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Richard D. Garrity, Ph.D.

**ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by**

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

NOTICE OF PERMIT

Mr. Hershel Burton
Vulcan Materials Company,
Florida Rock Division
3510 Pendola Point Road
Tampa, FL 33619

Dear Mr. Burton:

Re: Hillsborough County - AP

Enclosed is FINAL Air Construction Permit Number No. 0570412-007-AC to expand the Tampa sales yard and construct a new ship unloading and bulk material handling operation located at 3510 Pendola Point Road in Tampa. This permit is being issued pursuant to Section 403.087, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the EPC in the Legal Department at 3629 Queen Palm Drive, Tampa, FL 33619; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida.

Sincerely,

Richard D. Garrity, Ph.D.
Executive Director

cc: FDEP Southwest District (via e-mail)

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CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on November 26, 2013 to the listed persons.

Clerk Stamp

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

Madeline Miskubi
Clerk

11/26/13
Date

FINAL DETERMINATION

FOR

Vulcan Materials Company, Florida Rock Division

Hillsborough County

Air Construction Permit

Application Number

0570412-007-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

November 26, 2013

I. Summary

The Environmental Protection Commission of Hillsborough County mailed a public notice package on November 6, 2013 that included the Intent to Issue REVISED DRAFT Air Construction Permit No. 0570412-007-AC to Vulcan Materials Company, Florida Rock Division located at 3510 Pendola Point Road, Tampa, FL 33619. The AC Permit is for the expansion of Vulcan's Tampa Sales Yard facility and for the construction of a new ship unloading and bulk material handling operation.

The "Public Notice of Intent to Issue" was published on November 9, 2013 in The Tampa Tribune.

II. Comments

No comments were received from the facility or the general public since the Notice of Intent was published.

III. Conclusion

The final action of the Environmental Protection Commission of Hillsborough County is to issue the FINAL AC permit.



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PERMITTEE:
Vulcan Materials Company,
Florida Rock Division
3510 Pendola Point Road
Tampa, FL 33619

PERMIT/CERTIFICATION:
Permit No.: 0570412-007-AC
County: Hillsborough
Expiration Date: November 26, 2015
Project: Tampa Sales Yard Expansion

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:

Project Description

Vulcan Materials Company is an existing marine terminal facility which handles bulk limestone, granite, gravel, silica sand, aragonite, granulated blast furnace slag, and black slag.

Vulcan Materials is proposing to construct an expansion of the existing Tampa Sales Yard to the east, as a result of the acquisition of the neighboring property from the Tampa Port Authority. Vulcan Materials is also requesting to increase the annual throughput limit of the expanded facility from 1.8 to 2.5 million tons per year, in order to accommodate the increased capacity.

Vulcan Materials will use existing equipment currently located on the new property, in addition to new equipment, to expand its current facility's operations. The expanded facility will include a new bulk material ship unloading and conveying system rated at 2,500 tons per hour and up to seven (7) material transfer points, a new portable screening system to screen up to 100,000 tons per year of bulk material, stockpiling of materials, and a truck tire wash to minimize fugitive dust emissions from truck traffic. According to Vulcan Materials, the expanded facility will handle the same types of materials as the existing sales yard facility.

Process Description

At the newly expanded facility, material will be received by ship and loaded onto a shipboard conveyor and belt conveyed to the east on-site receiving hopper (EH-1) via a ship mounted conveyor boom. The receiving hopper will have a water spray system along the top perimeter of the hopper. From the receiving hopper, the material will be gravity fed to a conveyor (EC-1) which will convey the material to a radial stacker (ER-1). From the radial stacker, material will be conveyed to

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either a second radial stacker (ER-2) to a storage pile, or to up to two (2) portable conveyors (EC-2 and EC-3) prior to feeding the second radial stacker (ER-2), which will then feed the storage pile. The new ship unloading system will have up to seven (7) material transfer points and each material transfer point will have a water spray system, for water application as-needed.

