

MAR 28 2012

NONMETALLIC MINERAL PROCESSING (NMMP) PLANT (CRUSHER) DIVISION OF AIR RESOURCE MANAGEMENT
AIR GENERAL PERMIT REGISTRATION INFORMATION
March 2012

Facility Identification Number (If known)

0170363-002-AG: Re-registration of this permit (expires 03/19/2012) for 5-yr renewal.

Registration Type

0170363-003

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., 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 Applicable - N/A

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

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.)

Crystal River Quarries 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.)

Lecanto Mine

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

Street Address: 2961 S. Lecanto Hwy.

City: Lecanto

County: Citrus

Zip Code: 34461 -9022

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

N/A

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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: Frank J. Colitz, President		
<u>Facility Contact Telephone Numbers</u> Telephone: (352) 795-2828 Fax: (352) 795-2409 Cell phone: E-mail: crq@infionline.net		
<u>Facility Contact Mailing Address</u> Organization/Firm: Crystal River Quarries, Inc. Street Address: P.O. Box 216 City: Lecanto CRYSTAL RIVER County: Citrus Zip Code: 34423		

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

<u>Name and Position Title</u> Print Name and Title: Mr. Lynn Robinson, P.E., Permitting Manager		
<u>Other Contact/Representative Telephone Numbers</u> Telephone: (813) 752-5014 Fax: (813) 752-2475 Cell phone: (813) 957-8804 E-mail: lrobinson@sesfla.com		
<u>Other Contact/Representative Representative Mailing Address</u> Organization/Firm: Southern Environmental Sciences, Inc. Street Address: 1204 North Wheeler Street City: Plant City County: FL Zip Code: 33563		

Type of Facility

Check one: <input checked="" type="checkbox"/> Stationary Facility <input type="checkbox"/> 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:		
<input checked="" type="checkbox"/> Maintain Roads/Parking/Yards	<input checked="" type="checkbox"/> Use Water Application	<input type="checkbox"/> Use Dust Suppressant
<input type="checkbox"/> Remove Particulate Matter	<input type="checkbox"/> Reduce Stock Pile Height	<input type="checkbox"/> Install Wind Breaks
Check the location of spray bars at the nonmetallic mineral processing plant:		
<input type="checkbox"/> Feeders	<input checked="" type="checkbox"/> Entrance to "Crusher"	<input type="checkbox"/> Exit of "Crusher"
<input checked="" type="checkbox"/> Classifier Screens	<input type="checkbox"/> Conveyor Drop Points	

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.)

The Lecanto Mine facility, owned by Crystal River Quarries, Inc., includes mining activities, an Aggregate Plant, an Eagle Iron Works "DALSPLIT" wet classifying tank, an Agricultural Lime loadout system, a Bohringer portable crusher plant, and a Cedarapids portable crusher plant. The Aggregate Plant processes saturated materials, and has feeders, hoppers, a Pioneer primary crusher, a Canica-Jaques secondary crusher, a 2-deck SEECO screen, a 3-deck SEECO screen, and associated conveyor belts.

The Cedarapids portable crusher is in "Long Term Reserve Shutdown" ("LTRS") status.

See attached Equipment Lists.

The facility uses a watering truck for site dust control. The truck is equipped with a water pump which supplies spray nozzles.

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NOTE: See attached Equipment Lists.

***Emission Unit Details - show all crushers (primary, secondary, tertiary), screens, conveyors, engines**

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)

*RICE: Reciprocating Internal Combustion Engine

Equipment Lists – Lecanto Mine of Crystal River Quarries, Inc. – Air General Permit No. 0170363-002-AG

