



5/8/2014

Certified Mail

Beth Mowrey
SHELLY MATERIALS INC - ST. LOUISVILLE
P.O. Box 266
Thornville, OH 43076

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0145020367
Permit Number: P0083757
Permit Type: Renewal
County: Licking

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) 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. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTIO 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
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

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

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Central District Office at (614)728-3778 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-CDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
SHELLY MATERIALS INC - ST. LOUISVILLE**

Facility ID:	0145020367
Permit Number:	P0083757
Permit Type:	Renewal
Issued:	5/8/2014
Effective:	5/8/2014
Expiration:	5/8/2024



Division of Air Pollution Control
Permit-to-Install and Operate
for
SHELLY MATERIALS INC - ST. LOUISVILLE

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Authorization

Facility ID: 0145020367
Application Number(s): A0014155
Permit Number: P0083757
Permit Description: PTIO renewal permit for paved and unpaved roadways, storage piles, crushing and screening operations, and material handling operations located at a Construction Sand and Gravel Mining facility. Administrative modification to the BAT limitations for emissions units F001, F002, F003, F004, and F005 based on AP-42 emissions factors revised in August 2004, and for emissions unit F006 because of an error calculating the original PE limitation.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 5/8/2014
Effective Date: 5/8/2014
Expiration Date: 5/8/2024
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

SHELLY MATERIALS INC - ST. LOUISVILLE
6824 MOUNT VERNON RD
NEWARK, OH 43055

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

Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

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

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Craig W. Butler
Director



Authorization (continued)

Permit Number: P0083757
Permit Description: PTIO renewal permit for paved and unpaved roadways, storage piles, crushing and screening operations, and material handling operations located at a Construction Sand and Gravel Mining facility. Administrative modification to the BAT limitations for emissions units F001, F002, F003, F004, and F005 based on AP-42 emissions factors revised in August 2004, and for emissions unit F006 because of an error calculating the original PE limitation.

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

Emissions Unit ID:	F001
Company Equipment ID:	Plant #1
Superseded Permit Number:	01-7339
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F002
Company Equipment ID:	Plant #2
Superseded Permit Number:	01-7339
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F003
Company Equipment ID:	Plant #3
Superseded Permit Number:	01-7339
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F004
Company Equipment ID:	Plant #4
Superseded Permit Number:	01-7339
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F005
Company Equipment ID:	Material Handling
Superseded Permit Number:	01-7339
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F006
Company Equipment ID:	Storage Piles
Superseded Permit Number:	01-7339
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F007
Company Equipment ID:	Roads and Parking Lots
Superseded Permit Number:	01-7339
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
SHELLY MATERIALS INC - ST. LOUISVILLE
Permit Number: P0083757
Facility ID: 0145020367
Effective Date: 5/8/2014

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 of this permit 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 [DO/LAA] 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 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.



Final Permit-to-Install and Operate
SHELLY MATERIALS INC - ST. LOUISVILLE
Permit Number: P0083757
Facility ID: 0145020367
Effective Date: 5/8/2014

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.



Final Permit-to-Install and Operate
SHELLY MATERIALS INC - ST. LOUISVILLE
Permit Number: P0083757
Facility ID: 0145020367
Effective Date: 5/8/2014

C. Emissions Unit Terms and Conditions



1. F001, Plant #1

Operations, Property and/or Equipment Description:

Sand & Gravel Screening Plant #1

- 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)	Particulate emissions (PE) shall not exceed 1.54 tons per year (TPY). The requirements of this rule also include compliance with the requirements established pursuant to 40 CFR Part 60, Subpart OOO. See b)(2)a.
b.	OAC rule 3745-17-08(B)	This emissions unit is exempt from the requirements established under OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A)(1).
c.	OAC rule 3745-17-07(B)	This emissions unit is exempt from the visible emissions limitation established under OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-11(B)(11)(e).
d.	40 CFR Part 60, Subpart OOO	Visible emissions of fugitive dust



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		discharging from the screening operations shall not exceed 10% opacity.
e	40 CFR Part 60, Subpart A	See b)(2)b.

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures during all screening operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with the Best Available Technology (BAT) requirements shall be demonstrated by applying water at sufficient frequencies to maintain the material in moist condition. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. The permittee shall demonstrate compliance with the applicable provisions of 40 CFR Part 60, Subpart OOO in accordance with 40 CFR Part 60, Subpart A.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the total amount of aggregate processed by this emissions unit, in tons.
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the screening operations. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emissions incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that



no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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.
- (2) The following information shall be included in the annual PER:
 - a. Each daily check during which any visible particulate emissions were observed from the screening operations; and
 - b. Any corrective actions taken to minimize or eliminate the visible particulate emissions.

