



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

12/7/2015

Certified Mail

Mr. Claude Imler
Sergeant Stone, Inc.
c/o Linn Engineering
POB 2086
Zanesville, OH 43702

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	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: 0664005031
Permit Number: P0118247
Permit Type: Initial Installation
County: Perry

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, Southeast District Office at (740)385-8501 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael E. Hopkins, P.E.
Assistant Chief, Permitting Section, DAPC

Cc: Ohio EPA-SEDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Sergeant Stone, Inc.**

Facility ID:	0664005031
Permit Number:	P0118247
Permit Type:	Initial Installation
Issued:	12/7/2015
Effective:	12/7/2015
Expiration:	1/26/2025



**Division of Air Pollution Control
Permit-to-Install and Operate**

for
Sergeant Stone, Inc.

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Final Permit-to-Install and Operate
Sergeant Stone, Inc.
Permit Number: P0118247
Facility ID: 0664005031
Effective Date: 12/7/2015

Authorization

Facility ID: 0664005031
Application Number(s): A0052213
Permit Number: P0118247
Permit Description: PTIO for a portable aggregate processing plant with aggregate processing/material handling and an attached diesel engine
Permit Type: Initial Installation
Permit Fee: \$2,500.00
Issue Date: 12/7/2015
Effective Date: 12/7/2015
Expiration Date: 1/26/2025
Permit Evaluation Report (PER) Annual Date: Oct 1 - Sept 30, Due Nov 15

This document constitutes issuance to:

Sergeant Stone, Inc.
1268 State Route 555 NE
Corning, OH 43730-9782

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, Southeast District Office
2195 Front Street
Logan, OH 43138
(740)385-8501

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Craig W. Butler
Director



Final Permit-to-Install and Operate
Sergeant Stone, Inc.
Permit Number: P0118247
Facility ID: 0664005031
Effective Date: 12/7/2015

Authorization (continued)

Permit Number: P0118247

Permit Description: PTIO for a portable aggregate processing plant with aggregate processing/material handling and an attached diesel engine

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

Emissions Unit ID:	P901
Company Equipment ID:	3113 and 3114
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
Sergeant Stone, Inc.
Permit Number: P0118247
Facility ID: 0664005031
Effective Date: 12/7/2015

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
Sergeant Stone, Inc.
Permit Number: P0118247
Facility ID: 0664005031
Effective Date: 12/7/2015

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 following emissions unit contained in this permit is subject to 40 CFR Part 60, Subparts IIII and OOO: P901. The complete NSPS requirements may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the appropriate Ohio EPA District Office or local air agency.
3. The Ohio EPA has determined that this facility may be subject to the requirements of the area source MACT/GACT rule (40 CFR Part 63, Subpart ZZZZ) that the Ohio EPA does not have the delegated authority to implement. Although Ohio EPA has determined that an area source MACT (also known as the GACT) may apply, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised that all requirements associated with these rules are in effect and are enforceable by U.S. EPA. For more information on the area source rules, please refer to the following U.S. EPA website: <http://www.epa.gov/ttn/atw/area/arearules.html>.



Final Permit-to-Install and Operate
Sergeant Stone, Inc.
Permit Number: P0118247
Facility ID: 0664005031
Effective Date: 12/7/2015

C. Emissions Unit Terms and Conditions

1. P901, Portable Aggregate Processing with Diesel Engine

Operations, Property and/or Equipment Description:

250 ton/hour portable aggregate processing plant (Eagle 1200-25CC) consisting of 1 hopper load-in, 1 crusher, 1 screener, and 5 conveyor transfer points, powered by an attached John Deere (Model 6135HF485) 4-stroke diesel RICE rated at 430 HP, 321 KW, with a 13.5L displacement with a maximum annual throughput of 2,190,000 tons per year.

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

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

a. b)(1)g. and g)(1).

