

**NONMETALLIC MINERAL PROCESSING PLANT (CRUSHER)  
AIR GENERAL PERMIT EXAMPLE REGISTRATION WORKSHEET**

**Facility Identification Number - If known (seven digit number)**

1230046

1230046 - 007

**Registration Type**

Check one:

**INITIAL REGISTRATION** - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing permitted 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). 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. (See "Surrender of Existing Air Operation Permit(s)" below.)
- Operates an existing facility not currently permitted or using 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.
- 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 Applicable**

All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

N/A

**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.)

**Martin Marietta Materials, Inc.**

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

**Perry Quarry**

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

Street Address: **22550 Nutall Rise Road**

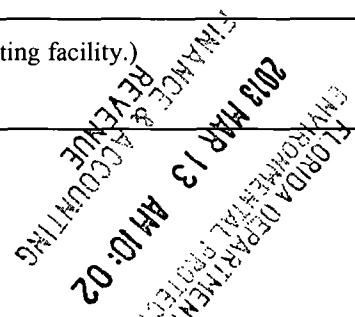
City: **Lamont**

County: **Taylor**

Zip Code: **32347**

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

N/A



**Facility Contact**

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

Print Name and Title: **Kenneth Johnson, Plant Manager**

Facility Contact Telephone Numbers

Telephone: **850-584-6461**

Fax: **850-584-6799**

Cell phone: \_\_\_\_\_

E-mail: **Ken.Johnson@martinmarietta.com**

Facility Contact Mailing Address

Organization/Firm: **Martin Marietta Materials, Inc.**

Mailing Address: **22550 Nutall Rise Road**

City: **Lamont**

County: **Taylor**

Zip Code: **32347**

**Other Contact/Representative (to serve as additional Department contact)**

Name and Position Title

Print Name and Title: **Chris Wilson, Sr. Environmental Engineer**

**[and Tammy Reed – Consultant - Environmental Scientist – Koogler and Associates, Inc. ; 352-377-5822; treed@kooglerassociates.com]**

Other Contact/Representative Telephone Numbers

Telephone: **904-414-8837**

Fax: \_\_\_\_\_

Cell phone: **706-833-6111**

E-mail: **Chris.Wilson@martinmarietta.com**

Other Contact/Representative Mailing Address

Organization/Firm: **Martin Marietta Materials, Inc.**

Mailing Address: **13350 International Parkway, Suite 100**

City: **Jacksonville**

County: **Duval**

Zip Code: **32218**

**Government Facility Code (check only one)**

- Facility not owned or operated by a federal, state, or local government.
- Facility owned or operated by the federal government.
- Facility owned or operated by the state.
- Facility owned or operated by the county.
- Facility owned or operated by the municipality.
- Facility owned or operated by a water management district.

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**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

**Emission Unit Details**

COMPONENT DESCRIPTION (e.g. primary, secondary crusher, screener, conveyor, RICE* engine and fuel type, etc.)	MANUFACTURER	DATE OF MANUFACTURE	MODEL NUMBER	SERIAL NUMBER	RATED CAPACITY (tons/hr, hp)	SUBJECT TO 40 CFR, PART 60, SUBPART OOO (Yes or No)**
Primary Crusher (CR-1)	CEDAR RAPIDS	1996	3042	17920	600 TPH	YES
Conv. No. C-1	--	After 1983 – before 2008	--	37533	42" x 143'	YES
Conv. No. C-2	--	After 1983 – before 2008	--	18054	42" x 257'	YES
Screen No. 1	DEISTER	2002	--	53982	6' x 16'- 3D	YES
Impact Crusher (CR-4)	HAZEMAG	2001	1620KH	17922	600 TPH	YES
Conv. No. C-3	--	After 1983 – before 2008	--	18033	36" x 60'	YES
Conv. No. C-4	--	After 1983 – before 2008	--	18043	36" x 118'	YES
Hopper	--	After 1983 – before 2008	--	17916	50 ton	YES
Conv. No. C-5	--	After 1983 – before 2008	--	18035	36" x 62'	YES
Conv. No. C-6	--	After 1983 – before 2008	--	18032	36" x 110'	YES
Feeder (F-2)	--	After 1983 – before 2008	Surge feeder	108692	48" x 17'	YES
Conv. No. C-9	--	After 1983 – before 2008	--	12575	30" x 290'	YES
Conv. No. C-10	--	After 1983 – before 2008	--	18041	30' x 300'	YES
Conv. No. C-11	--	After 1983 – before 2008	--	18040	36" x 150'	YES
Screen No. 2	DEISTER	1998	--	140736	7' x 20' 2D	YES
Conv. No. C-16	--	After 1983 – before 2008	--	18056	36" x 100'	YES

