

NONMETALLIC MINERAL PROCESSING PLANTS (CRUSHERS)
AIR GENERAL PERMIT REGISTRATION FORM

RECEIVED

Part II. Notification to Permitting Office

APR 05 2010

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

7775625-001

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing 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).

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 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. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): _____
- No air operation permits currently exist for this facility.

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.)

Sandco, 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 registration form must be completed for each.)

Ruthenia Road Sand Mine

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

Street Address: 4900 Ruthenia Rd

City: Tallahassee

County: Leon

Zip Code: 32305-0000

5532

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

05/05/10

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Behzad Ghazvini, President

Owner/Authorized Representative Mailing Address

Organization/Firm: Sandco, Inc.
Street Address: 4708 Capital Circle NW
City: Tallahassee County: Leon Zip Code: 32303-0000

Owner/Authorized Representative Telephone Numbers

Telephone: (850) 514-1000 Fax: (850) 402-7674
Cell phone (optional):

Facility Contact (If different from Owner/Authorized Representative)

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

Print Name and Title: Vickie Goodman, Executive Administrator

Facility Contact Mailing Address

Organization/Firm: Sandco, Inc.
Street Address: 4708 Capital Circle NW
City: Tallahassee County: Leon Zip Code: 32303-0000

Facility Contact Telephone Numbers

Telephone: (850) 514-1000 X 20 Fax: (850) 402-7674
Cell phone (optional): 850-251-8143

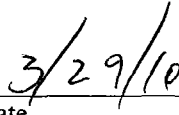
Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.


Signature


Date

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

Description of Reasonable Precautions

Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility.

Precautions to prevent unconfined emissions at the facility include:

- 1) Employing sprayers at various stages of the crushing process
- 2) Stockpiling away from the crusher by immediately hauling after crushed/screened (no stockpiling near crusher)
- 3) Maintaining stockpiles by blading, trimming, and reducing stockpile height
- 4) Keeping the area around the crusher bladed and trimmed neatly
- 5) Blading and forming particulate matter that does come off around the crusher to create a concrete-like pad/surface for the crusher and immediate equipment

Description of Facility

Below, or as an attachment to this form, provide a description of the nonmetallic mineral processing 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 all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

Process:

- 1) Raw material hauled to Ruthenia site
- 2) According to size, larger pieces of rock may need to be wetted, then reduced with a jackhammer to fit into the crusher
- 3) Material fed into crusher (diesel powered; containing conveyors, sprayers, etc)
- 4) Material comes out to separate screening plant (diesel powered)
- 5) Three-way split (by size) directly into haul trucks to be stockpiled separately and away from crusher
- 6) Hauled to separate stockpile areas (on site) which are trimmed and bladed for maintenance

Accessory Equipment Details:

- (1) 330 John Deere Excavator
- (1) 892 John Deere Excavator
- (1) 892 John Deere Excavator (with jackhammer, used only after wetting material)
- (1) 330 John Deere Excavator (with densifier, used only after wetting material, for raw material too large to jackhammer)
- (1) D5 Caterpillar Bulldozer
- (1) DM690 Mack Water Truck (4,000 gallon tank)

Crusher and Screener Details:

Crusher: Terex Pegson XA400; 260 hp; Serial #1957
Screener: Powerscreen Chieftain 1400; 90 hp; Serial #KPZ02502

Control Measures:

As detailed in the processes outlined in this application, numerous control measures are implemented to control any air pollution. Measures include the use of sprayers in the crusher; the stockpiling of material away from the crusher location (after direct discharge from the screener into haul trucks), eliminating any stockpiles around the crusher itself; maintenance of the stockpile areas by blading, trimming and reducing height; maintenance of particulate matter around the crusher by blading, trimming, and using water to create a concrete-like base/surface in the area of the crusher (to prevent any emitted particulates from becoming airborne).