Equipment List – Sheet 1 of 5: Aggregate Plant

Affected Facility	Manufacturer	Date of Manufacture	Model Number	Identifier & Serial Number	Size (TPH, hp, kW, etc.)	Subject to 40 CFR Part 60, Subpart OOO	
						Yes	No
Primary Crusher(s)	Pioneer	12/1979	No Data	No Data	200 HP >150 TPH	<input type="checkbox"/>	X
Secondary Crusher(s)	Canica-Jaques	11/1999	Model 90	090795 99	250 HP >150 TPH	X	<input type="checkbox"/>
Screening Operation(s)	SEECO (2-Deck)	1986	No Data	No Data	70" X 16' 93 FT ²	<input type="checkbox"/>	X
Screening Operation(s)	SEECO (3-Deck)	1986	No Data	No Data	70" X 16' 93 FT ²	<input type="checkbox"/>	X
Belt Conveyor(s)					IN.	<input type="checkbox"/>	<input type="checkbox"/>
Fines Belt		1986	No Data	No Data	30" IN.	<input type="checkbox"/>	X
Delivery Belt		1986	No Data	No Data	42" IN.	<input type="checkbox"/>	X
Feeder Belt		1986	No Data	No Data	42" IN.		X
#1 Delivery Belt		1986	No Data	No Data	36" IN.		X
Oversize Belt		1986	No Data	No Data	24" IN.		X
#2 Delivery Belt		1986	No Data	No Data	36" IN.		X
#5 Belt		1986	No Data	No Data	24" IN.		X
#57 Belt		1986	No Data	No Data	24" IN.	<input type="checkbox"/>	X
#89 Belt		1986	No Data	No Data	24" IN.	<input type="checkbox"/>	X
Recycle Belt	Canica-Jaques	11/1999	No Data	No Data	36" IN.	X	<input type="checkbox"/>

Comments: Aggregate Plant

Saturated Materials are feed to a hopper that feeds (Steel Belt) a shaker. The shaker dumps materials onto the fines conveyor and into the primary crusher. From the fines conveyor materials are transferred to the Delivery Belt. From the primary crusher the materials are transferred to the Delivery Belt. The Delivery Belt transfers materials to the Feeder Belt that transfers the material to a Feeder. The Feeder transfers the materials to the #1 Delivery Belt that transfers to the 1st SEECO Separator (2-Deck Wet). The 2-Deck Separator transfers materials to the Oversize Belt and the to the #2 Delivery Belt. The #2 Deliver Belt transfers materials to the 2nd SEECO Separator (3-Deck Wet). The 2nd SEECO Separator transfers materials to the #5 Belt, the # 57 Belt, and the #89 Belt. The Oversize Belt dumps to a pile which feeds the Reclaim Hopper that transfers materials to the Recycle Belt and then to the secondary crusher. The SEECO Separators are saturated by water sprays. Slurry water from the SEECO Separators is pumped to the Eagle Iron Works DIALSPLIT classifying tank. The plant is all electrically powered from the electric utility grid.

Equipment Lists – Lecanto Mine of Crystal River Quarries, Inc. – Air General Permit No. 0170363-002-AG

Equipment List – Sheet 2 of 5: Eagle Iron Works DIALSPLIT Plant (wet classifying tank)

Affected Facility	Manufacturer	Date of Manufacture	Model Number	Identifier & Serial Number	Size (TPH, hp, kW, etc.)	Subject to 40 CFR Part 60, Subpart OOO	
						Yes	No
Classifying Operation(s) (Wet Classifying Tank)	Eagle Iron Works	1985	DIALSPLIT	NA	NA	<input type="checkbox"/>	X
Belt Conveyor(s)					IN.	<input type="checkbox"/>	<input type="checkbox"/>
Screenings Belt (coarse material)	Eagle Iron Works	1985	NA	NA	30" IN.		X
Agricultural Lime Belt (fine material)	Eagle Iron Works	1985	NA	NA	24" IN.		X
<p>Comments: Eagle Iron Works DIALSPLIT Plant</p> <p>From the Aggregate Plant the Separator water and fines are pumped to the wet classifying tank. Within this classifier the materials are separated into two products. The first product is transferred to the Screenings Belt via a twin screw conveyor. The second product is transferred to the "Agricultural Lime" Belt via a single screw conveyor. The entire process is considered to be conducted in a wet or saturated state (Water Slurry). The plant is all electrically powered from the electric utility grid.</p>							

Equipment Lists – Lecanto Mine of Crystal River Quarries, Inc. – Air General Permit No. 0170363-002-AG

Equipment List – Sheet 3 of 5: “Agricultural Lime” Loadout System

Affected Facility	Manufacturer	Date of Manufacture	Model Number	Identifier & Serial Number	Size (TPH, hp, kW, etc.)	Subject to 40 CFR Part 60, Subpart OOO	
						Yes	No
Belt Conveyor(s)					IN.	<input type="checkbox"/>	<input type="checkbox"/>
Loadout Belt	No Data	1972	No Data	No Data	30”		X

Comments: “Agricultural Lime” Loadout System

The system includes a hopper that feeds the Loadout Belt that transfers materials directly into a truck. The system is powered by electric motors served by the electric utility grid.

