

MEMORANDUM

DATE: March 6, 2013

TO: Richard D. Garrity, Ph.D.

FROM: Lora Webb

THRU: Diana M. Lee, P.E.

**SUBJECT: Operating Permit Renewal – Permit No. 0571214-010-AO
Martin Marietta Materials, Inc.**

Attached is renewal Permit No. 0571214-010-AO for an aggregate handling facility located at 4101 Maritime Boulevard, Tampa, FL 33605. Martin Marietta receives granite and washed limestone from ships/barges. The material is off-loaded at the main yard by ship-mounted belt conveyors into a receiving hopper, and then distributed around the main yard onto storage piles through a series of belt conveyors. From the storage piles, the material is loaded into trucks for transport off-site by the use of a front-end loader.

All of the conveyor belts are approximately 48 inches wide and the approximate lengths are as follows: Conveyor No. 1 is 315 feet long, Conveyor Nos. 2 and 4 are 150 feet long, and Conveyor No. 3 is 265 feet long. Each conveyor transfer point is partially enclosed and equipped with water sprays at the material transfer points. The receiving hopper is also equipped with water sprays along the top perimeter of the hopper. Sprinkler systems are also established along the internal roads and along the fence lines to reduce fugitive emissions from truck traffic.

Martin Marietta is also authorized to use an adjacent 5-acre site for granite and washed limestone handling and storage. Ships unload material directly onto the ground at the 5-acre site located northwest on Studebaker Drive across from Martin Marietta's main yard. No land based stationary equipment is used during the ship offloading process at this site. The material is unloaded from the shiphold onto a ship conveyor and then directly to the stockpile/ground. The material is loaded into trucks for transport off-site by the use of a front-end loader.

The facility-wide material throughput is limited to 2.5 million ton/yr. The particulate matter (PM) potential to emit (PTE) is 48.8 TPY based on nine transfer points (worst case) and an emission

factor of 0.0043 lb/ton derived from the drop equation in EPA's AP-42 Chapter 13.2.4. Because the drop equation takes into consideration the use of water, no additional control efficiency was

applied. The facility is subject to PM-RACT (Rule 62-296.711, F.A.C.) and the permit includes an Operation and Maintenance Plan to document proper inspection and operation of water sprays, drop heights, etc., to help reduce PM emissions. Each emission unit is subject to a 5% opacity limit as required by PM-RACT and Chapter 1-3.52, Rules of the EPC.

In June 2012, the facility was issued a warning notice for late submittal of the 2011 AOR. The warning notice was closed without any further enforcement action. No other warnings notices have been issued to the facility and no complaints have been received about the facility in the last five years. In addition, the facility has performed annual VE testing on the emission units. All of the tests within the last five years have been determined to be in compliance with the permit limits.

Based on our review, we recommend the issuance of this permit as drafted.

LAW: 0571214-010-AO

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL

Mr. Tony DiRico
President, Southeast Division
Martin Marietta Materials, Inc.
3019 Riverwatch Parkway
Augusta, GA 30907

File No.: 0571214-010-AO
County: Hillsborough

Enclosed is renewal Permit Number 0571214-010-AO to operate a granite and washed limestone material handling facility, issued pursuant to Section 403.087, Florida Statutes. Please read this new permit thoroughly as there are changes from the previous permit.

The EPC will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Section 120.569 and 120.57 F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Dr, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of receipt of this permit. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication.

A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the

time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the F.A.C.

A petition that disputes the material facts on which the EPC's action is based must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number if known;

(b) The name, address, and telephone number of the petitioner and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the EPC's determination;

(c) A statement of how and when the petitioner received notice of the EPC action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the EPC's proposed action;

(f) A statement of specific rules or statutes the petitioner contends requires reversal or modification of the EPC's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the EPC's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the EPC on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition, this order will not be effective until further order of the EPC.

Any person listed below may request to obtain additional information, a copy of the application

Martin Marietta Materials, Inc.
Augusta, GA 30907

Page 3 of 4

(except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, and all other materials available to the EPC that are relevant to the permit decision. Interested persons may contact Diana M. Lee, P.E., at the above address or call (813) 627-2600, for additional information.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida rules of Appellate Procedure with the EPC's Legal Office at 3629 Queen Palm Dr, Tampa, Florida 33619 and with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

RDG/LAW/law

Attachment

cc: Florida Department of Environmental Protection, Southwest District (e-mail)
Christopher Wilson, Martin Marietta Materials, Inc. (e-mail)
Lynn Robinson, P.E. – Southern Environmental Sciences, Inc. (e-mail)

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on _____ to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes with the clerk, receipt of which is hereby acknowledged.

