

RECEIVED

JUN 02 2011

Bureau of Air Monitoring
NONMETALLIC MINERAL PROCESSING PLANTS (CRUSHERS)
AIR GENERAL PERMIT REGISTRATION FORM

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2011 MAY 27 PM 1:14
FINANCIAL RECORDS
REVENUE

Part II. Notification to Permitting Office
(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

0251248-002

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): _____
- No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Vulcan Materials Company, Florida Rock Division

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Miami Quarry

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 13100 W. 41st Street

City: Miami

County: Miami-Dade

Zip Code: 33182

Facility Start-Up Date (Estimated start-up date of proposed new facility.) (N/A for existing facility)

N/A

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Gail Ridgeway / Environmental Manager

Owner/Authorized Representative Mailing Address

Organization/Firm: Vulcan Materials Company, Florida Rock Division

Street Address: 12201 NW 25th Street

City: Miami

County: Miami-Dade

Zip Code: 33182

Owner/Authorized Representative Telephone Numbers

Telephone: (305) 592-4100 x 6

Fax: (305) 592-8576

Cell phone (optional): (786) 367-4819

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: Kenny Knowles / Plant Manager

Facility Contact Mailing Address

Organization/Firm: Vulcan Materials Company, Florida Rock Division

Street Address: 12201 NW 25th Street

City: Miami

County: Miami-Dade

Zip Code: 33182

Facility Contact Telephone Numbers

Telephone: 305-592-4100

Fax: 305-592-8576

Cell phone (optional):

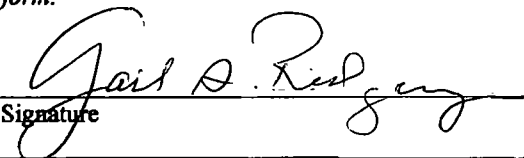
Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.

Signature



Date

5/26/2011

Type of Facility

Check one:

Stationary Facility

Relocatable Facility

Type(s) of Precautions Used to Prevent Unconfined Emissions

Check all that apply for the management of roads, parking areas, stock piles and yards:

Maintain Roads/Parking/Yards

Use Water Application

Use Dust Suppressant

Remove Particulate Matter

Reduce Stock Pile Height

Install Wind Breaks

Check the location of spray bars at the nonmetallic mineral processing plant:

Feeders

Entrance to "Crusher"

Exit of "Crusher"

Classifier Screens

Conveyor Drop Points

Description of Reasonable Precautions

Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility.

Vulcan Materials Company, Florida Rock Division (FRI) Miami Quarry processes limestone from onsite natural deposits. FRI incorporates various methods to reduce and prevent the release of unconfined particles. Draglines extract the raw material or saturated limestone "rock" from below the quarry water table. The wet rock is transferred by truck to the primary crusher for processing and then transported via covered conveyor belts to the new plant where the wet rock is processed into various products.

All screening operations at the facility utilize water sprayers continuously during operation. Numerous loading points within the facility utilize baghouses to contain and recycle product during load-out operations. Unconfined emissions generated by vehicular traffic or wind is controlled by applying water from water trucks equipped with spray bars on a regular basis to all stockpiles, roadways, and work yards where the nonmetallic mineral processing plant is located

Description of Facility

Below, or as an attachment to this form, provide a description of the nonmetallic mineral processing operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

The Miami Quarry is adding a radial stacker to its existing operations. A description and the specifications are as follows:

Description: Portable 42" telescoping radial stacker that operates on 480V of electric will be used to convey and stack crushed limestone.

Dimensions: 136" length x 42" width

Mfg. Date: December 2002

FRI processes approximately 10 million tons of limestone a year at the Miami Quarry. FRI also operates a concrete batch plant and concrete block plant onsite, under a separate air permit. No other products are processed at this facility. The limestone processing facility operates 24 hour a day, 365 days per year.

See attached Table 1 - Equipment List for a list of the equipment at the Miami Quarry.

