

APR 06 2010

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

DEPARTMENT OF AIR MONITORING
& MOBILE SOURCES

Part II. Notification to Permitting Office

(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)

1270165-003

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.) **SET MATERIALS INC.**

Arthur Drewry, President

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.)

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

Street Address: **800 Hull Road**

City: **Ormond Beach**

County: **Volusia**

Zip Code: **32174**

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: Arthur Drewry, President

Owner/Authorized Representative Mailing Address

Organization/Firm: SET materials inc
Street Address: 800 Hull Road
City: Ormond Beach County: Volusia Zip Code: 32174

Owner/Authorized Representative Telephone Numbers

Telephone: 386-677-4133 Fax: 386-677-6453
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: Eric Drewry

Facility Contact Mailing Address

Organization/Firm:
Street Address: 800 Hull Road
City: Ormond Beach County: Volusia Zip Code: 32174

Facility Contact Telephone Numbers

Telephone: Fax:
Cell phone (optional): 386-547-4644

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.

Arthur P Drewry
Signature

4-1-2010
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.

Use water Truck 3-4 times a day keeping ground wet. making sure stockpile height is kept reasonable, maintain roads, wetting down products prior to crushing

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.

Eagle 1400/45 crusher
Stationary crusher that crushes > 25 tons/hour.
Products that we recycle and crush are concrete,
asphalt, broken stone, limestone, shell, sand,

NEED MORE EQUIP. DETAIL —

CRUSHERS
SCREENS
CONVEYORS

* SEE ATTACHED E-MAIL AS AN
ADDENDUM TO THIS FORM. 04/09/10

N. Little

(386) 677-4199

LORI

Dibble, Dickson

From: lori@setmaterialsinc.com
Sent: Friday, April 09, 2010 1:34 PM
To: Dibble, Dickson
Subject: RE: CRUSHER PERMIT

ANSERS:

1. 1400-45
 2. YES
 3. 150 TONS PER HOUR
 4. YES, IT HAS 4 FOGGERS WHICH THEY ADMIT ENOUGH WATER TO ELIMINATE DUST AND NO MORE WATER IS DONE.
 - 4A. 4 FOGGERS
 - 4B. HOPPER, IMPACTOR, DISCHARGE CONVEYOR, DISCHARGE CHUTE
 - 5A. EAGLE / SIMPLICITY
 - 5B. 2 - 30 X 50 & 2 - 30 X 95
 - 5C. SPRAYER IN BASE
 6. PART OF THE CRUSHER.
- LORI

From: Dibble, Dickson [mailto:Dickson.Dibble@dep.state.fl.us]
Sent: Friday, April 09, 2010 12:44 PM
To: lori@setmaterialsinc.com
Cc: Ajhar, Rebecca
Subject: RE: CRUSHER PERMIT

Lori,

Thank you very much for your assistance and for your very prompt response to my request.

I am in need of some additional clarification.

- 1) During our conversation you mentioned that the crusher model was a 1400-45. Is that correct or did I imagine it?
- 2) Eagle makes a 1400-45 with a triple deck screener. Does your crusher include a triple deck screener?
- 3) What is the actual "machine rated capacity" (Tons per hour) of the crusher?
- 4) Are there dust suppression devices (spray bars) on the crusher/crusher belts, or screens (if it has screens)?
 - a) If so, how many spray bars, and
 - b) Where are they located?
- 5) Identify the 4-50' stand-alone conveyor/stackers
 - a) Make & Model # if available
 - b) Belt sizes of each of the stand-alone conveyor/stackers (i.e.- 36" X 50' or 48" X 50', etc.)
 - c) Do the stand-alone conveyors have spray bars, and if so, how many on each conveyor and where are they located?
- 6) You mentioned in your e-mail below that in 2005 a VE was done on a screen and that you were confident that Bottorf will be conducting the same tests on May 4th. Is the screen part of the crusher or a stand-alone unit?

Thank you for assisting me with these needed details.

Have a great day and if you have any questions, comments or concerns please e-mail or call.

Sincerely yours,

Dickson E. Dibble

Dickson E. Dibble, ES III

FL Dept of Environmental Protection
Div. of Air Resource Management
Bureau of Air Monitoring & Mobile Sources
Air General Permit Program
Tel. (850) 921-9586
FAX (850) 922-6979
ICG-#345

Dickson.Dibble@dep.state.fl.us



Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.

From: lori@setmaterialsinc.com [mailto:lori@setmaterialsinc.com]

Sent: Friday, April 09, 2010 11:24 AM

To: Dibble, Dickson

Subject: CRUSHER PERMIT

REGARDING CRUSHER PERMIT RENEWAL # 1270165-002-AG
THIS IS THE FOLLOWING INFORMATION THAT YOU REQUESTED.