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Conv. No. C-17	--	After 1983 – before 2008	--	18057	36" x 250'	YES
Wet Screen (S-3)	DEISTER #3	2010	--	109799	7' x 20' x 3D	YES
Single screw washer	--	After 1983 – before 2008	--	N/A	36" x 20'	NO <sup>1</sup>
Conv. No. C-20	--	After 1983 – before 2008	--	18037	24" x 80'	NO <sup>1</sup>
Conv. No. C-18	--	After 1983 – before 2008	--	18029	24" x 100'	NO <sup>1</sup>
Conv. No. C-19	--	After 1983 – before 2008	--	18030	24" x 100'	NO <sup>1</sup>
Classifying Tank (CF-1)	EAGLE	2000	--	17948	--	NO <sup>1</sup>
Double screw washer	MCLANAHAN	1997	--	17947	44" x 33'	NO <sup>1</sup>
Conv. No. C-24	--	After 1983 – before 2008	--	18046	30" x 290'	NO <sup>1</sup>
Crusher #2	SYMONS	1960	4' 1/4	1614	--	YES
Conv. No. C-12	--	Unknown - likely prior to 1983, but-for permit purposes, assume after 1983 – before 2008	--	18056	36" x 30'	YES
Conv. No. C-13	--	Unknown - likely prior to 1983, but-for permit purposes, assume after 1983 – before 2008	--	18057	36" x 88'	YES
Conv. No. C-15	--	After 1983 – before 2008	--	18039	24" x 75'	YES
Conv. No. 2A	--	After 1983 – before 2008	--	18055	36" x 125'	YES
Conv. No. C-5	--	After 1983 – before 2008	--	74425	36" x 40'	YES
Conv. No. C-7	--	After 1983 – before 2008	--	18051	36" x 60'	YES
Conv. No. C-8	--	After 1983 – before 2008	--	67606	36" x 100'	YES
Hopper (at Portable Power Screen)	--	After 1983 – before 2008	--	--	--	YES
Portable Power Screen	--	After 1983 – before 2008	--	--	--	YES
Conv. No. C-23	--	After 1983 – before 2008	--	--	30" x 75'	YES
Power Screen	--	After 1983 – before 2008	--	--	5' x 10'	YES
Conv. No. C-24	--	After 1983 – before 2008	--	--	30" x 75'	YES

<sup>1</sup> This equipment is downstream of a wet process

\*RICE: Reciprocating Internal Combustion Engine

\*\*NMMP Facilities subject to Subpart OOO:

Stationary sand and gravel plants with a machine (or a maximum) rated capacity greater than 150 tons per hour

Portable sand and gravel plants with a machine (or a maximum) rated capacity greater than 25 tons per hour

Clay and pumice plants with a machine (or a maximum) rated capacity greater than 10 tons per hour

## Description of Facility

Below, or as an attachment to this worksheet, provide a description of the nonmetallic mineral processing plant 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 material(s) processed, all air pollutant-emitting processes, and identify any air pollution control measures used. Mobile source equipment information is not needed (eg.: trucks, bulldozers, front-end loaders, etc.)

