

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

JAN 28 2010

Part II. Notification to Permitting Office

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

Bureau of Air Pollution
& Mobile Sources

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)

0530017-009

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.)

E.R. Jahna Industries, 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.)

Mills Mine

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

Street Address: 35553 Cortez Boulevard

City: Webster

County: Hernando

Zip Code: 33597

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

N/A

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: Ronald C. Johnson, Vice President

Owner/Authorized Representative Mailing Address

Organization/Firm: E.R. Jahna Industries, Inc.

Street Address: P.O. Drawer 840

City: Lake Wales

County: Polk

Zip Code: 33880

Owner/Authorized Representative Telephone Numbers

Telephone: 863-676-9431

Fax: 863-676-5137

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: Mike del Pilar, Mine Manager

Facility Contact Mailing Address

Organization/Firm: E.R. Jahna Industries, Inc.

Street Address: 35553 Cortez Boulevard

City: Webster

County: Hernando

Zip Code: 33597

Facility Contact Telephone Numbers

Telephone: 352-583-3080

Fax: 352-583-2007

Cell phone (optional):

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.

For the primary crusher, the material from the stockpiles is wet/damp when it is put into the hopper. For the secondary crusher (wet plant), there is a sprinkler system that wets the material before it reaches the crusher.

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.

This facility is adding a new primary crusher at their facility. The new crusher is a 2007 Terex/Cedar Rapids Model CobraTrack 1300, serial Number 54792. This crusher has a 400 HP engine and a rating of 650 tons per hour. The crusher consists of a hopper that is connected to the crusher, a cummins diesel engine and a discharge conveyor belt that drops the crushed material into a pile. The final product is used for roadbase. A copy of the specification are included with this application.

This unit was previously permitted as a demo unit at this facility by the distributor under General Permit number 7775508-002. This crusher will never be moved from this site so they will keep the stationary permit status.

There are no changes to the existing equipment listed below. EU 003, the current primary crusher will be kept on site and used occasionally as needed.

The Primary crusher (EU 003) consists of a hopper that is connected to the 2.1 MMBTU/hr diesel fueled primary crusher and then onto a conveyor belt that drops the crushed material into a pile. The finished product is used for road base.

The secondary crusher (EU 005) (wet plant) consists of the hopper, conveyor belt to the primary shaker, then a conveyor belt to the crusher/hammer mill and a conveyor to the secondary crusher where the material is screened and sent to one of three places. A conveyor takes the fines to a settling tank (V-box), and the medium sized particles are conveyed to the pile of finished material and the larger pieces are sent back to the crusher/hammer mill on an enclosed conveyor/shoot for re-crushing to the desired size particle. The finished product is sold for use as a fertilizer filler and for chicken food filler.

MEISO
LT 1213
SN 73191

330T/hr
CATERPILLAR
CAT C-12
416 HP



Search

Crushing & Screening

1300 CobraTrack Track Mounted Impact Crusher

Portable Plants

Overview

Features

Literature

MACS

1100 CobraTrack

1300 CobraTrack

Jaw Crushers

Rollercone Crushers®

Screens

Impact Crushers

Feeders

5048 HORIZONTAL SHAFT IMPACTOR

Field proven to be the best in the industry, the TEREX | Cedarapids HSI is known for higher production tonnages. High strength, proven durability and easy maintenance means more uptime and increased production.

- Extra large 43-1/4" (1098 mm) feed opening
- Aggressive, high inertia, weight efficient 3-bar rotor
- High strength, patented huck-bolted stub shaft design
- Rotor lock pin
- Large spherical roller bearing construction with taconite seal
- Patented tool-less breaker plate adjusting system
- Patented hydraulic assist system for breaker plate adjustment
- Large inspection doors on side and front of crusher

Find A Distributor

Search

CUMMINS DIESEL ENGINE

The CobraTrack 1300 is powered by a Cummins QSM11 diesel engine. Rated at 400 hp, it has the power to handle any job.

- Rated 400 horsepower (298 kW)
- Fluid coupling for increased V-belt and engine life
- Reliable cog belt design for pump drive
- Lockable enclosure with access doors
- Ground access 200 gallon fuel tank (757 L)
- Federal EPA Tier 3 compliant
- Easy access to all pumps and pump drives

Contact Us

Terex Cedarapids
909 17th Street NE
Cedar Rapids, IA 52402

Phone: (800) 821-5600
(319) 363-3511

Fax: (319) 399-4871

info@cedarapids.com

VIBRATING GRIZZLY FEEDER

This durable 4214-9 VGF provides optimum feed regulation, superior material separation and high production efficiency.

