

Nov 28 2011

NOV 30 2011

DIVISION OF AIR RESOURCE MANAGEMENT

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

Facility Identification Number - If known (seven digit number)

1270188

1270188-002

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...
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):

NA

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.)

GEL C&D Landfill and Recycling Facility

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.)

Same

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

Street Address: 1200 S. Leavitt Ave.

City: Orange City

County: Volusia

Zip Code: 32763 - 7114

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

NA

**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: Milton E. Evans, III (Trea), Plant Manager

Facility Contact Telephone Numbers

Telephone: 386-775-5385

Fax: 386-775-0355

Cell phone: 386-804-5007

E-mail: trea@gelrecycling.com

Facility Contact Mailing Address

Organization/Firm: GEL Corporation

Mailing Address: 1200 S. Leavitt Ave.

City: Orange City

County: Volusia

Zip Code: 32763 -7114

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

Name and Position Title

Print Name and Title: Jon C. McGrath, General Manager

Other Contact/Representative Telephone Numbers

Telephone: 386-775-5385

Fax: 386-775-0355

Cell phone: 386-527-3268

E-mail: jmcgrath@gelrecycling.com

Other Contact/Representative Mailing Address

Organization/Firm: GEL Corporation

Mailing Address: 1200 S. Leavitt Ave.

City: Orange City

County: Volusia

Zip Code: 32763 -7114

**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.

**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	Eagle Crusher Co. - Bohringer	1987	Jumbo 1200 - RC-12	10501	70 TPH 200 HP	No
Screening Operations	Eagle Crusher Co.	1987	Jumbo 1200	10501	80 Ft <sup>3</sup>	No
Main Feed Belt	Eagle Crusher Co.	1987	Jumbo 1200	10501	42 in.	No
Fines Belt	Eagle Crusher Co.	1987	Jumbo 1200	10501	42 in.	No
3 Stack Belts	Eagle Crusher Co.	1987	Jumbo 1200	10501	18-24 in	No

\*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 type of materials accepted at the facility is mostly concrete. The following sequence of processing is employed by the facility:

- The above material is brought into the facility in trucks and roll off containers. Most of the material is from demolition and construction companies and most of the material is already broken up.
- Loaded incoming trucks and roll off trucks pass over the drive on truck scales and are weighed.
- The incoming loads are deposited in stockpiles based on the specific unprocessed materials.
- Material too large to fit into the crusher is broken into smaller pieces by an excavator.
- The material is then placed by a front-end loader onto conveyor belts which convey it up and drop it into the crusher.
- The crushed materials then are taken by the front-end loader to the three designated stockpiles based on the size of the material, i.e., #4 rock, pea gravel and road base material.
- The loaded roll off containers then cross the scales where they are weighed prior to exiting the facility.

### 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.

# NONMETALLIC MINERAL PROCESSING PLANTS (CRUSHERS)

## Air General Permit Example Registration Worksheet

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NOV 30 2011

The Department of Environmental Protection ("Department" or "DEP") has established an "air general permit" at Florida Administrative Code ("F.A.C.") Rule 62-210.310(5)(e) for nonmetallic mineral processing plants. An air general permit is an authorization by rule to construct or operate a specific type of air pollutant emitting facility. Use of such authorization by any individual facility does not require action by the Department. The terms and conditions of the air general permit are set forth in the rule, rather than in a separately issued air construction or air operation permit.

If you are the owner or operator of an eligible facility comprising one or more nonmetallic mineral processing plants, you may register to use the air general permit at Rule 62-210.310(5)(e), F.A.C., by following the general procedures given at subsections 62-210.310(2) and 62-210.310(3), F.A.C. To register, use the Department's electronic registration system (currently under development) or submit all the information specified in the above rules to either of the following addresses, along with the air general permit registration processing fee (\$100.00), payable to FDEP.

### Regular USPS Mail Delivery

Department of Environmental Protection  
Receipts  
Post Office Box 3070  
Tallahassee, Florida 32315-3070

or

### Overnight Delivery (FedEx, UPS, DHL, etc.)

Department of Environmental Protection  
3800 Commonwealth Blvd.  
Mail Station 77  
Tallahassee, Florida 32399

If you properly register to use an air general permit, and are not denied use of the air general permit by the Department, you are authorized to construct and operate the facility in accordance with the general terms and conditions of Rule 62-210.310, F.A.C., and the specific terms and conditions of Rule 62-210.310(5)(e), F.A.C. Your facility may vary, so be sure your registration describes the operations at your facility in sufficient detail to demonstrate the facility's eligibility for use of the air general permit and to provide a basis for tracking any future equipment or process changes. Your registration should describe all air pollutant-emitting processes and equipment at the facility, and it should identify any air pollution control measures or equipment used.

The rules do not require any specific format for the registration. This worksheet, however, has been designed to assist owners and operators. Using it as a template for a general permit registration will help ensure that all necessary information is submitted.

Additional information can be found on the Department's air general permit program website ([http://www.floridadep.org/air/emission/air\\_gp.htm](http://www.floridadep.org/air/emission/air_gp.htm)) or by calling the Small Business Environmental Assistance Program Hotline at 1-800-SBAP-HLP (1-800-722-7457).

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DIVISION OF AIR  
RESOURCE MANAGEMENT

GEL Corp  
1200 S. Leavitt Ave.  
Orange City, FL 32763



November 18, 2011

Department of Environmental Protection  
Receipts  
Post Office Box 3070  
Tallahassee, FL 32315-3070

Subject: **Air General Permit Registration Worksheet  
Nonmetallic Mineral Processing Plants  
GEL Recycling, Orange City, FL**

Dear Sir/Madam:

Enclosed is the subject AG Permit Registration Worksheet for Nonmetallic Mineral Processing Plants. The facility currently exists and this application is for a renewal permit. Also, enclosed is a check made out to FDEP in the amount of \$100.00 as required for the processing fee.

Please call me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Jon McGrath", written over a white background.

Jon McGrath  
General Manager

Attachment

cc: George L. Whitmer - Whitmer Environmental Services, Inc.

Gel Co



1200 S. Wawitt Ave  
Orange City, FL  
32763



Dept of Environment  
Receipts  
P.O. Box 3070  
Tallahassee, FL 3