Clerk

Date

PERMITTEE:

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

PERMIT/CERTIFICATION

Permit No.: 0571214-010-AO
County: Hillsborough
Expiration Date: March 6, 2018
Project: Granite and Washed Limestone Handling

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-296, 62-297, and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the EPC and made a part hereof and specifically described as follows:

This permit authorizes operation of an aggregate storage and handling facility. Granite and washed limestone are received by barge/ship at Berth 220 and unloaded via ship mounted belt conveyors to either a single land-based hopper (Receiving Hopper) at the main yard or directly to the stockpile/ground at the 5-acre site adjacent to the main yard. When material is directed to the Receiving Hopper, the materials are transferred from the hopper to a fixed conveyor belt (Conveyor No. 1). From Conveyor No. 1, the materials are transferred to a mobile conveyor (Conveyor No. 2), which is a radial stacker that can swing to various areas for stockpiling of products. Conveyor No. 2 can also swing to a point in-line with another fixed conveyor belt (Conveyor No. 3) for transfer of material to Conveyor No. 3. From Conveyor No. 3, the materials are transferred to a second radial stacker (Conveyor No. 4) and then to open stockpiles for storage until the material is ready to be loaded into trucks for shipment offsite. When ready to be shipped offsite, the material is loaded from the various stockpiles into open bed trucks via front-end loaders.

In order to minimize particulate matter emissions, each conveyor transfer point is partially enclosed and equipped with water sprays at the transfer drop points. The Receiving Hopper is also equipped with water sprays along the top perimeter of the hopper. Also, a water sprinkler system has been established along the internal roads and along the fence lines to reduce fugitive emissions from truck traffic.

Location: 4101 Maritime Boulevard, Tampa, FL 33605

UTM: 17-358.5 E, 3087.5 N

FACILITY ID NO: 0571214

Emission Unit ID:

- 001 Ship Unloading
 - Emission Point No. 1: Front-end Loader to Shiphold Conveyor (Main Yard)
 - Emission Point No. 2: Shiphold to Ship Loadout Conveyor (5-Acre Site)
- 002 Shiphold Conveyor to Ship Loadout Conveyor (Main Yard)
- 003 Ship Loadout Conveyor to Receiving Hopper (Main Yard)
- 004 Receiving Hopper to Conveyors/Conveyor Transfers (Main Yard)
 - Emission Point No. 1: Receiving Hopper to Conveyor No. 1
 - Emission Point No. 2: Conveyor No. 1 to Conveyor No. 2
 - Emission Point No. 3: Conveyor No. 2 to Conveyor No. 3
 - Emission Point No. 4: Conveyor No. 3 to Conveyor No. 4
- 008 Conveyor to Stockpile
 - Emission Point No. 1: Conveyor No. 2 or No. 4 to Stockpile (Main Yard)
 - Emission Point No. 2: Ship Loadout Conveyor to Stockpile (5-Acre Site)
- 009 Truck Loading
 - Emission Point No. 1: Main Yard
 - Emission Point No. 2: 5-Acre Site

Replaces Permit No.: 0571214-009-AO

References Permit Nos.: 0571214-003-AC, 0571214-005-AC, and 0571214-008-AC

PERMITTEE:
Martin Marietta Aggregates

PERMIT/CERTIFICATION NO.: 0571214-010-AO
PROJECT: Granite and Washed Limestone Handling

SPECIFIC CONDITIONS:

1. A part of this permit is the attached General Conditions. [Rule 62-4.160, F.A.C.]
2. All applicable rules of the Environmental Protection Commission of Hillsborough County including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. [Rule 62-4.070(7), F.A.C.]
3. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C., or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]
4. The permittee shall not cause, permit, or allow any visible emissions (five percent opacity) from any emissions unit (EU 001 thru EU 009) or activity. [Rules 62-296.711(2), F.A.C.; Chapter 1-3.52, Rules of the EPC; and Permit Nos. 0571214-005-AC and -008-AC]
5. The permittee shall not exceed a maximum combined granite and washed limestone throughput of 2,500,000 tons in any twelve consecutive month period. [Rule 62-210.200(Potential to Emit), F.A.C.; and Permit Nos. 0571214-005-AC and -008-AC]
6. In order to demonstrate compliance with the 5% visible emissions standard, the following transfer and operation rates shall not be exceeded: [Rule 62-4.070, F.A.C.; and Permit Nos. 0571214-005-AC and -008-AC]