(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
250 ton/hour portable aggregate processing plant		
a.	ORC 3704.03(T) and OAC rule 3745-31-05(A)(3)	Develop and implement a site-specific work practice plan designed as described in d)(1)-(4) below to minimize or eliminate fugitive particulate emissions (PE) from the aggregate processing operations.
b.	OAC rule 3745-17-07(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Visible PE from any fugitive dust source shall not exceed twenty percent opacity as a three-minute average. See b)(2)c. below.
c.	OAC rule 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The permittee shall employ reasonably available control measures to minimize or eliminate fugitive PE. See b)(2)d. below

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
d.	<p>40 CFR Part 60, Subpart OOO (40 CFR 60.670-60.676)</p> <p>[In accordance with 40 CFR 60.670(a) and Table 3, this emissions unit is a portable nonmetallic mineral processing plant consisting of crushing, screening, and belt conveyors, that commenced construction, modification or reconstruction on or after April 22, 2008, subject to the emission limitations and requirements specified in this section.]</p>	<p>Fugitive emissions shall not exceed 7 percent opacity, as a 6-minute average, from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 60.670 and 60.671). [40 CFR 60.672(b) and Table 3]</p> <p>Fugitive emissions shall not exceed 12 percent opacity, as a 6-minute average, from crushers where a capture system is not employed. [40 CFR 60.672(b) and Table 3]</p> <p>See b)(2)(f) below.</p>
e.	<p>40 CFR 60.1-19 (40 CFR 60.670(f) and Table 1)</p>	<p>Table 1 to Subpart OOO of 40 CFR Part 60 – Applicability of Subpart A to Subpart OOO shows which parts of the General Provisions in 40 CFR 60.1-19 do not apply.</p>
430 Hp John Deere Engine		
f.	<p>OAC rule 3745-31-05(A)(3), as effective June 30, 2008</p>	<p>Install an engine that is designed to meet 3.4 g/kW-hr for non-methane hydrocarbons (NMHC) + nitrogen oxides (NO_x) emissions.</p> <p>Install an engine that is designed to meet 0.6 g/kW-hr for carbon monoxide (CO) emissions.</p> <p>Install an engine that is designed to meet 0.10 g/kW-hr for PE.</p> <p>Sulfur dioxide (SO₂) emissions shall not exceed 0.33 ton per month, as a 12-month rolling average.</p> <p>See b)(2)a. below.</p>
g.	<p>OAC rule 3745-31-05(A)(3)(a)(ii), as effective June 30, 2008</p>	<p>The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the NO_x, VOC, SO₂, PE and CO emissions from the engine since the potential to emit is less than 10 tons/year. See b)(2)b. below.</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
h.	OAC rule 3745-17-07(A)(1)	Visible PE from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
i.	OAC rule 3745-17-11(B)(5)(a)	PE from the stack shall not exceed 0.31 lb/MMBtu of actual heat input.
j.	OAC rule 3745-18-06(G)	Exempt pursuant to OAC rule 3745-18-06(B).
k.	40 CFR Part 60, Subpart IIII (40 CFR 60.4200-4219) [In accordance with 60.4200(a)(2)(i), 40 CFR 60.4204(b), and 60.4201(a), this emissions unit is a non-emergency stationary CI internal combustion engine that commenced construction after July 11, 2005, was manufactured after 4/1/06 and is not a fire pump engine; and has a maximum engine power less than or equal to 3,000 HP and a displacement of less than 10 liters per cylinder subject to the emissions limitations/control measures specified in this section.]	Emissions shall not exceed the following: 4.0 g/kW-hr for NMHC+NOx emissions; 3.5 g/kW-hr for CO emissions; and, 0.20 g/kW-hr for PE. [40 CFR 89.112 and Table 1] The manufacturer of this engine participates in the Transition Program for Equipment Manufacturers (TPEM, also known as the flexibility program) allowed in 40 CFR 1039.625 which requires compliance with 40 CFR 89.112 (Tier 3 Standards) in lieu of the standards in 1039.102 required per 40 CFR 60.4204(b) and 60.4201(a). These emissions limitations are less stringent than the emissions limitations listed in OAC rule 3745-31-05(A)(3) until U.S. EPA approves the <10 TPY exemption in Ohio's SIP. See b)(2)g. below.
l.	40 CFR 60.1-19 (40 CFR 60.4218 and Table 8)	Table 8 to Subpart IIII of 40 CFR Part 60 – Applicability of General Provisions to Subpart IIII shows which parts of the General Provisions in 40 CFR 60.1-19 apply.

(2) Additional Terms and Conditions

- a. This Best Available Technology (BAT) emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP).



