FINAL DETERMINATION

FOR

Vulcan Materials Company, Florida Rock Division

Hillsborough County

Construction Permit

Application Numbers

0571274-008-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

March 11, 2011

The Environmental Protection Commission of Hillsborough County mailed a public notice package on February 18, 2011 that included the Intent to Issue Air Construction Permit No. 0571274-008-AC to Vulcan Materials Company, Florida Rock Division (Tampa Sales Yard II), located at 3532 Pendola Point Road, Tampa, FL 33619. This AC Permit authorizes the facility, Tampa Sales Yard II, to add a new EU consisting of the truck unloading to stockpile of limestone (EU No. 015) at the site. Up to 60,000 TPY of limestone will be brought in by truck from the Tampa Sales Yard I site and gravity-fed onto open stockpiles at Tampa Sales Yard II site. Also, the previous permit had separate annual throughput limits of 780,000 TPY and 390,000 TPY for granite and limestone because separate PM emission factors were used to estimate PM PTEs. However, this permit establishes a single annual throughput of 1,170,000 TPY, since the drop equation is being used to estimate PM PTEs. The PM emission factor equated to 0.0202 lb/ton, based on a moisture content of 0.7%, which is the mean value taken from Table 13.2.4-1 in AP-42 for crushed limestone products. In addition, a 70% control efficiency was applied for enclosures at the transfer points and a 90% control efficiency was applied for the use of enclosures and water sprays at the drop points. This resulted in a new facility-wide PM PTE of 18.0 TPY.

The Public Notice of Intent to Issue was published on February 24, 2011 in the Tampa Tribune.

No comments have ever received since the Intent was published.

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

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

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

Re: Hillsborough County - AP

Dear Mr. Burton:

Enclosed is Permit Numbers 0571274-008-AC to Vulcan Materials Company, Florida Rock Division, for a construction permit to modify the material handling operation located at 3532 Pendola Point Road, Tampa, Hillsborough County, 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 Dr., 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

DML/krz

cc: Steve Cullen, P.E. – Koogler & Associates, Inc.

CERTIFICATE OF SERVICE

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

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

_____ _____

Clerk Date

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

PERMIT/CERTIFICATION
Permit No.: 0571274-008-AC
County: Hillsborough
Expiration Date: May 1, 2012
Project: Truck Unloading Operation

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:

For the modification of a material handling and storage facility. This permit is being issued to authorize the addition of a new truck unloading of limestone on to storage pile (EU No. 015) at Vulcan's Sales Yard II site. Up to 60,000 TPY of limestone will be brought in by truck from the Vulcan Sales Yard I site and gravity-fed unto open stockpiles at Vulcan's Sales Yard II site.

The PM PTE emissions associated with EU No. 015 were calculated to be 0.6 TPY. In addition, at the request of the applicant, the overall facility PM PTE was re-calculated using the drop equation from AP-42, Section 13.2.4 for the handling of limestone and granite. The previous permit had separate annual throughput limits of 780,000 TPY and 390,000 TPY for granite and limestone because separate PM emission factors were used to estimate PM PTEs. However, this permit establishes a single annual throughput of 1,170,000 TPY, since the drop equation is being used to estimate PM PTEs. The PM emission factor equated to 0.0202 lb/ton, based on a moisture content of 0.7%, which is the mean value taken from Table 13.2.4-1 in AP-42 for crushed limestone products. In addition, a 70% control efficiency was applied for enclosures at the transfer points and a 90% control efficiency was applied for the use of enclosures and water sprays at the drop points. This resulted in a new facility-wide PM PTE of 18.0 TPY.

The facility is considered a Synthetic Minor source with respect to Title V and Prevention of Significant Deterioration (PSD). The facility is subject to the 5% opacity standard of PM RACT (Rule 62-296.711, F.A.C.) and Ch. 1-3.52, Paragraph 2 of the Rules of the EPCHC.

Granite and limestone aggregate are transferred from a ship to the facility through a series of conveyor belts. Each vessel will be equipped with a continuous unloading conveyor belt. The material is transferred from the Shiphold to the Ship's Conveyor to a fixed Shoreside Hopper (EU No. 001) and then to Conveyor Belt No. 1 (EU No. 002) at a maximum rate of 2,200 tph. From Conveyor Belt No.1, the material is transferred to Pig No.1 (EU No. 003), and then to Pig No. 2 or Radial Stacker No. 1 (EU No. 004) at a maximum rate of 2,200 tph.