<u>EU No.</u>	<u>Operation</u>	<u>Transfer Rate</u>
001	Ship Unloading	
	EP1: Front-end Loader to Shiphold Conveyor (Main Yard)	2,500 (ton/hr)
	EP2: Shiphold to Ship Loadout Conveyor (5-Acre Site)	6,000 (ton/hr)
002	Shiphold Conveyor to Ship Loadout Conveyor (Main Yard)	2,500 (ton/hr)
003	Ship Loadout Conveyor to Receiving Hopper (Main Yard)	2,500 (ton/hr)
004	Receiving Hopper to Conveyor /Conveyor Transfers (Main Yard)	
	EP1: Receiving Hopper to Conveyor No. 1	2,500 (ton/hr)
	EP2: Conveyor No. 1 to Conveyor No. 2	2,500 (ton/hr)
	EP3: Conveyor No. 2 to Conveyor No. 3	2,500 (ton/hr)
	EP4: Conveyor No. 3 to Conveyor No. 4	2,500 (ton/hr)
008	Conveyor to Stockpile	
	EP1: Conveyor No. 2 or No. 4 to Stockpile (Main Yard)	2,500 (ton/hr)
	EP2: Ship Loadout Conveyor to Stockpile (5-Acre Site)	6,000 (ton/hr)
009	Truck Loading	
	EP1: Main Yard	1,800 (ton/hr)
	EP2: 5-Acre Site	1,800 (ton/hr)

PERMITTEE:
Martin Marietta Aggregates

PERMIT/CERTIFICATION NO.: 0571214-010-AO
PROJECT: Granite and Washed Limestone Handling

SPECIFIC CONDITIONS:

7. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alterations, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. The following restrictions and limitations shall apply at all times in order to ensure compliance with Specific Condition No. 4: [Rules 62-296.320 and 62-4.070(3), F.A.C.; and Permit Nos. 0571214-003-AC and 0571214-005-AC]

- A) The permittee is authorized to handle various grades (sizes) of granite and washed limestone (concrete stone).
- B) Water sprays shall be properly maintained on the Receiving Hopper and each conveyor transfer point, and shall be in operation during product handling to keep the aggregate adequately wet to meet the opacity limit of Specific Condition No. 4.
- C) Minimize drop heights (free-fall distance) when handling any materials.
- D) Utilize tarps and/or covers as necessary to prevent visible emissions from the shiphold in excess of 5% opacity, and curtail operations if winds are entraining particulate matter in excess of 5% opacity.
- E) No blowers shall be used in the vessel holds.
- F) Properly maintain all enclosures, coverings, and drop chutes on the conveyors.
- G) Minimize to the greatest extent possible the use of front end loaders and bulldozers for relocating and/or consolidating material piles.
- H) Exercise good housekeeping practices at all times.
- I) Appropriate measures shall be taken to control and prevent materials from entering the waters of Tampa Bay during unloading operations.
- J) Apply water, chemicals or other dust suppressants to unpaved roads, yards, open stockpiles, and similar activities within the facility as necessary to minimize fugitive particulate matter emissions.
- K) Operate and maintain the sprinkler system (SS) as necessary along the internal roads and the facility fence lines to minimize fugitive particulate matter emissions.
- L) Post speed limit signs on the property, limiting vehicle speeds to five (5) mph.
- M) Minimize, to the greatest extent possible, all storage pile heights.

8. Test each emission unit (EU 001 thru EU 009), including all referenced emission points listed in Specific Condition No. 6, for visible emissions (opacity) annually, once per federal fiscal year (October 1 – September 30). Submit two copies of test data to the Air Compliance Section of the Air Management Division of the Environmental Protection Commission of Hillsborough County within 45 days of such testing. Testing procedures shall be consistent with the requirements of 40 CFR 60 and Rule 62-297, F.A.C. [Rule 62-297.310(7) and (8), F.A.C.]

