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

DIVISION OF AIR
RESOURCE MANAGEMENT

Facility Identification Number - If known (seven digit number)

7775391

7775391-002

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.)

SDI Quarry, 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.)

SDI Quarry, Inc.

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

Street Address: 16100 SW 365th Street

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
2012 FEB 17 PM 2:43
FINANCE & ACCOUNTING
REVENUE

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.)

See Attachment A

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.

Attachment A

Existing Equipment on Active Permit

Mined aggregate with a high moisture content is initially deposited by haul trucks at a rate of approximately 300 tons per hour into a nine foot by eleven foot custom fabricated electrically driven unloading hopper. The aggregate is then fed by conveyor at a variable controlled rate to a portable electrically driven Nordberg classifying shaker/screen unit. All optimally sized aggregate which passes through the Nordberg unit is fed by conveyor to a portable electrically driven Wash Master shaker/classifying unit. All remaining overflow aggregate from the Nordberg unit is then redirected by conveyor to an electrically driven Trio Model TV-95 Verticle Shaft Impact Crusher, serial number 205, for further processing.

Aggregate material leaving the Trio VSI Crusher is then redirected by conveyor to the conveyor feeding the Wash Master unit. Aggregate material entering the Wash Master unit is sprayed by water at the initial entry point to wash off excess sediments. Aggregate material leaving the Wash Master unit is then redirected by conveyor to one 100 foot long sand conveyor/stacking unit with a discharge capacity of approximately 45 tons per hour, and three other 100 foot long conveyor/stacking units with discharge capacities of approximately 85 tons per hour each. Please note that since all aggregate material inputted into the plant has a continuous high moisture content, all visible air emissions are thereby eliminated.

One each Metso LT-1110 portable crusher, with diesel fuel consumption rate of approximately 7.6 gals/ph. Note:
finished crushed aggregate output product approximately 3.5 " in diameter will be feed into exiting aggregate processing plant for further processing of various aggregate products.

One each Metso LT-1213 portable crusher, with diesel fuel consumption rate of approximately 15.1 gals/ph. Note:
finished crushed aggregate output product approximately 3.5" in diameter will be feed into existing aggregate processing plant for further processing of various aggregate products.



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