Material can be transferred from Pig No. 2 to Radial Stacker No. 1 or Radial Stacker No. 2 (EU No. 005) at a maximum rate of 2,200 tph. Material from Radial Stacker No. 1 can be transferred to Radial Stacker No. 2 or the storage piles (EU No. 006) at a maximum rate of 2,200 tph. From Radial Stacker No. 2, material is transferred to the storage piles (EU No. 007) at a maximum rate of 2,200 tph. Front end loaders and bulldozers will be used to transfer materials from the Storage Piles to Open Bed Trucks (EU No. 008), at a maximum rate of 500 tph, for transport off site. Shipments of crushed granite may contain oversized material, which may be screened, using the Titan 1800 power screen. The power screen (EU Nos. 011 - 014) will process up to 50,000 TPY of crushed granite at a maximum rate of 400 TPH. The maximum combined granite and limestone annual throughput is limited to 1,170,000 TPY.

Particulate matter (PM) emissions from the hopper, transfer points, and conveyor belts are controlled through the use of enclosures of the transfer points, water sprays, truck tarps, a tire wash, and limiting transfer point drop heights.

Location: 3532 Pendola Point Road, Tampa, FL 33619

UTM: 17- 361.71E 3086.96N

NEDS No.: 1274

Emission Unit Nos.:

Emissions Unit ID No.	Emissions Unit Description
001	Transfer Point from Shiphold to Shoreside Hopper
002	Transfer Point from Shoreside Hopper to Conveyor Belt No. 1
003	Transfer Point from Conveyor Belt No. 1 to Pig No. 1
004	Transfer Point from Pig No. 1 to Radial Stacker No. 1 or to Pig No. 2
005	Transfer Point from Pig No. 2 to Radial Stacker No. 1 or Radial Stacker No. 2
006	Transfer Point from Radial Stacker No. 1 to Storage Piles or to Radial Stacker No. 2
007	Transfer Point from Radial Stacker No. 2 to Storage Piles
008	Transfer Point from Frontend Loader to Trucks
011	Frontend Loader to Screen Receiving Hopper
012	Screen Receiving Hopper to Conveyor Belt
013	Conveyor Belt to Power Screen
014	Power Screen to Storage Pile
015	Truck Unloading to Storage Pile

Modifies Permit No.: 0571274-007-AO

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. [Rules 62-4.070(7) and 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. The permittee shall not cause, permit, or allow any visible emissions (five percent opacity) from any emission point or any transfer point listed below: [Rule 62-296.711(2)(a), F.A.C., Ch. 1-3.52 Paragraph 2. of the Rules of the EPCHC, Air Construction (AC) Permit Nos. 0571274-005/006-AC and Air Construction Permit Application submitted January 7, 2011]

A) Ship Hold
B) Ship Hold Conveyor Belt
C) All Onshore Hoppers
D) All Onshore Conveyor Belts
E) All Radial Stackers
F) All Storage Piles
G) All Front End Loaders
H) Hopper and Conveyor Belt to Power Screen
I) Power Screen
J) Truck Unloading

6. As requested by the permittee, in order to establish the facility as a Synthetic Minor, the potential to emit of particulate matter emissions shall not exceed 18.0 tons per year. [Rule 62-4.070(3), F.A.C., Rule 62-210.200 Definitions (239) "Potential to Emit", F.A.C. and Air Construction Permit Application submitted January 7, 2011]

7. The permittee shall perform the following checks and inspect the condition of the following on a daily, weekly, and monthly basis and shall perform any necessary maintenance work in order to keep the equipment in good working order to minimize fugitive particulate matter emissions. A log of the checks and inspections and any corrective actions taken shall be kept and made available as part of the records required by Specific Condition No. 9. [Rules 62-296.700(6)(c)2 and 62-4.070(3), F.A.C.]

SPECIFIC CONDITIONS:

Daily (When In Operation)

A) Operate and check all water spray heads on the hoppers, conveyors, radial stackers and transfer points.
B) Check and maintain the aggregate road, storage piles and front end loading activity areas moist at all times using a sprinkler system.
C) Maintain vehicular speed at 10 MPH or less.
D) Inspect material transfer points and maintain the minimum distance possible.
E) Ensure the drop height from the radial stackers to the storage piles do not exceed 10 feet.