**The facility meets the Eligibility Requirements specified in Rule 62-210.310(2), F.A.C.  
The facility meets the fuel usage requirements specified in Rule 62-210.310(5)(e), F.A.C  
Visible emissions were last conducted at the Facility in November 2012.**

**Emission points, and those subject to and not subject to, CFR 40, Chapter 60, Subpart 000 were identified, reviewed, and confirmed with Raymond Barata of the FDEP NE District on March 7, 2013 and are depicted on the Process Flow diagram (Attachment 1) and listed in the Emission Unit Details on this application.**

**Marine limestone deposit is wet mined at a maximum depth of fifty feet utilizing draglines. Material is transported by off-road trucks to the crushing and screening facility for processing. On average, the maximum rate of the processing plant is 600 TPH.**

**Haul road and stockpiles fugitive emissions are controlled by use of a water truck, as needed. Material processed through the plant operation enters the system with a moisture content in the range of 6 to 10%, which is significant enough to serve as carry-over for dust suppression.**

## Helpful Definitions:

**"Capacity"** – Per 40 CFR 60.671, the cumulative rated capacity of all initial crushers that are part of the plant.

**"Department" or "DEP"** - The State of Florida Department of Environmental Protection.

**"Emissions Unit"** - Any part or activity of a facility that emits or has the potential to emit any air pollutant.

**"Facility"** - All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).

**"Owner" or "Operator"** - Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.

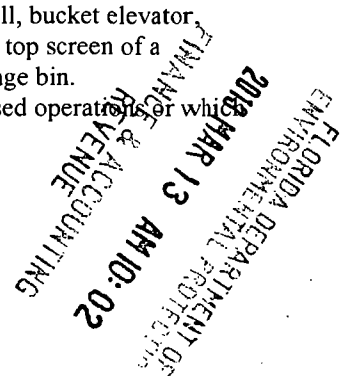
**"Nonmetallic Mineral Processing Plant"** – Per 40 CFR 60.671, any combination of equipment that is used to crush or grind any nonmetallic mineral wherever located, including lime plants, power plants, steel mills, asphalt concrete plants, portland cement plants or any other facility processing nonmetallic minerals except as provided in 40 CFR §60.670 (b) and (c).

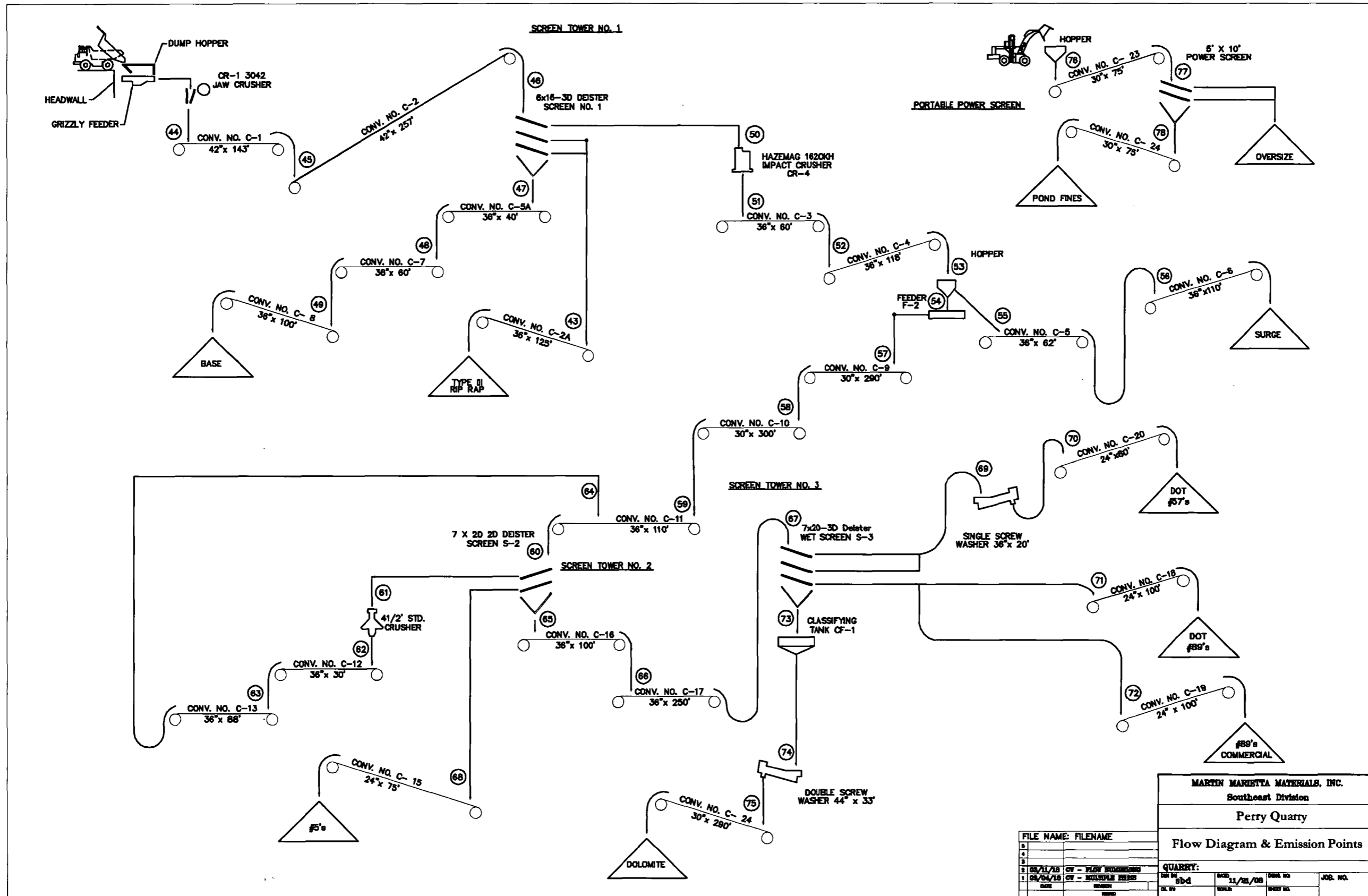
**"Relocatable Facility"** - A facility such as, but not limited to, an asphalt plant, portable power generator, or relocatable nonmetallic mineral processing plant, which is designed to be physically moved to, and operated on, different sites by being wholly or partially dismantled and re-erected in essentially the same configuration. It shall not be operable while in transit.