Table 1 - Equipment List and Emission Points						
Vulcan Materials Company, Florida Rock Division; Miami Quarry						
Emission Point	Manuf.	Date of	Serial No./	Size	Subject to	
Description		Manuf.	Identifier		40 CFR 60, Subpart 000	
Primary Crusher	EU001	PT #1	✓1999	Hazemag 1615	700 tph	Yes
Secondary	EU001	PT #12	✓2006	E. Horiz. Shaft	350 tph	Yes
Crushers	EU001	PT #2	✓2006	W. Hazemag 1315	350 tph	Yes
Tertiary	EU001	PT #13	✓2006	E. Horiz. Shaft	200 tph	Yes
Crushers	EU001	PT #3	✓2006	W. Hazemag 1315	200 tph	Yes
Screening	EU001	PT #4	✓2006	Primary grizzly feeder	1500 tph	Yes
Operations	EU003	PT #1	✓2006	Screen #1	8' x 24' TD	Yes
	EU003	PT #2	✓2006	Screen #2	8' x 24' TD	Yes
	EU003	PT #3	✓2006	Screen #3	8' x 24' TD	Yes
	EU003	PT #4	✓2006	Screen #4	8' x 24' TD	Yes
	EU003	PT #5	✓2006	Screen #5	8' x 24' TD	Yes
	EU003	PT #7	✓2006	Screen #6	10' x 24' TD	Yes
	EU003	PT #8	✓2006	Screen #7	10' x 24' TD	Yes
	EU003	PT #6	✓2006	Screen #8	6' x 20' SD	Yes
Belt Conveyor	EU001	PT #35	✓2002	Radial Stacker	42" x 136"	Yes
"	"	PT #5	✓2006	Under belt	42" x 25'	Yes
"	"	PT #6	✓2006	Stacker belt	42" x 125'	Yes
"	"	PT #14	✓2006	C1	42" x 5280'	Yes
"	"	PT #15	✓2006	C2	42" x 1000'	Yes
"	"	PT #17	✓2006	C3A	42" x 150'	Yes
"	"	PT #16	✓2006	C3B	42" x 150' RS	Yes
"	"	PT #17	✓2006	C4	48" x 40' FC	Yes
"	"	PT #18	✓2006	C5	42" x 216'	Yes
"	"	PT #19	✓2006	C6	42" x 266'	Yes
"	"	PT #20	✓2006	C8	36" x 139'	Yes
"	"	PT #21	✓2006	C9	36" x 281'	Yes
"	"	PT #8	✓2006	C10	42" x 266'	Yes
"	"	PT #9	✓2006	C12	36" x 139'	Yes
"	"	PT #22	✓2006	C13	36" x 281'	Yes
"	"	PT #10	✓2006	C14	36" x 308'	Yes
"	"	PT #36	✓2006	C15	36" x 124'	Yes
"	"	PT #37	✓2006	C16	36" x 125' RS (4' S)	Yes
EU001	"	PT #23	✓2006	C17	36" x 124'	Yes
"	"	PT #24	✓2006	C18 (4' S, 67' S, Rice Rock)	36" x 125' RS	Yes
"	"	PT #25	✓2006	C19	42" x 50'	Yes
"	"	PT #26	✓2006	C20	42" x 252'	Yes
"	"	PT #27	✓2006	C21 (57' s)	42" x 200' RS	Yes
"	"	PT #38	✓2006	C22	30" x 118'	Yes
"	"	PT #39	2006	C23 (S1B' s)	30" x 125' RS	Yes
EU001	"	PT #28	✓2006	C24	30" x 116'	Yes
"	"	PT #29	✓2006	C25 (89' s)	30" x 125' RS	Yes

