

RECEIVED

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

AUG 10 2011  
BUREAU OF  
AIR REGULATION

Facility Identification Number - If known (seven digit number)

0250376

0250376-010

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):

0250376-007-AGM

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.)  
CEMEX Construction Materials Florida, LLC

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.)  
Card Sound Mine

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

Street Address: 15900 SW 408<sup>th</sup> ST

City: Florida City

County: Miami-Dade

Zip Code: 33034

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

N/A

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
2011 AUG - 9 AM 9:35  
REGISTRATION

**Facility Contact**

<u>Name and Position Title</u> (Plant manager or person to be contacted regarding day-to-day operations at the facility.) Print Name and Title: <u>Devon Coppock, Environmental Manager</u>		
<u>Facility Contact Telephone Numbers</u> Telephone: <u>305-818-4955</u> Fax: <u>350-818-4948</u> Cell phone: _____ E-mail: <u>dcoppock@cemexusa.com</u>		
<u>Facility Contact Mailing Address</u> Organization/Firm: <u>CEMEX Construction Materials Florida, LLC</u> Mailing Address: <u>13292 NW 118<sup>th</sup> AVE</u> City: <u>Miami</u> County: <u>Miami-Dade</u> Zip Code: <u>33178</u>		

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

<u>Name and Position Title</u> Print Name and Title: _____		
<u>Other Contact/Representative Telephone Numbers</u> Telephone: _____ Fax: _____ Cell phone: _____ E-mail: _____		
<u>Other Contact/Representative Mailing Address</u> Organization/Firm: _____ Mailing Address: _____ City: _____ County: _____ Zip Code: _____		

FLORIDA DEPARTMENT OF  
2011 AUG -9 AM 9:35  
FINANCIAL ACCOUNTING  
REVENUE

**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**

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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)
Primary Crusher	Universal	1993	4560	537X247	500 TPH
Secondary Crusher	Universal	1982	7295	N/A	150 TPH
Tertiary Crusher	ISC	1996	77VSI	N/A	300 TPH
Screening Operations	Deister	1995	N/A	6X20	120 SQ FT
Screening Operations	Deister	1995	N/A	6X16	96 SQ FT
Screening Operations	HI Robbins	1996	N/A	8X14	192 SQ FT
Storage Bin / Hopper	Universal Crusher Hopper	1993	N/A	10X21	210 SQ FT
Storage Bin / Hopper	In House Feed Hopper	1982	N/A	22X14	308 SQ FT
Storage Bin / Hopper	Universal Feed Hopper	1982	N/A	8X24	192 SQ FT
Crusher Engine	Cummins	1985	KTTA-19	N/A	570 HP
Belt Conveyor(s)	In House	1994	N/A	Return	30 IN
Belt Conveyor(s)	In House	1992	N/A	Belt	30 IN
Belt Conveyor(s)	Universal	1993	N/A	Delivery	48 IN
Belt Conveyor(s)	Universal	1993	N/A	Wobbler	48 IN
Belt Conveyor(s)	Universal	1993	N/A	Swivel	48 IN
Belt Conveyor(s)	In House	1982	N/A	Feed	42 IN
Belt Conveyor(s)	In House	1982	N/A	Mason	24 IN
Belt Conveyor(s)	In House	1982	N/A	Sand	24 IN
Belt Conveyor(s)	In House	1982	N/A	#16 Belt	24 IN
Belt Conveyor(s)	In House	1982	N/A	#9 Belt	30 IN
Belt Conveyor(s)	In House	1982	N/A	DFR Belt	24 IN
Belt Conveyor(s)	In House	1982	N/A	Transfer	30 IN

\*RICE: Reciprocating Internal Combustion Engine

FLORIDA DEPARTMENT OF  
 REVENUE  
 2011 AUG -9 AM 9:35



August 8, 2011

Via FedEx # 8748 2140 9745

Mr. Dickson Dribble  
Department of Environmental Protection  
3800 Commonwealth Blvd.  
Mail Station 77  
Tallahassee, FL 32399

Re: Cemex Card Sound Mine  
Air Permit # 0250376-007-AGM  
Permit Renewal

FLORIDA DEPARTMENT OF  
REVENUE  
2011 AUG -9 AM 9:35  
FINANCE & ACCOUNTING

Dear Mr. Dribble,

Attached is the nonmetallic mineral processing plant air general permit registration for the renewal of the Cemex Card Sound Mine Air General Permit referenced above.

In addition to this registration a check (no. 22230268) for the registration processing fee in the amount of \$100.00 is being submitted.

Please feel free to contact me by email at [dcoppock@cemexusa.com](mailto:dcoppock@cemexusa.com) or phone at 305-818-4955 should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'D - Coppock'.

Devon Coppock  
Environmental Manager  
CEMEX Construction Materials Florida, LLC

FEC Quarry  
13292 NW 118<sup>th</sup> Avenue  
Miami, Florida 33178  
305-821-5661

### Description of Facility

Below, or as an attachment to this form, 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.)

Rock crushing mining operation processing 1.2 million tons of crushed stone yearly.

Hours of operation are 13 hours per day, 5 day per week, 52 weeks per year.

Daily processing rate is 5,850 tons.

Facility is primarily a wet process.

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
2011 AUG -9 AM 9:36  
FINANCIAL REVENUE  
LICENSING

### 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 or which are emitted into the atmosphere without being conducted through a stack.