WE HAVE A EAGLE 1400 CRUSHER THAT WAS MANUFACTURED IN NOVEMBER 1999. THE SERIAL NUMBER IS 11517, AND IT HAS A 300 HP WEG ELECTRIC MOTOR ON IT.

WE HAVE 2 BELT CONVEYORS OPERATING ON THIS CRUSHER AND 4 - 50' STACKERS.

IN THE PICTURE THAT YOU HAVE THERE WAS A SCREENER PICTURED, WE NO LONGER HAVE THAT PIECE OF EQUIPMENT AT THIS PLANT.

WHEN THE LAST VE TEST WAS DONE IN 2005, HE DID THE FOLLOWING TESTS

RECVING HOPPER
INPACTOR/CRUSHER
BELT CONVEYOR NORTH
SCREEN
BELT CONVEYOR SOUTH

•
TRUCK LOADING.

I AM QUITE CONFIDENT THAT IS THE SAME TESTS HE WILL BE CONDUCTING ON MAY 4TH. AS NOTHING HAS CHANGED ON THE CRUSHER FROM WHEN HE WAS HERE LAST TIME.

IF YOU NEED ANY ADDITIONAL INFORMATION, PLEASE GIVE ME A CALL.

THANKS
LORI ADAMS

lori@setmaterialsinc.com

From: Roger Caldwell [roger@bottorf.com]
Sent: Thursday, April 01, 2010 2:44 PM
To: Garry Kuberski
Cc: lori@setmaterialsinc.com
Subject: 1270165-002-AG, Set Materials, Inc., Ormond Beach, VE Test Schedule



**Consulting Engineers - Analytical
 Laboratory**

PO Box 1137· Plymouth, Florida 32768-1137 Phone 407 298-0846 Fax: 407 644-9222

April 1, 2010

Project No: 1948

Mr. Garry Kuberski
 Air Resources Management
 Florida Department of Environmental Protection
 3319 Maguire Boulevard, Suite 232
 Orlando, FL 32803-3767

Subject: Volusia County- AP
 Set Materials, Inc.
 800 Hull Rd., Ormond Beach,
 FL
 Concrete Crushing Facility
 1270165-002-AG


Mr. Kuberski,

A test of visible emissions from the referenced Concrete Crushing Facility has been scheduled for May 4, 2010, beginning at 10:00 a.m.

If weather or other circumstances beyond our control cause postponement we will advise as soon as possible.

Thank you,

Roger T Caldwell
Vice President, Environmental Division
Bottorf Associates, Inc.
PO Box 1137, Plymouth, Fl. 32768-1137
Phone 407.298.0846
Fax 407.644.9222
Cell Phone 407.341.4971

 Please consider the environment before printing this email.

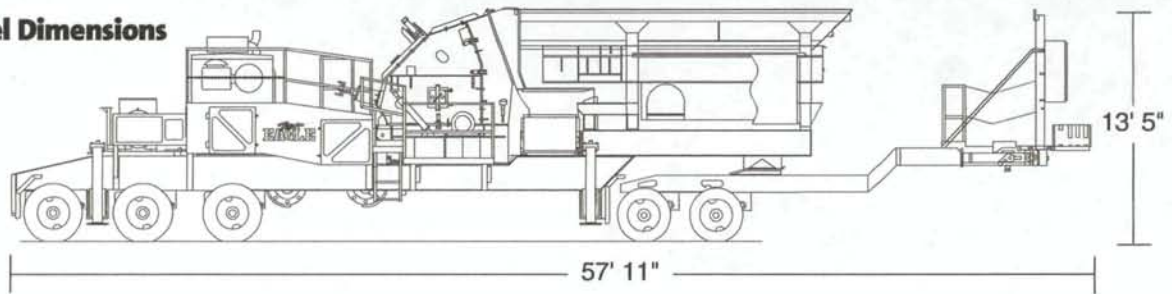
*Will send these
 results as soon as
 Test completed
 thanks*

4/2/2010

Product Specification Sheet
1400-45 Portable Plant Specifications

EAGLE CRUSHER
 COMPANY, INCORPORATED

1400-45 Travel Dimensions



1400-45 Portable Plant Specifications*

Impactor	3-Stage UltraMax® UM45
Impactor Weight	38,700 lbs.
Plant Weight	110,000 lbs.
Travel Width	11' 11"
Rotor Diameter and Width	50" x 56"
Feed Opening	56" x 35"
Vibrating Grizzly Feeder Dimensions	18' x 57"
Feed Hopper Capacity	19 cubic yards/25 tons
Grizzly Bars	Two-step, 30" long bars with various spacing
Discharge System	42" wide conveyor
On-Plant Power Supply	510 HP diesel engine and 175 kW generator
Hydraulic Lift/Leveling System	On-board, gas-powered; also used for secondary curtain settings and crushing chamber access.