Equipment Lists – Lecanto Mine of Crystal River Quarries, Inc. – Air General Permit No. 0170363-002-AG

Equipment List – Sheet 4 of 5: Bohringer Portable Crusher Plant

Affected Facility	Manufacturer	Date of Manufacture	Model Number	Identifier & Serial Number	Size (TPH, hp, kW, etc.)	Subject to 40 CFR Part 60, Subpart OOO	
						Yes	No
Primary Crusher(s)	Bohringer	04/1995	RC10	124874	250 TPH	X	
Crusher Engine	Caterpillar	04/1995	3406	No Data	~400 hp		X
Auxiliary Generator(s)					KW	<input type="checkbox"/>	<input type="checkbox"/>
Belt Conveyor(s)					IN.	<input type="checkbox"/>	<input type="checkbox"/>
Fines Belt	Bohringer	04/1995	No Data	No Data	36" IN.	X	
Feeder Belt	Bohringer	04/1995	No Data	No Data	36" IN.	X	
Stacker Belt	Bohringer	04/1995	No Data	No Data	36" IN.	X	
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

Comments: Bohringer Portable Crusher Plant

The plant is feed by a front-end loader that feeds materials to a hopper. From the hopper large materials are transferred to the crusher and then to the Feeder Belt and then to the Stacker Belt. Fine materials are separated from those entering the crusher and transferred to the Fines Belt that transfers the materials to the Feeder Belt. The plant is run by a diesel fuel-fired engine that powers both the crusher and the electric generator.

Equipment Lists – Lecanto Mine of Crystal River Quarries, Inc. – Air General Permit No. 0170363-002-AG

Equipment List – Sheet 5 of 5: Cedarapids Portable Crusher Plant – The owner requests this plant be designated by FDEP as “Long Term Reserve Shutdown” (“LTRS”) status. It will be used in the future when repaired and when market conditions improve.

Affected Facility	Manufacturer	Date of Manufacture	Model Number	Identifier & Serial Number	Size (TPH, hp, kW, etc.)	Subject to 40 CFR Part 60, Subpart OOO	
						Yes	No
Primary Crusher(s)	Cedarapids	1974	CR077	33432	~300 TPH	<input type="checkbox"/>	X
Crusher Engine	Detroit Diesel	1974	12V-71	No Data	~450 hp		X
Auxiliary Generator(s)					KW	<input type="checkbox"/>	<input type="checkbox"/>
Belt Conveyor(s)					IN.	<input type="checkbox"/>	<input type="checkbox"/>
Fines Belt	Cedarapids	1974	No Data	No Data	36" IN.		X
Feeder Belt	Cedarapids	1974	No Data	No Data	36" IN.		X
Stacker Belt	Cedarapids	1974	No Data	No Data	36" IN.		X
<p>Comments: Cedarapids Portable Crusher Plant</p> <p>The plant is feed by a front-end loader that feeds materials to a hopper. From the hopper large materials are transferred to the crusher and then to the Feeder Belt and then to the Stacker Belt. Fine materials are separated from those entering the crusher and transferred to the Fines Belt that transfers the materials to the Feeder Belt. The plant is run by a diesel fuel-fired engine that powers both the crusher and the electric generator.</p>							

Crystal River Quarries, Inc.

Producers of High Grade Red Level Dolomite & Hi-Calcium Lime & Rock Products

P.O. BOX 216
CRYSTAL RIVER, FLORIDA 34423-0216

TELEPHONES:
OFFICE: (352) 795-2409
(352) 795-2828
FAX: (352) 795-6499

March 14, 2012

Florida Department of Environmental Protection
Receipts
PO Box 3070
Tallahassee, FL 32315-3070

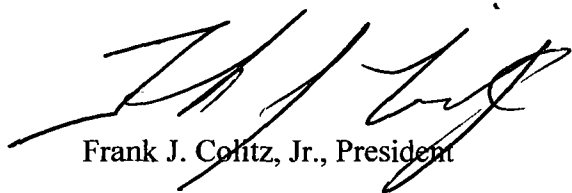
RE: 0170363-002-AG: Re-registration for Lecanto Mine

Ladies and Gentlemen,

Attached is check no. 90580, in the amount of \$100.00, for the re-registration and application for my company's Lecanto Mine.

If you have any questions or I need to submit any additional information, please call me on my cell at 352-220-3436.

Very truly yours,



Frank J. Colitz, Jr., President

FJC/rfs

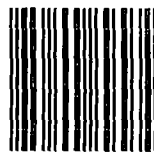
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