**"Screening Operation"** – Per 40 CFR 60.671, a device for separating material according to size by passing undersize material through one or more mesh surfaces (screens) in series and retaining oversize material on the mesh surfaces (screens). Grizzly feeders associated with truck dumping and static (non-moving) grizzlies used anywhere in the nonmetallic mineral processing plant are not considered to be screening operations.

**"Size"** – Per 40 CFR 60.671, the rated capacity in tons per hour of a crusher, grinding mill, bucket elevator bagging operation, or enclosed truck or railcar loading station; the total surface area of the top screen of a screening operation; the width of a conveyor belt; and the rated capacity in tons of a storage bin.

**"Unconfined Emissions"** - Emissions which escape and become airborne from unenclosed operations for which are emitted into the atmosphere without being conducted through a stack.





MARTIN MARIETTA MATERIALS, INC.  
 Southeast Division  
 Perry Quarry

Flow Diagram & Emission Points

FILE NAME:	FILENAME
1	08/11/15
2	08/04/15

QUARRY:	DATE:	BY:	JOB NO.
8bd	11/21/08		

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 FINANCE & ACCOUNTING

428-13-02  
March 12, 2013



Sent via email: Douglas.Thornton@dep.state.fl.us and Fed-Ex

Mr. Douglas Thornton  
Florida Department of Environmental Protection – Receipts  
3800 Commonwealth Blvd, MS-77  
Tallahassee, Florida 32399

Re: Martin Marietta Materials, Inc. – Perry Quarry  
Lamont, Taylor County, Florida  
Renewal of 1230046-006-AG

Dear Mr. Thornton:

Please find enclosed an Air General Permit Worksheet and supporting attachments for the above referenced facility. In accordance with Rule 62-4.050, FAC, a **\$100** processing fee is enclosed. The worksheet requests renewal of 1230046-006-AG, which expires on April 17, 2013.

Please provide written confirmation of the coverage under the Air General Permit to [treed@kooglerassociates.com](mailto:treed@kooglerassociates.com).

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

Best Regards,

Tammy Reed  
Environmental Scientist

Enclosure

Cc: Chris Wilson – Martin Marietta Materials, Inc. (Email)  
Kenneth Johnson – Martin Marietta Materials, Inc. (Email)

/t/r

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