Also at the newly expanded facility will be a portable screener which will be authorized to screen up to 100,000 tons per year of material. The screening operation will involve the loading of material into a hopper via front-end loader which will gravity feed onto a conveyor belt. From the conveyor belt, the material will be fed to a vibrating screen where the material will be separated by size. The screened material will be gravity fed onto conveyor belts and into storage piles. Particulate matter emissions from the screening operation will be controlled by water application as-needed and material moisture content.

From the material storage piles, front-end loaders will either transfer the material to a different storage pile, to the existing washing station, or directly into open-bed trucks for shipment offsite or relocation of the material inside the expanded facility. The facility may also receive off-site material by truck which will be gravity fed to open stockpiles.

Particulate matter emissions from the conveyors, hoppers, radial stackers, transfer points, mobile screener, and storage piles will be controlled by water application as-needed, material moisture content, and the use of best management practices. This facility is subject to PM RACT (Rule 62-296.711, Materials Handling, Sizing, Screening, Crushing and Grinding Operations, F.A.C.) and Chapter 1-3, Rules of the EPCHC.

Based on the changes proposed in this AC permit, the facility-wide PTE for particulate matter will increase from 23.0 tons/yr to 69.1 tons/yr.

Location: 3510 Pendola Point Road, Tampa

UTM: 17-359.10 E 3086.90 N FACILITY ID NO: 0570412

The following emissions unit(s) are being constructed as part of this project:

EU ID No.	Emission Unit Description
016	<u>East Ship Unloading System</u> Ship Conveyor to Receiving Hopper (EH-1) Hopper (EH-1) to Conveyor (EC-1) Conveyor (EC-1) to Radial Stacker (ER-1) Radial Stacker (ER-1) to Radial Stacker (ER-2); or, Radial Stacker (ER-1) to Portable Conveyor (EC-2) Portable Conveyor (EC-2) to Portable Conveyor (EC-3) Portable Conveyor (EC-2 or EC-3) to Radial Stacker (ER-2) Radial Stacker to Storage Pile
017	Portable Screening Operation
018	Truck Dump to Pile

Replaces Permit Nos.: N/A

References Permit No.: 0570412-006-AO

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Vulcan Materials Company,
Florida Rock Division

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PROJECT: Tampa Sales Yard Expansion

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 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, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rule 62-296.320(2), F.A.C.]
5. [RESERVED]
6. The permittee shall not cause, permit, or allow any visible emissions (five (5%) percent opacity) from any point in the aggregate handling operation including, but not limited to, the following emission points: [Rules 62-296.711(2)(a) and 62-4.070(3), F.A.C.]
 - A) Shiphold
 - B) Ship Unloading Conveyors
 - C) All Hoppers
 - D) All Conveyor Transfer Points
 - E) Radial Stacker to Storage Piles
 - F) Front-end Loader to Storage Pile
 - G) Front-end Loader to Truck
 - H) Front-end Loader to Washer Receiving Hopper
 - I) Washer Receiving Hopper to Conveyor
 - J) Conveyor to Washing Station
 - K) Washing Station
 - L) Truck Loading Bin
 - M) Truck Loading Bin to Truck
 - N) Truck to Storage Pile
 - O) Screening Operations
7. The following limitations and restrictions shall apply during any twelve consecutive month period: [Rule 62-4.070(3), F.A.C., Permit No. 0570412-006-AO, and Air Construction Permit Application Received September 11, 2013]

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SPECIFIC CONDITIONS:

A) The permittee shall handle only the following materials:

<u>Material</u>	<u>Tons/12 Consecutive Month Period</u>
a. Limestone, Granite, Gravel, Silica Sand, and Aragonite	2,450,000
b. Granulated Blast Furnace Slag and Black Slag	50,000

B)

<u>Operation</u>	<u>Maximum Material Handling Rate</u>	
	(tons/hour)	(tons/12 month period)
West Ship Unloading	6,000	2,500,000
East Ship Unloading	2,500	
Front-end Loader to Storage Pile and Truck Loading	600	2,500,000
Truck to Storage Pile	1,000	1,800,000
Portable Screening Operation	600	100,000

- C) Material unloaded from ships shall have a minimum in-bound moisture content of 4.8% by weight.
- D) Only saturated limestone shall be processed through the truck loading bin.
- E) Maintain a water spray system to reach the storage piles as needed.