1400-45 Optional Closed-Circuit operation

Screening Plant	Horizontal 6' x 20' triple-deck
Return Conveyor	30" x 50' chevron-cleated conveyor from screening plant to feed hopper
Stockpiling Conveyors	Three (3) 30" x 50' smooth belt conveyors

* Design specifications subject to change without notice.

UltraMax® Impactor Models and Specifications

UM69	56 x 68	69 x 42	400-600	60,200
UM45	50 x 56	56 x 35	300-400	38,700
UM25	47 x 47	48 x 34	150-300	32,500
UM15	44 x 41	42 x 32	150-200	27,500
UM05	40 x 33	33 x 32	75-150	19,500
UM04	40 x 29	27 x 32	60-100	16,600
	Diameter x Width	Width x Height		
Model	Rotor (Inches)	Feed Opening (Inches)	Power Required (HP)	Approx. Weight (Lbs)

ATTENTION: Eagle Crusher Company designs a range of impactors. The capacities vary based on feed size, feed rate, physical characteristics of feed material, environmental conditions, operator training and proficiency, blow bar gap settings, and conditions of wear parts.

Aggregate • Sand & Gravel • C&D Debris • Recycle Concrete • Recycle Asphalt
 P.O. Box 537, Gallion, OH 44833 • 419-468-2288 • fax: 419-468-4840 • email: sales@eaglecrusher.com

Call 800-25-EAGLE
 or visit www.eaglecrusher.com

1400-45

High-Production Primary/Secondary Crushing

Delivering capacities unmatched by any comparable portable crushing plant on the market, the UltraMax® 1400-45 easily replaces dual crusher circuits without sacrificing productivity. With a lower initial investment and overall operating costs, the UltraMax 1400-45 produces uniform, cubical spec product at lower costs per ton. The exclusive blow bar metallurgy of the UM 1400-45's solid-steel, 3-bar rotor offers longer wear life even in the hardest recycle or aggregate feed material applications, while delivering reduction ratios in excess of 24:1.

1400-45 QuikSpecs®

- Primary/secondary crushing capabilities eliminate the expense of jaw/jaw or jaw/cone crusher circuits
- Standard operation as an open-circuit crushing system
- Optional screening plant and stacking conveyors enable closed-circuit production of 3 spec products simultaneously
- Powerful 510 HP diesel engine with 175 kW generator allows operation of optional equipment without an additional power source
- Produces a uniform, cubical spec product that meets Superpave specifications
- Hydraulic lift/leveling system reduces transport time
- 19-cubic yard feed hopper with 5' tapered step grizzly bar
- Adjustable primary and secondary curtains for precise product gradation control
- Hydraulic-opening impactor housing offers unobstructed access to crushing chamber and secondary curtain adjustment
- Remote operator's station mounted on operator's platform



UltraMax® 1400-45



“We are making a spec product with our UltraMax® 1400-45 that's more of a chip product than what we could do with a jaw/cone combination.”

Carver Larroway, Owner
Carver Sand and Gravel



PARTNERSHIPS FOR PROFITABILITY
IN AGGREGATE AND RECYCLING



ULTRAMAX® IMPACTORS

Dibble, Dickson

Subject: Processed AIRS ID# 1270165-003, SET MATERIALS INC dba SET MATERIALS-HULL RD FACILITY, 800 HULL RD, ORMOND BEACH, FL 32174
Location: NONMETALLIC MINERAL PROCESSING PLANT-Ormond Beach
Start: Fri 4/9/2010 12:00 AM
End: Sat 4/10/2010 12:00 AM
Show Time As: Free
Recurrence: (none)
Organizer: Dibble, Dickson
Categories: PENDING

PENDING

04/09/10-Called (1015 hrs) & talked w/ Lori who submitted renewal form. Asked her to provide more equipment detail on Page ten on crusher, screens, and conveyors in an e-mail and I would attach info as an addendum to the original form.

SET MATERIALS, INC.

800 Hull Road
Ormond Beach, FL 32174

DAYTONA BEACH FL 321

02 APR 2010 PM 1 T



FDEP
receipts
PO BOX 3070

Tallahassee, FL 32315-3070

32315+3070