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. Emissions limitation:
PE shall not exceed 1.54 TPY.
Applicable Compliance Method:
Compliance with the annual PE limitation may be demonstrated by multiplying the actual annual aggregate processed by this emissions unit, as a sum of the records required in d)(1), by the emissions factor of 0.0022 lb PE/ton of aggregate processed from USEPA AP-42 Chapter 11.19.2, Table 11.19.2-2 (8/04).
 - b. Emissions limitation:
Visible emissions of fugitive dust discharging from the screening operations shall not exceed 10% opacity.
Applicable Compliance Method:
Compliance with the visible emissions limitation shall be determined in accordance with the performance testing requirements established in f)(2) below.



- (2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 3 months after issuance of the permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the visible emissions limitations established pursuant to 40 CFR Part 60, Subpart OOO.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

40 CFR, Part 60, Appendix A, Method9

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
 - e. Not later than 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).
 - f. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
 - g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.



Final Permit-to-Install and Operate
SHELLY MATERIALS INC - ST. LOUISVILLE
Permit Number: P0083757
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Effective Date: 5/8/2014

g) Miscellaneous Requirements

(1) None.



2. F002, Plant #2

Operations, Property and/or Equipment Description:

Sand & Gravel Crushing and Screening Plant #2

- 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)	Particulate emissions (PE) shall not exceed 1.47 tons per year (TPY). The requirements of this rule also include compliance with the requirements established pursuant to 40 CFR Part 60, Subpart OOO. See b)(2)a.
b.	OAC rule 3745-17-08(B)	This emissions unit is exempt from the requirements established under OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A)(1).
c.	OAC rule 3745-17-07(B)	This emissions unit is exempt from the visible emissions limitation established under OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-11(B)(11)(e).
d.	40 CFR Part 60, Subpart OOO	Visible emissions of fugitive dust



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		discharging from the crushing operations shall not exceed 15% opacity. Visible emissions of fugitive dust discharging from the screening operations shall not exceed 10% opacity.
e	40 CFR Part 60, Subpart A	See b)(2)b.

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures during all crushing and screening operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with the Best Available Technology (BAT) requirements shall be demonstrated by applying water at sufficient frequencies to maintain the material in moist condition. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. The permittee shall demonstrate compliance with the applicable provisions of 40 CFR Part 60, Subpart OOO in accordance with 40 CFR Part 60, Subpart A.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the total amount of aggregate processed by this emissions unit, in tons.
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the crushing and screening operations. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emissions incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.



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

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.
- (2) The following information shall be included in the annual PER:
 - a. Each daily check during which any visible particulate emissions were observed from the crushing and screening operations; and
 - b. Any corrective actions taken to minimize or eliminate the visible particulate emissions.

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. Emissions limitation:

PE shall not exceed 1.47 TPY.

Applicable Compliance Method:

Compliance with the annual PE limitation may be demonstrated by multiplying the actual annual aggregate processed by this emissions unit, as a sum of the records required in d)(1), by the following emissions factor from USEPA AP-42 Chapter 11.19.2, Table 11.19.2-2 (8/04):

0.0012 lb PE/ton of aggregate processed for PE from crushing; and
0.0022 lb PE/ton of aggregate processed for PE from screening.
 - b. Emissions limitations:

Visible emissions of fugitive dust discharging from the crushing operations shall not exceed 15% opacity.



Visible emissions of fugitive dust discharging from the screening operations shall not exceed 10% opacity.

Applicable Compliance Method:

Compliance with the visible emissions limitations shall be determined in accordance with the performance testing requirements established in f)(2) below.

- (2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 3 months after issuance of the permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the visible emissions limitations established pursuant to 40 CFR Part 60, Subpart OOO.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

40 CFR, Part 60, Appendix A, Method9

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
 - e. Not later than 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).
 - f. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit



and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

- g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

g) Miscellaneous Requirements

- (1) None.