- b. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.
- c. The visible emission limitations from 40 CFR Part 60 Subpart OOO have been determined to be equivalent to or more stringent than the visible emission limitation established pursuant to OAC rule 3745-17-07(B). The activity of truck unloading to a feeder is not regulated under 40 CFR Part 60 Subpart OOO, thus the visible particulate emission limitations of 20% opacity as a 3-minute average under OAC rule 3745-07(B)(1) applies to that operation only when located within the areas identified in "Appendix A" of OAC rule 3745-17-08.
- d. The requirements of OAC rule 3745-17-08 to employ reasonably available control measures is satisfied by the work practice plan required in b)(1)a. above.
- e. In accordance with 40 CFR, Part 60 Subpart OOO, the following pieces of equipment are affected facilities constructed, modified, or reconstructed on or after April 22, 2008 as defined in 40 CFR 60.670. The operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

 250 TPH Eagle 1200-25CC primary crusher (1)
 250 TPH Eagle 1200-25CC screen (1)
 Eagle conveyors (4)
 Load-in hopper (1)
 Conveyor transfer points (5)
- f. The permittee shall comply with all additional terms and conditions under 40 CFR Part 60, Subpart OOO, including the following sections:

60.670(d)(1)	When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in 60.671, having the same function as the existing facility, and there is no increase in the amount of emissions, the new facility is exempt from the provisions of 60.672, 60.674, and 60.675 except as provided in 60.6709d)(3).
60.670(d)(3)	An owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in 60.670(d)(1) and must comply with all provisions of 60.672, 60.674, and 60.675.
60.672(d)	Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section.

- g. Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in 60.4204 and 60.4205 over the entire life of the engine.

c) Operational Restrictions

- (1) The permittee shall only burn low sulfur No. 2 or diesel fuel, containing less than 0.5% sulfur by weight, in this emissions unit.
- (2) The permittee shall comply with all operational restrictions under 40 CFR Part 60, Subpart IIII, including the following sections:

60.4207(b)	Use only diesel fuel that meets the requirements of 40 CFR 80.510(b) for non-road diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.
60.4209(b)	If the stationary CI ICE is equipped with a diesel particulate filter to comply with the emission standards in 60.4204, the diesel particulate filter must be installed with a back pressure monitor that notifies the owner/operator when the high backpressure limit of the engine is approached.
60.4211(a)(1)	Operate and maintain the stationary CI ICE and control device according to the manufacturer's emission-related written instructions
60.4211(a)(2)	Change only those emission-related settings that are permitted by the manufacturer
60.4211(a)(3)	Meet the requirements of 40 CFR parts 89, 94, and/or 1068, as they apply to you
60.4211(c)	Purchase an engine certified to the emission standards in 60.4204, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 60.4211(g).

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall develop and implement a site-specific work practice plan designed to minimize or eliminate fugitive dust from the permittee's aggregate processing plant. This work practice plan shall include, at a minimum, the following elements:
 - a. An identification of each crusher, screener, conveyor, transfer points, and load-in hopper for which the plan applies.

- b. A determination of the frequency that each above-referenced operation will be inspected to determine if additional control measures are needed.
- c. The identification of the record keeping form/record that will be used to track the inspection and treatment of the aggregate operations. This form/record should include, at a minimum, the following elements:
 - i. Each crusher, screener, conveyor, transfer point, and load-in hopper inspected;
 - ii. Date inspected;
 - iii. Name of employee doing the inspection;
 - iv. Result of the inspection (needs treated or does not need treated);
 - v. A description of why no treatment was needed;
 - vi. Date treated;
 - vii. Name of employee treating the crusher, screener, conveyor, transfer point, and load-in hopper; and
 - viii. Method used to treat each crusher, screener, conveyor, transfer point, and load-in hopper.
- d. A description of how and where the records shall be maintained.

The permittee shall begin using the Work Practice Plan within 30 days from the date Ohio EPA approved the initial plan. As needs warrant, the permittee can modify the Work Practice Plan. The permittee cannot begin using any modified Work Practice Plan until such time as the Southeast District Office approves the revised plan.

- (2) Except as otherwise provided in this section, the permittee shall perform inspections of each crusher, screener, conveyor, transfer point, and load-in hopper at frequencies described in the Work Practice Plan. The purpose of the inspections is to determine the need for implementing control measures. The inspections shall be performed during representative, normal conditions.
- (3) The permittee shall maintain records of the following information:
 - a. The records required to be collected under the Work Practice Plan, and
 - b. The date and reason any element of the Work Practice Plan was not implemented.
- (4) For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

- (5) The permittee shall comply with all monitoring and recordkeeping requirements under 40 CFR Part 60, Subpart OOO, including the following sections:

60.674(b)	Perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. Initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and corrective actions taken, in the logbook required under 60.676(b).
60.674(b)(1)(i) and (ii)	If relying on water carry over from upstream water sprays to control fugitive emissions, conduct periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility in accordance to 60.676(b). Designate which upstream water spray(s) will be periodically inspected at the time of the initial performance test required under 60.11 and 60.675.
60.674(b)(2)	If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection, the logbook entry required under 60.676(b) must specify the control mechanism being used.
60.674(b) and 60.676(b)(1)	Record each periodic inspection required under 60.674(b), including dates and any corrective actions taken, in a logbook (written or electronic format). Keep the logbook onsite and make the logbook available to the Administrator upon request.