- Aggressive 7/16" (11.1 mm) stroke
- Adjustable stroke angle
- Deep formed steel side sheets
- Durable high strength steel panable enclosure with access doors
- Inverted tubular pan support weldment
- ARS pan and side liners
- Adjustable 60° (1524 mm) long grizzly section
- Self-relieving tapered grizzly bar prevents plugging
- Double deck grizzly for fines/dirt removal
- Hinged screen deck for easy access & cloth change

DISCHARGE CONVEYOR

This removable 42" (1067 mm) undercrusher discharge conveyor is built to last and is easily serviced and maintained.

- 97" (2921 mm) discharge height for large stock pile
- 12" (305 mm) ground clearance for transport/operation

- Heavy-duty 12" (305 mm) rubber lagged head pulley
- 10" (254 mm) winged tail pulley
- All grease zerks at ground level
- Direct drive hydraulic motor
- Conveyor easily removes for servicing
- Easily deployed ground supports
- 19" (482 mm) clearance to bottom of rotor
- Full skirting to head pulley

IMPACT CRUSHER DRIVE

The CobraTrack 1300 impact crusher drive system incorporates advanced technology to automatically avoid damage.

- Fluid coupling with operator controlled engage and disconnect
- No friction clutch
- Crusher can start at any engine speed
- Soft start for crusher protects engine and drive from shock
- Releases load automatically in overload condition
- Thermal and pressure auto shutdown
- Large oil cooler with bypass valve
- 8-groove 8V-belt design
- Power band belts

* ADDENDUM TO #0530017-009
SEE PAGE 10

RECEIVED

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AIR GENERAL PERMIT REGISTRATION FORM FEB 08 2010

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Mills Mine

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Zip Code: 33597

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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: Ronald C. Johnson, Vice President

Owner/Authorized Representative Mailing Address

Organization/Firm: E.R. Jahna Industries, Inc.

Street Address: P.O. Drawer 840

City: Lake Whales

County: Polk

Zip Code: 33880

Owner/Authorized Representative Telephone Numbers

Telephone: 863-676-9431

Fax: 863-676-5137

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: Mike del Pilar, Mine Manager

Facility Contact Mailing Address

Organization/Firm: E.R. Jahna Industries, Inc.

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County: Hernando

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Facility Contact Telephone Numbers

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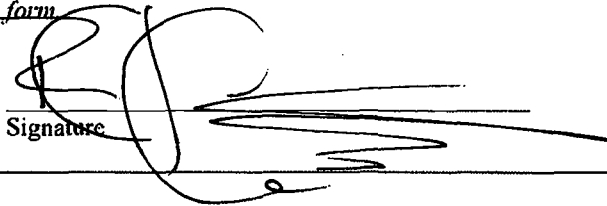
Cell phone (optional):

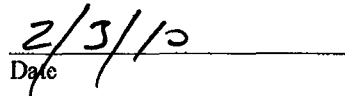
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In addition to the new crusher, this facility will also be adding a 36" X 65' Superior Portable Radial Stacking Conveyor model PRSC-S, serial number 82777. The specifications for the new conveyor are included with this updated application.

Superior 36" X 65' Portable Radial Stacking Conveyor w/ mobile base.

[Return to Index](#)

Self contained Diesel Hydraulic Conveyor Frame

Main frame	30" deep truss
Chord angles	4" x 4" x 1/4"
Lattice members	2" x 2" x 3/16"
Extra chord angle	not included
Drive specifications	
Drive	Self-contained diesel / hydraulic
Engine	Deutz Tier 3, 77 hp diesel
Pump	tandem gear pump and reservoir
Motor	hydraulic drive, with start/stop control valve and flex coupling
Capacity	650 STPH of 100 PCF material, 25 degree surcharge (90% fines, 10% lumps 6" minus)
Belt speed	400 fpm
Superior pulleys, crown faced-Mine Duty	
Drive pulley	18" diameter, 3/8" herringbone lagged drum, MD
Tail pulley	16" diameter, wing type pulley, MD
Snub pulley	not included
Head pulley	not applicable
Shafts	Turned and polished
Bearings	Sealmaster - Browning
Take ups	Screw type
Portability	
Conveyor splice	one piece truss frame
Undercarriage	Hydraulic raise
Axle type	Superior's Patented FD15 Axle
Tugger	Attached at tail end of conveyor
Transport axle	(4) OTR tires
Radial axle	(2) 385B5R-22.5 tires on hydraulic outriggers, power travel
Radial Travel	2 hp planetary, one side
Fifth wheel	for road travel, bolt on design
Anchor pivot	maintains tail end during radial travel
Brakes	included
Lights	not included
Mud flaps	included
Landing gear	manual crank landing gear
Towing eye	Pintle type hitch

