

NEIGHBORHOODS DEPARTMENT



**Permittee:**

Martin Marietta Materials, Inc.  
3019 Riverwatch Parkway  
Augusta, GA 30907

**Permit No.:** 0310513-005-AO

**Facility ID No.:** 0310513

**SIC No(s):** 50

**Project:** Bulk Material Processing Facility

This permit is for the operation of a bulk material processing facility. This facility is located at 9125 Dames Point Road, Jacksonville, Duval County, FL 32226; UTM Coordinates: Zone 17, 446.08 km East and 3362.23 km North; Latitude: 30° 23' 27" North and Longitude: 81° 33' 41" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297 Florida Administrative Code (F.A.C.). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents, attached hereto or on file with the Neighborhoods Department, Environmental Quality Division (Department) in accordance with the terms and conditions of this permit.

**Operation Permit Application Due Date:** March 1, 2018

**Expiration Date:** April 30, 2018

**Neighborhoods Department  
Environmental Quality Division**

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**Robert Steven Pace, P.E., Manager  
Air Quality Branch**

RSP/DH

## **Section I. Facility Information**

### **Subsection A. Facility/Project Description**

This permit is for a bulk material processing facility. Coal is offloaded from ships into a receiving hopper and then into trucks. Crushed stone is offloaded from ships directly into stockpiles. A 300 ton per hour portable screening unit is on site. Crushed stone is loaded into trucks via a front-end loader.

The facility is a minor source of air pollution because the potential emissions of regulated air pollutants are less than 100 tons per year pursuant to Chapter 62-210, FAC, and JEPB Rule 2.301.

### **Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions**

<u>EU No.</u>	<u>EU Description</u>	<u>Control Measures</u>
001	Ship Offloading of Crushed Stone	Inherent Moisture Content
002	Ship Offloading of Coal	Inherent Moisture Content
003	Stockpiles	Inherent Moisture Content, Water Truck Spray as needed
004	Portable Screening Plant	Inherent Moisture Content, Water Truck Spray as needed

### **Subsection C. Relevant documents**

Permit No.: 0310513-004-AO

Air operating permit application received March 19, 2013

## **Section II. Facility Wide Conditions**

### **Subsection A. General Conditions**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific process and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - a. Have access to and copy any records that must be kept under conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of noncompliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, FAC, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - ( ) Determination of Best Available Control Technology (BACT)
  - ( ) Determination of Prevention of Significant Deterioration (PSD)
  - ( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
  - ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:
- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by this permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c. Records of monitoring information shall include:
    1. The date, exact place, and time of sampling or measurements;
    2. The person responsible for performing the sampling or measurements;
    3. The date(s) analyses were performed;
    4. The person responsible for performing the analyses;
    5. The analytical techniques or methods used;
    6. The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.  
[Rule 62-4.160, FAC, and Rule 2.1401, Jacksonville Environmental Protection Board (JEPB)]

**Subsection B. Specific Conditions**

1. Any revision(s) to a permit (and application) shall be submitted to and approved by the Department prior to implementing.  
[Rule 62-4.080(2), FAC, and Rule 2.1401, JEPB]
2. The permittee shall apply for a renewal operation permit sixty (60) days prior to the expiration date of this permit.  
[Rule 62-4.090, FAC, and Rule 2.1401, JEPB]
3. The permittee shall submit all compliance related notifications and reports required of this permit to:

Neighborhoods Department  
Environmental Quality Division  
214 North Hogan Street, Suite 500  
Jacksonville, FL 32202  
Telephone: (904) 255-7100  
Fax: (904) 588-0518

4. Unconfined particulate matter emissions from yard operations, open stock piling of materials and/or materials handling operations shall be controlled by using the following reasonable precautions. Reasonable precautions may include, but shall not be limited to the following:
- Reduced speed for vehicular traffic.
  - Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
  - Use of paving or other asphaltic materials.
  - Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
  - Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
  - Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
  - Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.
  - Enclosure or covering of conveyor systems.
- [Rule 62-296.320(4)(c), FAC, and Rule 2.1101, JEPB]

### **Section III. Emission Units and Conditions**

#### **Emission Unit No. 001- Ship Offloading of Crushed Stone**

Emission Unit Description – Granite, limestone and aragonite are offloaded from ships using a single conveyor belt for each stockpile.