- (6) The permittee shall comply with all monitoring and recordkeeping requirements under 40 CFR Part 60, Subpart IIII, including the following sections:

60.4211(g)	If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance by: keeping a maintenance plan and records of conducted maintenance and, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.
60.4214(c)	If the stationary CI ICE is equipped with a diesel particulate filter, the owner/operator must keep records of any corrective action taken after the backpressure monitor has notified the

	owner/operator that the high backpressure limit of the engine has approached.
1039.625(f)	Add a permanent label, written legibly in English, to the engine or another readily visible part of each piece of equipment produced with exempted engines under this section, 40 CFR 1039.625(f)(1) through (5).

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (2) 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.
- (3) Within 30 days from the final issuance of this permit, the permittee shall submit a proposed Work Practice Plan to the Southeast District Office.
- (4) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than low sulfur No. 2 or diesel fuel was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- (5) The permittee shall comply with all reporting requirements under 40 CFR Part 60, Subparts A and OOO, including the following sections:

60.670(d)(2) and 60.676(a)	An owner or operator complying with 60.670(d)(1) shall submit the information required in 60.676(a). Each owner or operator seeking to comply with 60.670(d) shall submit to the administrator the following information about the existing facility being replaced and the replacement piece of equipment:
60.676(a)(1)	For a crusher, grinding mill, bucket elevator, bagging operations or enclosed truck or railcar loading station: (i) The rated capacity in tons per hour of the existing facility being replaced and (ii) The rated capacity in tons per hour of the replacement equipment.
60.676(a)(2)	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.
60.676(a)(3)	For a belt conveyor: (i) The width of the existing conveyor belt being replaced and (ii) The width of the replacement conveyor belt.
60.676(a)(4)	For a storage bin: (i) The rated capacity in tons of the existing storage bin being replaced and (ii) The rated capacity in tons of replacement storage bin.
60.676(f)	Submit written reports of the results of all performance test conducted to demonstrate compliance with the standards set forth in 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 60.672(b).
60.676(g)	Submit a report within 30 days of change from any wet processing operation that processes saturated and subsequently processes unsaturated material, and the screening operations, bucket elevators, and belt conveyors shall become subject to the opacity standard in 40 CFR 60.672(b) and subsequent opacity testing.
60.676(h)	The subpart A requirement under 60.7(a)(1) for notification of the date of construction or reconstruction commenced is waived for affected facilities under this subpart.
60.7 and 60.676(i)	The notification of the actual date of startup of each affected facility shall be submitted to the Administrator.
60.7(a)(1)	(1) A notification of the date construction (or reconstruction as defined under §60.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.
60.7(a)(3), (4) and (6)	Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows: A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date. A notification of any physical or operational change to an existing facility which may increase the emission rate of any air



	<p>pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in §60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.</p> <p>A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.</p>
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f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Visible PE from any fugitive dust source shall not exceed twenty percent opacity as a three-minute average.

Applicable Compliance Method:

If required, visible PE shall be determined according to USEPA Method 9.

b. Emission Limitations:

Fugitive emissions shall not exceed 7 percent opacity, as a 6-minute average, from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 60.670 and 60.671).

Fugitive emissions shall not exceed 12 percent opacity, as a 6-minute average, from crushers where a capture system is not employed.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675. See testing requirements in f)(2) below.

c. Emission Limitations:

Install an engine that is designed to meet 3.4 g/kW-hr for NMHC+NO_x emissions.

Emissions shall not exceed 4.0 g/kW-hr for NMHC+NO_x.

Applicable Compliance Method:

Permittee will demonstrate compliance with these limits by purchasing an engine certified to meet these emissions standards. The engine must be installed and configured according to the manufacturer's emission-related specifications. See testing requirements in f)(3) below.

d. Emission Limitations:

Install an engine that is designed to meet 0.6 g/kW-hr for CO emissions.

Emissions shall not exceed 3.5 g/kW-hr for CO.

