of Operation

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

- (3) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

- (4) The permittee shall maintain records of the following information for the material processing and handling operations:

- 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” 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.

e) Reporting Requirements

- (1) 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.

- (2) The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in Section 60.672 of 40 CFR Part 60, subpart OOO, including reports of opacity observations made using Method 9.
- (3) The permittee of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to the no visible emission limit and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit and the emission test requirements of Section 60.11 of 40 CFR Part 60, subpart A and 40 CFR Part 60, subpart OOO. Likewise a screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit.
- (4) The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment of equal or smaller size having the same function as the existing facility:
 - a. For a screening operation:
 - i. the total surface area of the top screen of the existing screening operation being replaced, and
 - ii. the total surface area of the top screen of the replacement screening operation;
 - b. For a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted within 30 days after equipment replacement.

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:
5.3 tons of PE per year

Applicable Compliance Method:

Total Emissions = Screening + Load-in to feed hopper + Conveying transfer points

Screening: For each screening operation, multiply the AP-42 emission factor (AP-42, Table 11.19.2-2 (1/95)) of 0.001764* pound of particulate emissions per ton of material throughput by the maximum annual material throughput rate.

Load-in to Feed Hopper: Multiply the AP-42 derived emission factor (AP-42, Chapter 13.2.4 equation 1 (1/95)) of 0.00218 pound of particulate emissions per ton of loaded-in by the maximum annual amount of material loaded-in, then divided by 2000.

Conveying transfer points: For each conveyor transfer point, multiply the AP-42 emission factor (AP-42, Table 11.19.2-2 (1/95)) of 0.0001* pound of particulate emissions per ton of material throughput by the maximum annual material throughput rate, then divided by 2000.

*Emission factor was multiplied by 2.1 to convert the emission factor from PM-10 to total suspended particulate.

b. Emission Limitation:

20% opacity as a three-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3).

c. Emission Limitation:

10% opacity for the screening operation and the transfer points

Applicable Compliance Method:

Compliance shall be demonstrated using US EPA Method 9 of 40 CFR Part 60, Appendix A.

d. Emission Limitation:

No visible particulate emissions

Applicable Compliance Method:

Compliance shall be demonstrated using US EPA Method 22 of 40 CFR Part 60, Appendix A.

e. Emission Limitation:

4.15 pounds of NO_x per hour

Applicable Compliance Method:

Multiply the AP-42 emission factor of 4.41 pounds of NO_x per million Btu of fuel input (AP-42 Table 3.3-1 dated 10/96) by the maximum fuel input.

f. Emission Limitation:

18.18 tons of NO_x per year

Applicable Compliance Method:

Multiply the allowable hourly emissions limitation by 8760 hours per year then divide by 2000 pounds per ton.

g. Emission Limitation:

0.89 pound of CO per hour

Applicable Compliance Method:

Multiply the AP-42 emission factor of 0.95 pound of CO per million Btu of fuel input (AP-42 Table 3.3-1 dated 10/96) by the maximum fuel input.

h. Emission Limitation:

3.90 tons of CO per year

Applicable Compliance Method:

Multiply the allowable hourly emissions limitation by 8760 hours per year, then divide by 2000 pounds per ton.

i. Emission Limitation:

0.27 pound of SO_x per hour

Applicable Compliance Method:

Multiply the AP-42 emission factor of 0.29 pound of SO_x per million Btu of fuel input (AP-42 Table 3.3-1 dated 10/96) by the maximum fuel input.

j. Emission Limitation:

1.18 tons of SO_x per year

Applicable Compliance Method:

Multiply the allowable hourly emissions limitation by 8760 hours per year, then divide by 2000 pounds per ton.

k. Emission Limitation:

0.29 pound of PE per hour

Applicable Compliance Method:

Multiply the allowable emission limit of 0.310 pound of PE per million Btu of actual fuel input by the maximum fuel input.

l. Emission Limitation:

1.27 tons of PE per year

Applicable Compliance Method:

Multiply the allowable hourly emissions limitation by 8760 hours per year, then divide by 2000 pounds per ton.

m. Emission Limitation:

0.33 pound of VOC per hour

Applicable Compliance Method:

Multiply the AP-42 emission factor of 0.35 pound of VOC per million Btu of fuel input (AP-42 Table 3.3-1 dated 10/96) by the maximum fuel input.

n. Emission Limitation:

1.45 tons of VOC per year

Applicable Compliance Method:

Multiply the allowable hourly emissions limitation by 8760 hours per year, then divide by 2000 pounds per ton.

o. Emission Limitation:

Visible particulate emissions from the diesel generator's exhaust stack shall not exceed twenty percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

p. Emission Limitation:

The particulate emissions from the diesel generator's exhaust shall not exceed 0.310 pound per million Btu of actual heat input.

Applicable Compliance Method:

If required, compliance with the allowable emission limitation shall be determined in accordance with test method(s) and procedures specified in OAC rule 3745-17-03(B)(10). Miscellaneous Requirements

- g) Miscellaneous Requirements
 - (1) None.