Table 1 - Equipment List and Emission Points					
Vulcan Materials Company, Florida Rock Division; Miami Quarry					
Emission Point	Manuf.	Date of	Serial No./	Size	Subject to
Description		Manuf.	Identifier		40 CFR 60, Subpart 000
Belt Conveyor (Cont.) EU 001	Pr # 30	✓ 2006	C26 (Rice Rock/Block Screening)	36" x 125' RS	Yes
"	Pr # 31	✓ 2006	C27 (Concrete Sand)	36" x 125' RS	Yes
"	Pr # 32	✓ 2006	C28 (Asphalt Sand/272/255)	36" x 125' RS	Yes
"	Pr # 40	✓ 2006	C29	60" x 30' FC	Yes
"	Pr # 41	✓ 2006	C30	54" x 124'	Yes
"	Pr # 42	✓ 2006	C31/railcar	54" x 80'	Yes
"	Pr # 43	✓ 2006	C32	54" x 490'	Yes
"	Pr # 44	✓ 2006	C33/railcar	54' x 113'	Yes
Storage Bin EU 001	Pr # 11	✓ 2006	Surge Bin	750 ton	Yes
"	Pr # 33	✓ 2006	Surge Hopper	1350 ton	Yes
"	Pr # 34	✓ 2006	Double Feed Hopper	2430 ton	Yes
Grinding Mills	None				
Bucket Elevators	None				
Bagging Operations	None				
Enclosed Truck or EU 003	None	Pr # 9	✓ 2006	South Rail	100 ton/car Yes
Railcar Loading 10	Pr # 10	✓ 2006	✓ 2006	North Rail	100 ton/car Yes
Station					
Crusher Engines	None				
Auxiliary Generator	None				
Additional Equipment (Non-Air Polluting)					
					Subject to
Description					40 CFR 60, Subpart 000
V.P.F. to E. Sec. Crusher					NO
V.P.F. to W. Sec. Crusher					NO
V.P.F. from E. Ter. to C14					NO
V.P.F. from West Ter. to C14					NO
V.P.F. to C6					NO
V.P.F. to C10					NO
Slurry System 1/3 Pump - 10x12-32 Centrifugal					NO
Slurry System 2/4 Pump - 10x12 - 32 Centrifugal					NO
Slurry System 5 Pump - 6x6-25 Centrifugal					NO
Slurry System 6 Pump 8x10 - 32 Centrifugal					NO
Slurry System 7 Pump - 8x10 - Centrifugal					NO
Clamshell Gate #1 and BACO Actuator in Reclaim Tunnel					NO
Clamshell Gate #2 and RACO Actuator in Reclaim Tunnel					NO
Clamshell Gate #3 and RACO Actuator in Reclaim Tunnel					NO
30-inch Hydrocyclone for Slurry System 6					NO
Additional Equipment (Non-Air Polluting) (Cont.)					

Table 1 - Equipment List and Emission Points					
Vulcan Materials Company, Florida Rock Division; Miami Quarry					
Emission Point Description	Manuf.	Date of Manuf.	Serial No./ Identifier	Size	Subject to 40 CFR 60, Subpart 000
30-inch Hycirocyclone for Slurry System 7					NO
Classifying Tank #1- E 12' x 48' Four Cell Tank					NO
Classifying Tank #2 - LIW 12' a 48' Four Cell Tank					NO
White Fill Hydrocyclone Slurry Pump 12x14-36 centrifugal					NO
#1 Process Pump - 12" 2 Stage Pump VST					NO
#2 Process Pump - 12" 2 Stage Pump VST					NO
#3 Process Pump - 12" 2 Stage Pump VST					NO
#4 Process Pump - 12" 2 stage Pump VST					NO
#5 Pad Flush Water Pump - 12" 2 Stage Pump VST					NO
36" Hydrocyclone #1, White Fill System					NO
36" Hydrocyclone #2, White Fill System					NO
36" Hydrocyclone #3, White Fill System					NO
Symons Diverter w/ RACO Actuator, Conveyor 3A/3B					NO
Sand Screw - EIW 44" x 32' DSFM Washer					NO
Sand Screw - EIW 54" x 34' DSFM Washer					NO
Sand Screw - EIW 54" z 34' DSFM Washer					NO
Abbreviations:					
C = Conveyor			SD = Single Deck Screen		
E. = East			Ter. = Tertiary		
FC = Feeder Conveyor			TD = Triple Deck Screen		
RS = Radial Stacker Conveyor			V.P.F. = Vibrating Pan Feeder		
Sec. = Secondary			W. = West		
Note: NO = Sources not subject to 40 CFR 60, Subpart 000					
YES = Subject to 40 CFR 60, Subpart 000					

187-11-12
May 25, 2011



4014 NW 13th STREET
GAINESVILLE, FL 32609-1923
352/377-5822 ▪ FAX/377-7158

Mr. Dickson Dibble
Florida Department of Environmental Protection
Receipts
PO Box 3070
Tallahassee, Florida 32315-3070

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2011 MAY 27 PM 1:12
FINANCE & ACCOUNTING
REVENUE

**Re: Facility No. 0251248 - Air General Permit Registration
Vulcan Materials Company, Florida Rock Division
Addition of Radial Stacking Conveyor to Miami Quarry**

Dear Mr. Dibble:

Please find enclosed an Air General Permit Registration for the above referenced facility. In accordance with Rule 62-4.050, FAC, a **\$100** processing fee is enclosed.

Please provide written confirmation of the coverage under the Air General Permit to Kogler and Associates, Inc.

Thank you for your assistance. If you require additional information or have any questions regarding this permit registration, please contact me at 352.377.5822 or treed@kooglerassociates.com.

Best regards,
Kogler and Associates, Inc.

Tammy L. Reed
Environmental Scientist

Enclosure

/tlr