Applicable Compliance Method:

Permittee will demonstrate compliance with these limits by purchasing an engine certified to meet these emissions standards. The engine must be installed and configured according to the manufacturer's emission-related specifications. See testing requirements in f)(3) below.

e. Emission Limitations:

Install an engine that is designed to meet 0.10 g/kW-hr for PE.

Emissions shall not exceed 0.20 g/kW-hr for PE.

Applicable Compliance Method:

Permittee will demonstrate compliance with these limits by purchasing an engine certified to meet these emissions standards. The engine must be installed and configured according to the manufacturer's emission-related specifications. See testing requirements in f)(3) below.

f. Emission Limitation:

SO₂ emissions shall not exceed 0.33 ton per month, as a 12-month rolling average.

Applicable Compliance Method:

This emissions limitation was established using an emissions factor of 0.00205 lb SO₂/HP-hr (AP-42 Table 3.3-1 (10/96)) multiplied by a maximum horsepower of 430 HP-hr, multiplied by 8,760 hours per year of operation, divided by 2,000 lbs/ton and divided by 12 months/year.

g. Emission Limitation:

Visible PE from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined according to USEPA Method 9.

h. Emission Limitation:

PE from the stack shall not exceed 0.31 lb/MMbtu of actual heat input.

Applicable Compliance Method:

Compliance with the 0.31 lb/million Btu of actual heat input limit is demonstrated by compliance with the short term limit of 0.10 g/kW-hr in the manufacturer's specifications provided in the permittee's application. Compliance is demonstrated as follows:

$$0.1 \text{ g/kW-hr} * 0.002205 \text{ lb/g} = 0.00022 \text{ lb/kW-hr} * 321 \text{ kW} = 0.07 \text{ lb PE/hr}$$

$$16 \text{ gal/hr} * 138,500 \text{ btu/1 gal} = 2.22 \text{ mmBtu/hr}$$

$$0.07 \text{ lb PE/hr} * 1 \text{ hr} / 2.22 \text{ mmBtu} = 0.031 \text{ lb/mmBtu}$$

If required, PE shall be determined according to test Methods 1 - 5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources", and the procedures specified in OAC rule 3745 17 03(B)(10). Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

(2) The permittee shall conduct, or have conducted, emission testing pursuant to 40 CFR Part 60, Subpart OOO for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, by not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control.

b. A repeat performance test is required according to §60.11 of this part and §60.675 of this subpart within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in §60.674(b) and §60.676(b) are exempt from this 5-year repeat testing requirement.

- c. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for fugitive PE in accordance with the provisions of 40 CFR 60.8, 60.11 and 60.675.
 - d. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Method 9 of 40 CFR Part 60, Appendix A.
 - e. 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.
 - f. 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).
 - g. 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.
 - h. 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.
- (3) If the engine and control device are not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, then the permittee shall comply with all testing requirements under 40 CFR Part 60, Subpart IIII, including the following sections:
- a. In accordance with 60.4211(g)(2), permittee must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1

year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

- b. If the stationary internal combustion engine is rebuilt, or undergoes major repair or maintenance the permittee shall conduct subsequent performance test.
- c. Each performance test must be conducted within 10% of 100% peak (or the highest achievable) load and according to the requirements in 40 CFR 60.8 and under the specific conditions that are specified by Table 8 of 40 CFR Part 60, Subpart IIII.

g) **Miscellaneous Requirements**

- (1) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires a permittee to apply for and obtain a new or modified PTIO prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new PTIO.
- (2) At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) or permit to install and operate (PTIO) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(H).
- (3) Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(H), the following criteria must be met for all portable facilities seeking approval for relocation:
 - a. the portable source must possess an issued permit to install (PTI) or permit to install and operate (PTIO) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,
 - b. the portable source is operating pursuant to a currently effective PTI, PTIO and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).
- (4) In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:

- a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;
- b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and
- c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".

- (5) In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(H) (i.e. the 15-day option), the following additional criteria must be met:

- a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;
- b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);
- c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);
- d. a public notice, consistent with OAC Chapter 3745-47, has been published in the county where the proposed site(s) is/are located;
- e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-31-05(H) shall be valid for no longer than 3 years and are subject to renewal. Also, pursuant to OAC rule 3745-31-07(D)(2), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

- (6) Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.



Final Permit-to-Install and Operate

Sergeant Stone, Inc.

Permit Number: P0118247

Facility ID: 0664005031

Effective Date: 12/7/2015

- (7) When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (LLL) and (JJJ), the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC Chapter 3745-77, which may include the requirement to apply for a Title V permit.