



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

1/18/2013

PATRICK MONTGOMERY
MARTIN MARIETTA MATERIALS, INC.
9277 Centre Pointe Dr.
Suite 250
West Chester, OH 45069

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1483090424
Permit Number: P0112093
Permit Type: Renewal
County: Warren

Certified Mail

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

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/dapc/permitsurvey.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 Southwest Ohio Air Quality Agency at (513)946-7777 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: SWOQA



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
MARTIN MARIETTA MATERIALS, INC.**

Facility ID:	1483090424
Permit Number:	P0112093
Permit Type:	Renewal
Issued:	1/18/2013
Effective:	1/18/2013
Expiration:	1/18/2023



**Division of Air Pollution Control
Permit-to-Install and Operate
for
MARTIN MARIETTA MATERIALS, INC.**

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Authorization

Facility ID: 1483090424
Application Number(s): A0046241
Permit Number: P0112093
Permit Description: Administrative Modification for one (1) 300 TPH portable non-metallic mineral processing plant w/out a crusher and one (1) 1.62 MMBtu/hr stationary small diesel reciprocating internal combustion engine processed as a Renewal. Admin. Mod. to accommodate EF changes and production limit increase.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 1/18/2013
Effective Date: 1/18/2013
Expiration Date: 1/18/2023
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

MARTIN MARIETTA MATERIALS, INC.
4770 DUKE DRIVE
MASON, OH 45040

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

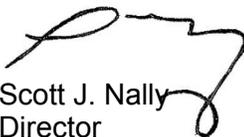
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Southwest Ohio Air Quality Agency
250 William Howard Taft Rd.
Cincinnati, OH 45219
(513)946-7777

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Scott J. Nally
Director



Final Permit-to-Install and Operate
MARTIN MARIETTA MATERIALS, INC.
Permit Number: P0112093
Facility ID: 1483090424
Effective Date: 1/18/2013

Authorization (continued)

Permit Number: P0112093

Permit Description: Administrative Modification for one (1) 300 TPH portable non-metallic mineral processing plant w/out a crusher and one (1) 1.62 MMBtu/hr stationary small diesel reciprocating internal combustion engine processed as a Renewal. Admin. Mod. to accomodate EF changes and production limit increase.

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:	300 TPH Portable Rip Rap Plant
Superseded Permit Number:	P0100797
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P001
Company Equipment ID:	1.62 MMBtu/hr diesel fired generator
Superseded Permit Number:	P0100796
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
MARTIN MARIETTA MATERIALS, INC.
Permit Number: P0112093
Facility ID: 1483090424
Effective Date: 1/18/2013

A. Standard Terms and Conditions



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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

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

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is



very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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



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

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Southwest Ohio Air Quality Agency in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting¹ a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

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

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

¹Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).



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

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

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



Final Permit-to-Install and Operate
MARTIN MARIETTA MATERIALS, INC.
Permit Number: P0112093
Facility ID: 1483090424
Effective Date: 1/18/2013

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
MARTIN MARIETTA MATERIALS, INC.
Permit Number: P0112093
Facility ID: 1483090424
Effective Date: 1/18/2013

C. Emissions Unit Terms and Conditions



1. F001, 300 TPH Portable Rip Rap Plant

Operations, Property and/or Equipment Description:

300 TPH 54 inch x 28 foot Deister Portable Vibrating Grizzly Feeder and 4 belt conveyors with water sprays

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 0.83 pound per hour and 1.10 tons per year (TPY). Emissions of particulate matter 10 microns and less in diameter (PM10) shall not exceed 0.28 pound per hour and 0.37 TPY. Visible emissions of fugitive dust from any screening operation shall not exceed ten percent (10%) opacity as a three-minute average. Visible emissions of fugitive dust from any transfer point on belt conveyors shall not exceed ten percent (10%) opacity as a three-minute average.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	40 CFR Part 60, Subpart OOO (40 CFR 60.670-676) [In accordance with 40 CFR 60.671 and 60.670(a)(2) this emission unit is currently a portable non-metallic mineral processing plant without an associated crusher or grinding mill above ground; the provisions of this rule do not apply until such time this portable plant is associated with a crusher or grinding mill above ground.]	See g)(3).
c.	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)	See b)(2)c.
d.	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)	See b)(2)d.

(2) Additional Terms and Conditions

- a. The permittee has committed to employ the following control measures for this emissions unit for purposes of ensuring compliance with the above-mentioned applicable requirements:

Material Handling Operation	Control Measures
loading and unloading	wet application, as necessary*
screening	wet application, as necessary*

* If at any time the moisture content of the material processed or handled is not sufficient to meet the above applicable requirements, the permittee shall employ a wet suppression control system to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.