Control Device – Inherent moisture content

#### **Essential Potential to Emit (PTE) Parameters**

1. The maximum process rate to the ship offloading system shall be limited to  $3.5 \times 10^6$  tons per year of granite, limestone and aragonite.  
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]
2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.  
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

#### **Emission Limitations and Standards**

3. Unconfined particulate matter emissions from yard operations, open stock piling of materials and/or materials handling operations shall be controlled by using the following reasonable precautions. Reasonable precautions may include, but shall not be limited to the following:
- Reduced speed for vehicular traffic.
  - Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
  - Use of paving or other asphaltic materials.
  - Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
  - Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
  - Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
  - Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.
  - Enclosure or covering of conveyor systems.
- [Rule 62-296.320(4)(c), FAC, and Rule 2.1101, JEPB]

**Emission Unit No. 002- Ship Offloading of Coal**

Emission Unit Description – Coal is unloaded from ships into an onshore receiving hopper and then into trucks.  
The coal will not be stockpiled.

Control Device – Inherent moisture content

**Essential Potential to Emit (PTE) Parameters**

1. The maximum process rate to the ship offloading system shall be limited to  $1.0 \times 10^6$  tons per year of anthracite coal.  
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]
2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.  
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

3. Unconfined particulate matter emissions from yard operations, open stock piling of materials and/or materials handling operations shall be controlled by using the following reasonable precautions. Reasonable precautions may include, but shall not be limited to the following:
  - Reduced speed for vehicular traffic.
  - Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
  - Use of paving or other asphaltic materials.
  - Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
  - Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
  - Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
  - Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.
  - Enclosure or covering of conveyor systems.[Rule 62-296.320(4)(c), FAC, and Rule 2.1101, JEPB]

**Emission Unit No. 003- Stockpiles**

Emission Unit Description – Stockpiles of granite, limestone and aragonite

Control Device – Inherent moisture content, water truck spray as needed.

**Essential Potential to Emit (PTE) Parameters**

1. The maximum process rate to the stockpiles shall be limited to  $3.5 \times 10^6$  tons per year of granite, limestone and aragonite.  
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]
2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.  
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

3. Unconfined particulate matter emissions from yard operations, open stock piling of materials and/or materials handling operations shall be controlled by using the following reasonable precautions. Reasonable precautions may include, but shall not be limited to the following:
- Reduced speed for vehicular traffic.
  - Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
  - Use of paving or other asphaltic materials.
  - Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
  - Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
  - Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
  - Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.
  - Enclosure or covering of conveyor systems.
- [Rule 62-296.320(4)(c), FAC, and Rule 2.1101, JEPB]

**Emission Unit No. 004 - Portable Screening Plant**

Emission Unit Description – A diesel powered portable screen consisting of a receiving hopper, two deck screen, and four conveyor belts.

Control Device – Inherent moisture content, water truck spray as needed.

**Essential Potential to Emit (PTE) Parameters**

1. The maximum process rate for this emission unit shall be limited to 300 tons per hour and  $1.0 \times 10^6$  tons per year of crushed stone.  
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]
2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.  
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

3. Unconfined particulate matter emissions from yard operations, open stock piling of materials and/or materials handling operations shall be controlled by using the following reasonable precautions. Reasonable precautions may include, but shall not be limited to the following:
- Reduced speed for vehicular traffic.
  - Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
  - Use of paving or other asphaltic materials.
  - Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
  - Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
  - Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
  - Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.
  - Enclosure or covering of conveyor systems.
- [Rule 62-296.320(4)(c), FAC, and Rule 2.1101, JEPB]