Conveyor Components

Beltting	3-ply 3/16 x 1/16 330 PIW
Belt splice	Flexco mechanical steel fasteners
Belt scraper	Superior Exterra Primary
Superior idlers	CEMA C, 5" dia. rolls, sealed for life ball bearings
Load area	20" trough, 16" spacing
Trough	35" on 4' spacing
Returns	on 10' spacing
Radial hopper	sloped, 5' long, bolt on design
Gathering trough	5' long with adjustable rubber flashing

Additional Specifications

Guarding	for drive and tail pulleys, v-belt drive and return idlers. Guards may not meet all local codes; customer is responsible to have guarding inspected. control panel and wiring included
Electrical	included
Wireless Remote	included
Paint	1 coat primer, 1 coat finish enamel (*available colors below)
Idler Paint	powder coated Superior Orange
Owner's Manual	(1) copy included for operation, maintenance, and parts

*The following colors are available at no extra charge:

Superior Orange
 Superior Beige
 Superior White
 Superior Sandstone
 Other colors are available for \$250 per item, plus a one-time \$500 custom color match, if applicable.



January 21, 2010

Mr. Dick Dibble, ES II
Florida Dept of Environmental Protection
Division of Air Resource Management
Bureau of Air Monitoring & Mobile Sources
Air General Permit Program
P.O. Box 3070
Tallahassee, Florida 32315-3070

**RE: E.R. Jahna Industries, Inc.
Air General Permit Registration
Facility I.D. Number: 0530017**

Dear Mr. Dibble:

Enclosed is the application for the new crusher at E.R Jahna along with a check in the amount of \$100.00 for the application fee.

If you have any questions, please call me at (407) 298-2282 or e-mail me at sara@grovescientific.com.

Respectfully,
GROVE SCIENTIFIC & ENGINEERING COMPANY

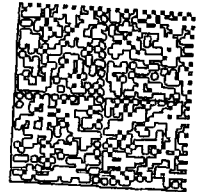
A handwritten signature in cursive script that reads "Sara Greivell".

Sara Greivell
Environmental Scientist

cc: Ronald C. Johnson - E.R. Jahna Industries, Inc.

ER Jahna general permit notification Sub Letter to FDEP 10 / 318900 / 012110

LAKE WALES INDUSTRIES INC
P O Box 840
Lake Wales, FL 33859-0840



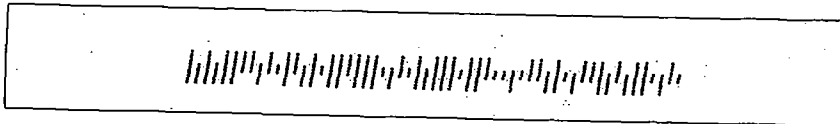
HASLER

017H15528317

\$1.050

01/22/2010

Mailed From 338



FDEP
Receipts
P.O. Box 3070
Tallahassee, FL 32315-3070

February 4, 2010

Mr. Dick Dibble, ES II
FDEP Air General Permit Program
BAMMS, MS 5510
2600 Blair Stone Road
Tallahassee, Florida 32399-2400



**RE: E.R. Jahna Industries, Inc.
Air General Permit Registration - Update
Facility I.D. Number: 0530017**

RECEIVED

FEB 08 2010

Bureau of Air Monitoring
& Mobile Sources

Dear Mr. Dibble:

Enclosed is the updated application for the stacker conveyor that was not included in the original application for the new crusher at the E.R. Jahna mine.

If you have any questions, please call me at (407) 298-2282 or e-mail me at sara@grovescientific.com.

Respectfully,
GROVE SCIENTIFIC & ENGINEERING COMPANY

A handwritten signature in cursive script that reads "Sara Greivell".

Sara Greivell
Environmental Scientist

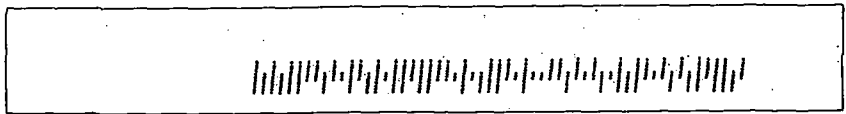
cc: Ronald C. Johnson - E.R. Jahna Industries, Inc.

ER Jahna general permit notification Sub Letter to FDEP 10 / 318900 / 020310

E.R. Jahna Industries Inc
P O Box 840
Lake Wales, FL 33859-0840



HASLER 017H15528
\$1.0
02/04/2
Mailed From



**FDEP AIR GENERAL PERMIT PROGRAM
ATT: DICK DIBBLE
BAMMS, MS 5510
2600 BLAIR STONE ROAD
TALLAHASSEE, FL 32399-2400**