- b. For each material handling operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to d)(2) in the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.
 - 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 limitations established pursuant to OAC rule 3745-17-07(B). It should be noted that the material handling/processing activity of truck unloading to a feeder is not regulated under 40 CFR Part 60 Subpart OOO and is applicable to the visible particulate emission limitations of 20% opacity as a 3-minute average under OAC rule 3745-07(B)(1) when located within the areas indentified 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 control measure requirements specified in b)(2)a.
 - e. The short-term emission limitations outlined in b)(1) are based upon the emission unit's Potential to Emit. Therefore, no hourly records are required to demonstrate compliance with these limits.
- c) Operational Restrictions
- (1) The maximum annual production rate of crushed stone for this emission unit shall not exceed 800,000 tons per year.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain monthly records of the amount of material processed through the primary feeder of this emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year.
 - (2) The permittee shall perform visible emission inspections of such operations during representative, normal operating conditions in accordance with the following minimum frequencies:

Aggregate Processing Operation	Minimum Inspection Frequency
each loading operation (truck dumping into a feeder, hopper, or crusher) when located within the areas indentified in "Appendix A" of OAC rule 3745-17-08.	once per day of operation
each plant conveyor & transfer point	once per day of operation



each screen	once per day of operation
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- (3) The permittee shall maintain daily records of the following information:
- a. the date and reason any required inspection in d)(2) was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s) outlined in the additional term and condition b)(2)a.;
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in d)(3)d. shall be kept separately for each aggregate processing operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.
- (2) The permittee shall identify the following information in the annual PER in accordance with the monitoring requirements in term numbers d)(1), (2) and (3) above:
 - a. the total mineral throughput (i.e. the amount of stone loaded into the primary feeder), in tons, for the previous calendar year.
 - b. each day during which an inspection was not performed by the required frequency; and
 - c. each instance when a control measure, that was to be performed 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. Emission Limitations:

Particulate emissions (PE) shall not exceed 0.83 pound per hour and 1.10 tons per year (TPY).

Applicable Compliance Method:

Compliance with the PE emission limitations shall be demonstrated by multiplying the actual material production rates, in tons per hour and tons per year, by the Emission Factors (EF) in Table 11.19.2-2, Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1, 8/2004. The calculation using tons per year of actual material production shall then be divided by 2000 to obtain TPY PE.

The applicable emission limitations were established based on information provided by the permittee in application A0046241 for FEPTIO P0112093 including a maximum of 800,000 tons of material produced per year:

300 tons/hour, vibrating grizzly x 0.0022 pound PE/ton = 0.66 pound PE/hour

300 tons/hour, belt conveyors x 0.00014 pound PE/ton x 4 conveyors = 0.17 pound PE/hour

800,000 tons/year, vibrating grizzly x 0.0022 pound PE/ton x 1 Ton/2000 pounds = 0.88 TPY PE

800,000 tons/year, belt conveyors x 0.00014 pound PE/ton x 4 conveyors x 1 Ton/2000 pounds = 0.22 TPY PE

0.66 pound PE/hr + 0.17 pound PE/hr = 0.83 pound PE/hr, F001

0.88 TPY PE + 0.22 TPY PE = 1.10 TPY PE, F001

b. Emission Limitations:

Particulate emissions (PE) shall not exceed 0.83 pound per hour and 1.10 tons per year (TPY).

Applicable Compliance Method:

Emissions of particulate matter 10 microns and less in diameter (PM10) shall not exceed 0.28 pound per hour and 0.37 TPY.

Compliance with the PM10 emission limitations shall be demonstrated by multiplying the actual material production rates, in tons per hour and tons per year, by the Emission Factors (EF) in Table 11.19.2-2, Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1, 8/2004. The calculation using tons per year of actual material production shall then be divided by 2000 to obtain TPY PE.



The applicable emission limitations were established based on information provided by the permittee in application A0046241 for FEPTIO P0112093 including a maximum of 800,000 tons of material produced per year:

300 tons/hour, vibrating grizzly x 0.00074 pound PM10/ton = 0.22 pound PM10/hour

300 tons/hour, belt conveyors x 4.6EE-5 pound PM10/ton x 4 conveyors = 0.06 pound PM10/hour

800,000 tons/year, vibrating grizzly x 0.00074 pound PM10/ton x 1 Ton/2000 pounds = 0.30 TPY PM10

800,000 tons/year, belt conveyors x 4.6EE-5 pound PM10/ton x 4 conveyors x 1 Ton/2000 pounds = 0.07 TPY PM10

0.22 pound PM10/hr + 0.06 pound PM10/hr = 0.28 pound PM10/hr, F001

0.30 TPY PM10 + 0.07 TPY PM10 = 0.37 TPY PM10, F001

c. Emission Limitations:

Visible emissions of fugitive dust from any screening operation shall not exceed ten percent (10%) opacity as a three-minute average.

Visible emissions of fugitive dust from any transfer point on belt conveyors shall not exceed ten percent (10%) opacity as a three-minute average.

Applicable Compliance Method:

If required, compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

g) Miscellaneous Requirements

(1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):

- a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
- b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;



- c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
- d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
- e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

- (2) 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, the permittee shall submit an application and obtain a PTIO or PTI (as applicable) for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. 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.