3. F003, Plant #3

Operations, Property and/or Equipment Description:

Sand & Gravel Crushing and Screening Plant #3

- 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)	Particulate emissions (PE) shall not exceed 1.55 tons per year (TPY). The requirements of this rule also include compliance with the requirements established pursuant to 40 CFR Part 60, Subpart OOO. See b)(2)a.
b.	OAC rule 3745-17-08(B)	This emissions unit is exempt from the requirements established under OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A)(1).
c.	OAC rule 3745-17-07(B)	This emissions unit is exempt from the visible emissions limitation established under OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-11(B)(11)(e).
d.	40 CFR Part 60, Subpart OOO	Visible emissions of fugitive dust



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		discharging from the crushing operations shall not exceed 15% opacity. Visible emissions of fugitive dust discharging from the screening operations shall not exceed 10% opacity.
e	40 CFR Part 60, Subpart A	See b)(2)b.

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures during all crushing and screening operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with the Best Available Technology (BAT) requirements shall be demonstrated by applying water at sufficient frequencies to maintain the material in moist condition. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. The permittee shall demonstrate compliance with the applicable provisions of 40 CFR Part 60, Subpart OOO in accordance with 40 CFR Part 60, Subpart A.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the total amount of aggregate processed by this emissions unit, in tons.
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the crushing and screening operations. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emissions incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.



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

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.
- (2) The following information shall be included in the annual PER:
 - a. Each daily check during which any visible particulate emissions were observed from the crushing and screening operations; and
 - b. Any corrective actions taken to minimize or eliminate the visible particulate emissions.

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. Emissions limitation:

PE shall not exceed 1.55 TPY.

Applicable Compliance Method:

Compliance with the annual PE limitation may be demonstrated by multiplying the actual annual aggregate processed by this emissions unit, as a sum of the records required in d)(1), by the following emissions factor from USEPA AP-42 Chapter 11.19.2, Table 11.19.2-2 (8/04):

0.0012 lb PE/ton of aggregate processed for PE from crushing; and
0.0022 lb PE/ton of aggregate processed for PE from screening.
 - b. Emissions limitations:

Visible emissions of fugitive dust discharging from the crushing operations shall not exceed 15% opacity.



Visible emissions of fugitive dust discharging from the screening operations shall not exceed 10% opacity.

Applicable Compliance Method:

Compliance with the visible emissions limitations shall be determined in accordance with the performance testing requirements established in f)(2) below.

- (2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 3 months after issuance of the permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the visible emissions limitations established pursuant to 40 CFR Part 60, Subpart OOO.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

40 CFR, Part 60, Appendix A, Method9

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
 - e. Not later than 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).
 - f. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit



and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

- g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

g) Miscellaneous Requirements

- (1) None.



4. F004, Plant #4

Operations, Property and/or Equipment Description:

Sand & Gravel Crushing Plant #4

- 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)	Particulate emissions (PE) shall not exceed 0.10 tons per year (TPY). The requirements of this rule also include compliance with the requirements established pursuant to 40 CFR Part 60, Subpart OOO. See b)(2)a.
b.	OAC rule 3745-17-08(B)	This emissions unit is exempt from the requirements established under OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A)(1).
c.	OAC rule 3745-17-07(B)	This emissions unit is exempt from the visible emissions limitation established under OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-11(B)(11)(e).
d.	40 CFR Part 60, Subpart OOO	Visible emissions of fugitive dust



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		discharging from the crushing operations shall not exceed 15% opacity.
e	40 CFR Part 60, Subpart A	See b)(2)b.

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures during all crushing operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with the Best Available Technology (BAT) requirements shall be demonstrated by applying water at sufficient frequencies to maintain the material in moist condition. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. The permittee shall demonstrate compliance with the applicable provisions of 40 CFR Part 60, Subpart OOO in accordance with 40 CFR Part 60, Subpart A.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the total amount of aggregate processed by this emissions unit, in tons.
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the crushing operations. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emissions incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that



no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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.
- (2) The following information shall be included in the annual PER:
 - a. Each daily check during which any visible particulate emissions were observed from the crushing operations; and
 - b. Any corrective actions taken to minimize or eliminate the visible particulate emissions.

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. Emissions limitation:
PE shall not exceed 0.10 TPY.
Applicable Compliance Method:
Compliance with the annual PE limitation may be demonstrated by multiplying the actual annual aggregate processed by this emissions unit, as a sum of the records required in d)(1), by the emissions factor of 0.0012 lb PE/ton of aggregate processed from USEPA AP-42 Chapter 11.19.2, Table 11.19.2-2 (8/04).
 - b. Emissions limitation:
Visible emissions of fugitive dust discharging from the crushing operations shall not exceed 15% opacity.
Applicable Compliance Method:
Compliance with the visible emissions limitation shall be determined in accordance with the performance testing requirements established in f)(2) below.