9. Compliance with the visible emission limitations of Specific Condition No. 4 shall be

PERMITTEE:
Martin Marietta Aggregates

PERMIT/CERTIFICATION NO.: 0571214-010-AO
PROJECT: Granite and Washed Limestone Handling

SPECIFIC CONDITIONS:

determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The EPA Method 9 observation period shall be at least thirty (30) minutes in duration. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A. [Rule 62-297, F.A.C.]

10. Testing of emissions shall be conducted with the sources operating at capacity. Capacity is defined as 90-100% of the transfer rates listed in Specific Condition No. 6. If it is impracticable to test at capacity, then the sources may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to submit the transfer rates and actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310(2), F.A.C.]

11. The permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(7)(a)9., F.A.C.]

12. The permittee shall maintain the facility in compliance with the following Operation and Maintenance Plan. Records of inspections, maintenance and performance data shall be retained for a minimum of two years and shall be made available to the Department upon request. [Rules 62-296.700 and 62-4.070(3), F.A.C., and Permit No. 0571214-005-AC]

A) Daily

- (1) Operate water spray heads on the hopper and conveyors as necessary on any dates that material is being received or transferred by conveyors.
- (2) Check aggregate for adequate moisture content at receiving hopper on dates that material is being received from ship.
- (3) Operate the sprinkler system (SS) along the internal roads and the facility fence lines as necessary to maintain adequate moisture on the roads and truck loading areas.
- (4) Limit vehicular speeds to 5 mph or less.
- (5) Inspect the material drop heights and maintain the minimum drop heights possible.

B) Weekly

- (1) Inspect roads and other paved surfaces on site, and clean as necessary.
- (2) Inspect and maintain the sprinkler system (SS) and the water spray heads at each conveyor drop point and receiving hopper.

PERMITTEE:
Martin Marietta Aggregates

PERMIT/CERTIFICATION NO.: 0571214-010-AO
PROJECT: Granite and Washed Limestone Handling

SPECIFIC CONDITIONS:

C) Monthly

- (1) Maintain vegetation in any non-traffic areas.
- (2) Inspect and maintain the conveyors and conveyor drop chutes.

D) Annually

- (1) Inspect roadways and speed limit signs, maintain as necessary.

13. When the Environmental Protection Commission of Hillsborough County (EPC) after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Rules 62-204, 62-210, 62-212, 62-296, or 62-297, F.A.C., or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the EPC. [Rule 62-297.310(7)(b), F.A.C.]

14. In order to demonstrate compliance with Specific Condition Nos. 5, 6 and 12, the permittee shall maintain daily records of operations for the most recent two year period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but not limited to, the following: [Rules 62-4.070(3), 62-4.160(14) and 62-296.700, F.A.C.]

- A) Date: Day/Month/Year
- B) Amount and type of material received (tons/day)
- C) Monthly total of each material received (tons)
- D) Rolling twelve (12) month totals of materials received (tons)
- E) Checklist for the Operation and Maintenance Plan

15. The permittee shall provide timely notification to the Environmental Protection Commission of Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200, F.A.C., Modification. The changes do not include normal maintenance, but may include, and are not limited to, the following, and may also require prior authorization before implementation: [Rules 62-210.300 and 62-4.070(3), F.A.C.]

- A) Alteration or replacement of any equipment or major component of such equipment.
- B) Installation or addition of any equipment which is a source of air pollution.
- C) Handling any materials other than granite or washed limestone.

16. The permittee shall submit to the Environmental Protection Commission of Hillsborough County each calendar year, a completed DEP Form 62-210.900(5), "Annual Operating Report (AOR) for Air Pollutant Emitting Facility", for the preceding calendar year. The AOR shall be submitted by April 1 of the following year. [Rule 62-210.370(3), F.A.C. and Permit Nos. 0571214-

PERMITTEE:
Martin Marietta Aggregates

PERMIT/CERTIFICATION NO.: 0571214-010-AO
PROJECT: Granite and Washed Limestone Handling

SPECIFIC CONDITIONS:

005-AC and 008-AC]

17. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

18. Prior to sixty days before the expiration of this operating permit, the permittee shall apply for a renewal of the permit using the current version of the permit renewal application form. A renewal application shall be timely and sufficient. If the application is submitted prior to sixty days before the expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the EPC or, if there is court review of the final agency action, until a later date is required by Section 120.60, Florida Statutes. A complete application shall be accompanied by three months of records as specified in Specific Condition No. 15. [Rule 62-4.090, F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director