- (3) In the event this portable non-metallic mineral processing plant is associated with a crusher or grinding mill above ground, the following source is subject to the applicable provision of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

Source Number	Source Description	NSPS Regulation (Subpart)
F001	300 TPH Portable non-metallic mineral processing plant	Subpart OOO



Final Permit-to-Install and Operate
MARTIN MARIETTA MATERIALS, INC.
Permit Number: P0112093
Facility ID: 1483090424
Effective Date: 1/18/2013

The application and enforcement of these standards are delegated to the Ohio EPA.
The requirements of 40 CFR Part 60 are also federally enforceable.



2. P001, 1.62 MMBtu/hr diesel fired generator

Operations, Property and/or Equipment Description:

1.62 MMBtu/hr diesel fired generator

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. 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)	Nitrogen oxides (NOx) emissions shall not exceed 4.41 pounds per million British thermal units (MMBtu) and 31.27 tons per year (TPY). Carbon monoxide (CO) emissions shall not exceed 0.95 pound per MMBtu and 6.75 TPY. Sulfur dioxide (SO2) emissions shall not exceed 0.29 pound per MMBtu and 2.06 TPY. Particulate emissions (PE) and emissions of particulate matter 10 microns and less in diameter (PM10) shall not exceed 0.31 pound per MMBtu and 2.19 TPY. Volatile organic compound (VOC)



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		emissions shall not exceed 0.36 pound per MMBtu and 2.54 TPY. The requirements of this rule for PE also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a).
b.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
c.	OAC rule 3745-17-11(B)(5)(a)	PE from a stationary small internal combustion engine shall not exceed 0.310 pound per MMBtu.

(2) Additional Terms and Conditions

- a. The short-term emission limitations outlined in b)(1) are based upon the emission unit's Potential to Emit. Therefore, no hourly records are required to demonstrate compliance with these limits.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the operating hours for this emission unit. These records shall be summarized at the end of the calendar year.
- (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 stack serving this emissions unit. 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.

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

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.
- (2) The permittee shall identify the following information in the annual PER in accordance with the monitoring requirements for visible emissions in term d)(2) above:
 - a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit; 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. Emission Limitations:

Nitrogen oxides (NO_x) emissions shall not exceed 4.41 pounds per million British thermal units (MMBtu)

Carbon monoxide (CO) emissions shall not exceed 0.95 pound per MMBtu

Sulfur dioxide (SO₂) emissions shall not exceed 0.29 pound per MMBtu



Particulate emissions (PE) and emissions of particulate matter 10 microns and less in diameter (PM10) shall not exceed 0.31 pound per MMBtu

Volatile organic compound (VOC) emissions shall not exceed 0.36 pound per MMBtu

PE from a stationary small internal combustion engine shall not exceed 0.310 pound per MMBtu.

Applicable Compliance Method:

Compliance with the short-term emission limitations shall be demonstrated by the Emission Factors (EF) in Table 3.3-1, Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1, 10/1996.

The applicable emission limitations were established based on information provided by the permittee in application A0046241 for FEPTIO P0112093 and are equivalent to the EFs listed in Table 3.3-1. Note that the SIP PE limit is also equal to the AP-42 EF.

b. Emission Limitations:

Nitrogen oxides (NOx) emissions shall not exceed 31.27 tons per year (TPY).

Carbon monoxide (CO) emissions shall not exceed 6.75 TPY.

Sulfur dioxide (SO2) emissions shall not exceed 2.06 TPY.

Particulate emissions (PE) and emissions of particulate matter 10 microns and less in diameter (PM10) shall not exceed 2.19 TPY.

Volatile organic compound (VOC) emissions shall not exceed 2.54 TPY.

Applicable Compliance Method:

Compliance with the annual emission limitations shall be demonstrated by multiplying the actual short-term emissions for each pollutant, in pounds per hour (actual fuel usage in MMBtu per hour multiplied by pollutant EFs in pounds per MMBtu), by the actual annual operating hours for the reciprocating engine as recorded in d)(1), in hours per year, and divided by 2000 pounds resulting in TPY emissions for each pollutant.

The applicable emission limitations were established based on information provided by the permittee in application A0046241 for FEPTIO P0112093 and assuming 8760 hours per year of operation:

$7.14 \text{ pound NOx/hr} \times 8760 \text{ hrs/year} \times 1 \text{ Ton/2000 pounds} = 31.27 \text{ TPY NOx}$

$1.54 \text{ pound CO/hr} \times 8760 \text{ hrs/year} \times 1 \text{ Ton/2000 pounds} = 6.75 \text{ TPY CO}$

$0.47 \text{ pound SO2/hr} \times 8760 \text{ hrs/year} \times 1 \text{ Ton/2000 pounds} = 2.06 \text{ TPY SO2}$



0.50 pound PE/PM10/hr x 8760 hrs/year x 1 Ton/2000 pounds = 2.19 TPY PE/PM10

0.58 pound VOC/hr x 8760 hrs/year x 1 Ton/2000 pounds = 2.54 TPY VOC

c. Emission Limitation:

Visible particulate emissions 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, compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance U.S. EPA Method 9.

g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.



- (2) 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, the permittee shall submit an application and obtain a PTIO or PTI (as applicable) for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. 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.