- (2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 3 months after issuance of the permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the visible emissions limitations established pursuant to 40 CFR Part 60, Subpart OOO.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

40 CFR, Part 60, Appendix A, Method9

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
 - e. Not later than 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).
 - f. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
 - g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.



Final Permit-to-Install and Operate
SHELLY MATERIALS INC - ST. LOUISVILLE
Permit Number: P0083757
Facility ID: 0145020367
Effective Date: 5/8/2014

g) Miscellaneous Requirements

- (1) None.



5. F005, Material Handling

Operations, Property and/or Equipment Description:

Material handling including 41 transfer points, loading, and unloading operations

- 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)	Particulate emissions (PE) shall not exceed 3.02 tons per year (TPY). The requirements of this rule also include compliance with the requirements established pursuant to 40 CFR Part 60, Subpart OOO. See b)(2)a.
b.	OAC rule 3745-17-08(B)	This emissions unit is exempt from the requirements established under OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A)(1).
c.	OAC rule 3745-17-07(B)	This emissions unit is exempt from the visible emissions limitation established under OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-11(B)(11)(e).
d.	40 CFR Part 60, Subpart OOO	Visible emissions of fugitive dust



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		discharging from the conveyors and transfer points shall not exceed 10% opacity.
e	40 CFR Part 60, Subpart A	See b)(2)b.

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures during all conveying and transferring operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with the Best Available Technology (BAT) requirements shall be demonstrated by applying water at sufficient frequencies to maintain the material in moist condition. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. The permittee shall demonstrate compliance with the applicable provisions of 40 CFR Part 60, Subpart OOO in accordance with 40 CFR Part 60, Subpart A.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the total amount of aggregate processed by this emissions unit, in tons.
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the conveying and transferring operations. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emissions incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the



observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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.
- (2) The following information shall be included in the annual PER:
 - a. Each daily check during which any visible particulate emissions were observed from the conveying and transferring operations; and
 - b. Any corrective actions taken to minimize or eliminate the visible particulate emissions.

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. Emissions limitation:

PE shall not exceed 3.02 TPY.

Applicable Compliance Method:

Compliance with the annual PE limitation may be demonstrated by multiplying the actual annual aggregate processed by this emissions unit, as a sum of the records required in d)(1), by the following emissions factors:

0.00014 lb PE/ton* of aggregate processed for PE from transfer points (each of 41 points);

0.000125 lb PE/ton of aggregate processed for PE from unloading operations; and

0.000783 lb PE/ton of aggregate processed for PE from loading operations

*Emissions factor from USEPA AP-42 Chapter 11.19.2, Table 11.19.2-2 (8/04)
 - b. Emissions limitation:

Visible emissions of fugitive dust discharging from the conveying and transferring operations shall not exceed 10% opacity.



Applicable Compliance Method:

Compliance with the visible emissions limitation shall be determined in accordance with the performance testing requirements established in f)(2) below.

- (2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 3 months after issuance of the permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the visible emissions limitations established pursuant to 40 CFR Part 60, Subpart OOO.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

40 CFR, Part 60, Appendix A, Method9

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
 - e. Not later than 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).
 - f. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.



- g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

g) Miscellaneous Requirements

- (1) None.



6. F006, Storage Piles

Operations, Property and/or Equipment Description:

Storage piles

- 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)	Particulate emissions (PE) shall not exceed 3.29 tons per year (TPY). No visible emissions from storage piles except for a period of three-minutes during any sixty-minute observation period. See b)(2)a.
b.	OAC rule 3745-17-08(B)	This emissions unit is exempt from the requirements established under OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A)(1).
c.	OAC rule 3745-17-07(B)	This emissions unit is exempt from the visible emissions limitation established under OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-11(B)(11)(e).



(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures for all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with the Best Available Technology (BAT) requirements shall be demonstrated by employing the work practices listed below. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

i. All storage piles shall contain sufficient moisture so as to minimize or eliminate visible emissions caused by wind erosion; and

ii. During the unloading onto or removal from the storage piles, the drop height of the front-end loader shall be minimized in order to minimize or eliminate visible emissions of fugitive dust.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records of the total amount of aggregate processed by this emissions unit, in tons.