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Weekly

A) Inspect roads and other paved surfaces. Clean as necessary.
B) Perform maintenance inspections on the water spray system.
C) Inspect all conveyor belts.
D) Inspect all conveyor covers.
E) Inspect all spray bars and nozzles.
F) Inspect all transfer points.
G) Inspect all belt idlers.
H) Inspect all chain casings.
I) Inspect all electric motors.
J) Inspect all belt drives.

Monthly

Inspect and clean out tire wash.

8. To ensure compliance with the emission limitations in Specific Condition Nos. 5 and 6, the following restrictions and limitations shall apply for any consecutive twelve month period: [Rule 62-4.070(3), F.A.C. AC Permit Nos. 0571274-005/006-AC and Air Construction Permit Application submitted January 7, 2011]

A) Maximum combined limestone and granite throughput: 1,170,000 tons
B) Maximum granite throughput through screening operation: 50,000 tons
C) Maximum limestone truck unloading throughput: 60,000 tons
D) Hours of operation are not restricted.
E) Maintain a water spray system on the material handling operation to adequately wet the material. The water spray system shall ensure the material stays adequately wet while the material is moving on the conveyor belts and stored in piles.

9. In order to ensure compliance with Specific Condition Nos. 6 and 8, the permittee shall maintain a monthly recordkeeping system. The records shall be maintained onsite for three years and shall be made available upon request to any local, state, or federal air pollution agency upon request. The

records shall include, but not limited to, the following: [Rules 62-4.070(3) and 62-4.160(14)(b), F.A.C.]

A) Month
B) Amount of limestone/granite received (tons)
C) Amount of granite screened (tons)
D) Amount of limestone transferred from Yard I to Yard II storage piles (tons)
E) Rolling twelve month total of B) through D) above

10. Test the truck unloading (EU No. 015) the first time that it is operated and each emission unit and transfer point listed in Specific Condition No. 5 annually, and submit two copies of the test data to 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 Rule 62-297.310, F.A.C.

11. Compliance with the emission limitations of Specific Condition Nos. 5 and 10 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 Method 9 test shall be at least 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. [Rules 62-297 and 62-297.310(4)(a)2, F.A.C.]

12. Testing of emissions shall be conducted with each emission unit operating at capacity. Capacity is defined as 90-100% of rated capacity, which is: 2,200 tph for EU Nos. 001 – 007; 500 tph for EU Nos. 008 and 015; and 400 tph for EU No. 011 - 014. 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 the purpose 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.]

13. 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]

14. 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. Reasonable precautions shall include, but not limited to, the following: [Rule 62-296.320, F.A.C.]

A) Operate water spray heads on the hoppers, conveyor transfer points, and radial stackers

SPECIFIC CONDITIONS:

B) Maintain aggregate haul roads and front end loader areas moist at all times
C) Maintain the permanent sprinkler system to reach the storage piles and conveyor transfer points
D) Maintain material transfer points as low as possible
E) Curtail operations during high wind conditions, if necessary
F) Exercise good housekeeping at all times
G) Trucks shall be covered with tarps prior to leaving the facility
H) Installation and operation of a tire wash

15. 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.]

16. 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 permit authorizes the operation of the emission units described in pages one and two. The permit does not authorize the operation of a crusher. 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) The use of materials and fuels other than those authorized in this permit.

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. The permittee must 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. [Rules 62-4.070(3) and 62-210.370(3), F.A.C.]

19. A minimum of two copies of an application for an operation permit shall be submitted to the Environmental Protection Commission of Hillsborough County within 45 days of completion of compliance testing or at least 90 days prior to the expiration date of this permit, whichever occurs first. [Rules 62-4.050(2) and 62-4.090, F.A.C.]

PERMITTEE:
Vulcan Materials Company,
Florida Rock Division

PERMIT/CERTIFICATION No.: 0571274-008-AC
PROJECT: Truck Unloading Operation

SPECIFIC CONDITIONS:

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

_____

Richard D. Garrity, Ph.D.
Executive Director

P.E. Certification Statement

Permittee:
Vulcan Materials Company, Florida Rock Division
East 21st Street
Jacksonville, Florida 32206

DRAFT Permit No.: 0571274-008-AC
Facility ID No.: 0571274
Project Type: Air Construction

I HEREBY CERTIFY *that the engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).*

(Seal)

_____ _____
Diana Lee, P.E. Date

Permitting Authority:
Environmental Protection Commission
of Hillsborough County
Air Management Division
3629 Queen Palm Dr
Tampa, FL 33619
Telephone: (813) 2627-2600
Fax: (813) 627-2660