*NEED ENGINE DATA
MPFR/MODEL #158
CRUSHER & SCREENER'S
RATED CAPACITIES*

** SEE ATTACHED
EMAIL AS AN ADDENDUM
TO THIS FORM, 4/8/10*

Dibble, Dickson

From: Richard Darabi [rdarabi@synergydne.com]
Sent: Thursday, April 08, 2010 11:57 AM
To: Dibble, Dickson
Subject: Air General Permit Registration - Ruthenia

Mr. Dibble,

At your request, I'm emailing to provide the additional information on the concrete crusher and screener for the Ruthenia site.

From my guys in the field, I've found the diesel engine manufacturer/model number details to be:

Screener: Deutsche BF4M 1012C

Crusher: Caterpillar C9DL

The crusher operates at approximately 250 tons/hr. The screener operates at the rate the crusher can crush, also 250 tons/hr.

Please let me know if this information is sufficient for your needs. I will be happy to provide any additional details should you require them.

Sincerely,

A. Richard Darabi, P.E.

SYNERGY DESIGN & ENGINEERING, INC.

4708 Capital Circle NW, Suite 2A
Tallahassee, FL 32303
850.942.2909 (ph)
850.402.7674 (fax)



DESIGN AND ENGINEERING, INCORPORATED

Letter of Transmittal

4708 CAPITAL CIRCLE NW, SUITE 2A • TALLAHASSEE FLORIDA 32303
PHONE 850-942-2909 • FAX 850-402-7674
CERTIFICATE OF AUTHORIZATION NO. 26437

DATE: 3/31/10 JOB NO: 03-B07
ATTENTION: Ruthenia
RE: Air General Permit Registration

TO: Dick Dibble, FDEP
PO Box 3070
Tallahassee, FL 32315-3070

WE ARE SENDING YOU [X] Attached [] Under separate cover via the following items:

- [] Shop drawings [] Prints [] Plans [] Samples [] Electronic Media
[] Copy of letter [] Change Order [] Specifications [] Other

Table with 4 columns: COPIES, DATE, NO., DESCRIPTION. Contains 3 rows: Cover Letter, Air General Pemrit Registration Form, Check (\$100).

THESE ARE TRANSMITTED as checked below

- [X] For approval [] Approved as submitted [] Resubmit copies for approval
[X] For your use [] Approved as noted [] Submit copies for distribution
[] As requested [] Returned for corrections [] Return corrected prints.
[] PRINTS RETURNED AFTER LOAN TO US [] FOR BIDS DUE
[] For review and comment

REMARKS:

Please contact me if you have any questions or require any additional information.

Thanks!

COPY TO:

SIGNED: A. Richard Darabi, P.E. (with signature AD)



March 31, 2010

Dick Dibble
Florida Department of Environmental Protection
Mailed to: PO Box 3070
Tallahassee, FL 32315-3070

Re: Air General Permit Registration Form - Ruthenia

Dear Mr. Dibble,

As discussed in our numerous phone conversations, we are submitting the attached Air General Permit Registration for the Ruthenia Sand Mine site.

The site has previously operated as a solid waste disposal facility and is currently operating as a yard trash processing facility (both permitted through the FDEP).

The applicant now wishes to operate a concrete crusher, which requires the filing of this registration form. I believe the form has been filled out sufficiently for your needs, per our conversations.

Should you require any additional information on the proposed equipment or processes, please don't hesitate to contact me. I appreciate the time you took to help us throughout this process.

Sincerely,

A handwritten signature in black ink, appearing to read "A. Richard Darabi".

A. Richard Darabi, P.E.
Senior Project Manager

S:\AAP\Projects\03-B07 Ruthenia\Permitting\DEP\Air General Permit (concrete crusher)\Cover Letter.doc



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MAILED FROM ZIP CODE 32301



**DESIGN AND
ENGINEERING
INCORPORATED**

18 CAPITAL CIRCLE NW, SUITE 2A * TALLAHASSEE, FLORIDA 32303

FDEP
PO Box 3070
Tallahassee, FL 32315-3070