In order to demonstrate compliance with the annual PE limitation in accordance with f)(1)a., it may be necessary to keep separate records for sand storage and for gravel storage for this emissions unit.

(2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the storage piles. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emissions incident; and

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit).



With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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.
- (2) The following information shall be included in the annual PER:
 - a. Each daily check during which any visible particulate emissions were observed from the storage piles; and
 - b. Any corrective actions taken to minimize or eliminate the visible particulate emissions.

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. Emissions limitation:

PE shall not exceed 3.29 TPY.

Applicable Compliance Method:

Compliance with the annual PE limitation may be demonstrated by multiplying the actual annual aggregate processed by this emissions unit, as a sum of the records required in d)(1), by the following emissions factors:

- 0.000783 lb PE/ton of aggregate processed for PE from gravel load-in;
- 0.000783 lb PE/ton of aggregate processed for PE from gravel load-out;
- 0.000209 lb PE/ton of aggregate processed for PE from sand load-in; and
- 0.000209 lb PE/ton of aggregate processed for PE from sand load-out.

Additionally, the annual PE from load-in and load-out operations shall be added to the annual PE from wind erosion calculated using the following equation:

PE from wind erosion = $(3,796 \text{ lb/acre} * 14 \text{ piles} * 0.06 \text{ acre/pile})/2,000 = 1.59$ tons PE per year



b. Emissions limitation:

No visible emissions from storage piles except for a period of three-minutes during any sixty-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

(1) None.



7. F007, Roads and Parking Lots

Operations, Property and/or Equipment Description:

Paved and unpaved roadways and parking areas

- 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)	Particulate emissions (PE) shall not exceed 9.73 tons per year (TPY). No visible emissions from paved roadways and parking areas except for a period of one minute during any sixty-minute observation period. No visible emissions from unpaved roadways and parking areas except for a period of three-minutes during any sixty-minute observation period. See b)(2)a.
b.	OAC rule 3745-17-08(B)	This emissions unit is exempt from the requirements established under OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A)(1).
c.	OAC rule 3745-17-07(B)	This emissions unit is exempt from the



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		visible emissions limitation established under OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-11(B)(11)(e).

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures during all conveying and transferring operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with the Best Available Technology (BAT) requirements shall be demonstrated by employing the work practices listed below. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
 - i. The permittee shall sweep the paved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. The paved surfaces shall be swept, at a minimum, when visible emissions can be seen. The permittee shall not be required to sweep during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust;
 - ii. The permittee shall apply dust suppressants to the unpaved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. The dust suppressant shall be applied to the unpaved surfaces, at a minimum, when visible emissions can be seen. The permittee shall not be required to apply dust suppressants during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust;
 - iii. Any material carried off of the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to minimize or prevent re-suspension;
 - iv. A maximum speed limit of 15 miles per hour shall be posted and enforced on the property; and
 - v. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

c) Operational Restrictions

- (1) None.



d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, the permittee shall perform daily inspections of all roadways and parking areas.

The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

- (2) The permittee shall maintain records of the following information:

- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
- b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s); and
- c. the dates when excess visible fugitive particulate emissions were observed and control measure(s) was (were) implemented.

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.

- (2) The following information shall be included in the annual PER:

- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
- b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

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. Emissions limitation:

PE shall not exceed 9.73 TPY.



Applicable Compliance Method:

The annual PE limitation was determined using the calculations identified in USEPA AP-42 Chapters 13.2.1 and 13.2.2 and the information in the following table:

<u>Truck Type</u>	<u>Emissions factor (pounds per vehicle mile traveled (VMT))</u>	<u>Annual VMT</u>	<u>Emissions (pounds)</u>	<u>Emissions (tons)</u>
Heavy truck – 14 wheeler	0.213	12,552	2,673.58	1.34
Heavy Truck – 18 wheeler	0.253	36,149	9,145.70	4.57
Pick-up/Service Truck	0.030	5,463	163.89	0.08
Off Road Truck	0.338	18,934	6399.69	3.20
Articulated Truck	0.431	865	372.82	0.19
Front-End Loader	0.062	11,008	682.50	0.34
Total:				9.73

b. Emissions limitations:

No visible emissions from paved roadways and parking areas except for a period of one minute during any sixty-minute observation period.

No visible emissions from unpaved roadways and parking areas except for a period of three-minutes during any sixty-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New



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Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

- g) Miscellaneous Requirements
 - (1) None.