8. Test each emission point associated with Emission Units 006 through 018 for visible emissions as follows. Submit two copies of the test results to the Environmental Protection Commission of Hillsborough County within 45 days of testing. Each test shall be at least 30 minutes in duration unless the operation is completed in less than 30 minutes and does not reoccur during the observation period. In that case, the visible emissions test duration shall be equal to the duration of the operation. The visible emission tests shall be conducted in accordance with Rule 62-297.310, F.A.C. [Rules 62-297.310(4)(a)2.a. and (7), F.A.C.]

- A) Test Emission Units 016, 017, and 018 for visible emissions at the point of highest opacity, the first time each material listed in Specific Condition No. 7.A is received and handled. Test annually thereafter (October 1 – September 30) while handling any of the materials listed in Specific Condition No. 7.A.
- B) Test Emission Units 006 through 015 for visible emissions at the point of highest opacity, the first time a new material listed in Specific Condition No. 7.A is received and handled. Test annually thereafter (October 1 – September 30) while handling any of the materials listed in Specific Condition No. 7.A.

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9. Compliance with the emission limitation of Specific Condition No. 6 shall be 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 test shall be at least 30 minutes in duration or as otherwise specified in Specific Condition No. 8. 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. [Rules 62-297.310, 62-297.310(4)(a)2, and 62-296.711(3)(a) F.A.C.]

10. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity specified in Specific Condition No. 7. If it is impracticable to test at capacity, then the source 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 input rates and actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310(2)(b), F.A.C.]

11. The owner or operator shall notify 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 test contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(7)(a)9., F.A.C.]

12. In order to demonstrate compliance with Specific Condition Nos. 5 and 7, the permittee shall maintain monthly records of operations for the most recent three year period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request and shall include, but not limited to, the following: [Rules 62-4.070(3) and 62-4.160, F.A.C.; Permit No. 0570412-006-AO, and Air Construction Permit Application Received September 11, 2013]

- A) Month, Year
- B) Amount and type of material unloaded from ships
- C) Amount and type of unwashed material loaded into trucks
- D) Amount of washed limestone processed through the washing station and loaded into trucks
- E) Type and amount of material processed through the portable screening operation
- F) Type and amount of material transferred from truck to storage pile.
- G) Monthly summary and rolling twelve month total of B) through F) above.
- H) Records as required by Specific Condition No. 13.B)ii.
- I) Moisture content analysis for material unloaded from each ship and from stockpiles.

13. 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,

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storing and handling. These reasonable precautions shall include, but are not limited to, the following:
[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.]

A) Daily (When in operation)

- i. Operate water spray heads on hoppers and conveyor drops, as needed.
- ii. Maintain roadways and unpaved areas free of material build-up.
- iii. Maintain vehicular speed to a minimum (10 mph or less). Post signs if necessary.
- iv. Inspect material drop points and maintain a minimum drop height distance as reasonably possible.
- v. Minimize the pile height as needed.
- vi. Properly operate and maintain the truck tire wash.

B) Weekly

- i. Inspect road and other paved surfaces. Clean as necessary.
- ii. Perform maintenance inspections on the sprinkler systems at the storage piles and conveyor drop points. Record the date the inspection was performed and any maintenance work performed.

14. 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.]

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(205), 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 new materials not previously handled at the facility.

16. Submit to the Environmental Protection Commission of Hillsborough County each calendar year on or before April 1, completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year. [Rule 62-210.370(3), F.A.C.]

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SPECIFIC CONDITIONS:

17. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Air 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. Within sixty (60) days of completion of visible emissions compliance testing on EU's 016 and 018 as required by Specific Condition No. 8.A) of this permit, but no later than sixty days prior to the expiration of this permit, the permittee shall apply for a non-Title V permit revision using the current version of the permit application form along with the proper fee. The application shall also include a copy of the required compliance tests. [Rules 62-4.050(2) and 62-210, F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

for 

Richard D. Garrity, Ph.D.
Executive Director