

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

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)

7775649-001

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.)

Sun Recycling, LLC

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.)

Marina Mile Park

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

Street Address: SE corner of I-595 and Marina Road

City: Dania Beach

County: Broward

Zip Code: 33312

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

June 1, 2010

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: Charles Gusmano, Member-Manager

Owner/Authorized Representative Mailing Address

Organization/Firm: Sun Recycling, LLC

Street Address: 790 Hillbrath Drive

City: Lantana

County: Palm Beach

Zip Code: 33462

Owner/Authorized Representative Telephone Numbers

Telephone: 561-582-6688

Fax: 561-202-2486

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: Brad Amundson, Facility Manager

Facility Contact Mailing Address

Organization/Firm: Sun Recycling

Street Address: 3251 SW 26th Terrace

City: Dania Beach

County: FL

Zip Code: 33312

Facility Contact Telephone Numbers

Telephone: 954-583-7973

Fax: 954-583-1090

Cell phone (optional): 954-214-6063

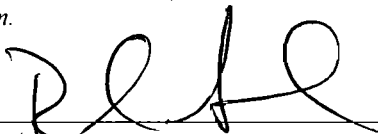
Owner/Authorized Representative Statement

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

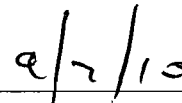
I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible 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.

The method to control unconfined emissions at this facility is the application of water throughout the process. The Eagle Model 62150900 has a built-in dust suppression system consisting of a series of spray bars. In addition, a 2" hose is located at the crusher which is manually operated allowing any visible emissions of dust to be wet down. Sprinklers are also being provided on the stockpile of material to be fed into the crusher. Any dust emissions from the crushed material will be wet down from a truck or water sourced from the 2" hose. Trucks equipped with spray bars will suppress any dust emissions sourced from vehicles operating on the site.

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.

The equipment located at this site is a portable Eagle 62150900 concrete crusher. It is being operated on a contract basis for the owner of the site as part of a lake filling operation on the site. It is set up with a movable concrete wall confining concrete to be fed into the equipment. This material is wetted as it is processed through the crusher. Once crushed, the material is temporarily stored adjacent to the crusher where it is wet down to control dust emissions and is used for lake fill.

The amount of material to be crushed does not warrant continuous operation of the crusher. In general, concrete is crushed during one eight hour shift per week. Because of Intermittent use, the size of piles of unprocessed and processed concrete varies day to day.



Transmittal:

Florida Department of Environmental Protection
FDEP Receipts
P.O. Box 3070
Tallahassee, FL 32315-3070
Attn: Dickson Dibble

Re: Air General Permit Registration Form

Mr. Dibble,

Attached please find the completed registration form and \$100.00 fee.

Very truly yours,

A handwritten signature in black ink, appearing to read "Scott Bennowitz".

B. Scott Bennowitz

cc: Courtney Pitters, Broward County
Brad Amundson

(561) 702 4715

SUN RECYCLING, LLC
790 HILLBRATH DRIVE
LANTANA, FL 33462



Florida Department of Environmental Protection
FDEP Receipts
P.O. Box 3070
Tallahassee, FL 32315-3070
Attn: Dickson Dibble

323153070 8099



Dibble, Dickson

Subject: Processed AIRS ID# 7775649-001, SUN RECYCLING LLC dba MARINA MILE PARK,
MARINA RD, DANIA BEACH, FL 33312
Location: NONMETALLIC MINERAL PROCESSING PLANT-Dania Beach
Start: Wed 9/22/2010 12:00 AM
End: Thu 9/23/2010 12:00 AM
Show Time As: Free
Recurrence: (none)
Organizer: Dibble, Dickson
Categories: PENDING

OFFICE = (561) 202-2474
CELL = (561) 702-4715

PENDING

09/22/10-Called B. Scott Bennewitz (561)-582-6688, not available, left VM message.

Need the following:

MAIN LINE

- 1) Verify Eagle Crusher Model # or S/N (does not match Eagle Model # scheme)
- 2) Machine Rated capacity in T/hr
- 3) Power source: (if RICE need to know)
 - a. Make
 - b. Model
 - c. S/N
 - d. Hp
 - e. Fuel type

EAGLE CRUSHER

C O M P A N Y , I N C O R P O R A T E D

October 15, 2010

Southern Waste Systems
6911 Wallis Road
West Palm Beach, FL 33413

To Whom It May Concern:

Regarding the 2010 Eagle 1200-25CC Portable Crushing and Screening Plant model number 33D5500 s/n 30821, the Manufactures maximum machine rated capacity is 250 tons per hour.

Please keep in mind that this would be a Maximum Rated Capacity, other conditions beyond our control may reduce the capacity of the 1200-25CC. These conditions include feed size and shape, moisture content, amount of metal in the feed material, size and type of feeding equipment, and the size and capacity of other processing equipment in the circuit.

Please contact me if I can be of further assistance.

Thank you,

Jay Giltz
C.A. Jay Giltz
Eagle Crusher Company
Applications Manager



Dibble, Dickson

From: Lisa Strickland [lstrickland@eaglecrusher.com]
Sent: Friday, October 15, 2010 1:50 PM
To: Scott Bennewitz; Dibble, Dickson
Cc: Jay Giltz (Jammo); Bill Magness
Subject: RE: Eagle Crusher - Machine Rated Capacity
Attachments: 1200-25CC sn 30821 Max.pdf

Dear Sirs,

Attached please find the Maximum machine rated capacity for your unit.

Thanks,

Team Eagle Sales

Dibble, Dickson

From: Dibble, Dickson
Sent: Thursday, October 14, 2010 4:47 PM
To: 'Scott Bennewitz'
Cc: Ajhar, Rebecca
Subject: RE: Eagle Crusher - Machine Rated Capacity

Scott,

I apologize, but I am having difficulty with Eagle's letter and their claim that the "Machine Rated Capacity" of the Ultra-Max 1200-25CC is only 145 T/hr. I just sent you an e-mail from a Roger's Recycling Co. website and they clearly indicate that they can operate the same piece of equipment @ 200 T/hr.

I have an environmental consultant that is also dealing with the same issue and are equally confident that this machine is capable of much more than 140 or 145 T/hr. Incidentally, they too have received the identical letters that you were provided. The consultant was concerned that if they (Eagle) advertised greater than 150 T/hr, then they would not sell as much equipment because anything greater subjects that equipment to Federal emission standards & rules (40 CFR, Part 60, Subpart OOO).

So, we have to try to get them to give us what we are asking for. If an inspector were to come to the site to perform an inspection and finds anything different than what has been registered then it could expose you/your facility to enforcement and possible fines for not properly registering that equipment.

I could let it go through, but then in all good conscience you would be setting yourself up for that type of scenario and I don't think you want that type of exposure, nor do I want to be a party to that.

They need to be up front and provide us with what is being requested.

If you have any questions, comments or concerns let me know.

Sincerely,

Dick

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

From: Scott Bennewitz [mailto:sbennewitz@southernwastesystems.com]
Sent: Thursday, October 14, 2010 1:14 PM
To: Dibble, Dickson
Subject: RE: Eagle Crusher - Machine Rated Capacity

Attached is a letter from Eagle. Please let me know if this is adequate.

Scott Bennewitz

Director of Development

Southern Waste Systems LLC

790 Hillbrath Drive / Lantana, Florida 33462

C. 561-702-4715 O. 561-582-6688 ext- 320



Green Level Member of the USGBC South Florida Chapter Donor Circle Program

Please consider the environment before printing this email.

www.southernwastesystems.com

From: Dibble, Dickson [mailto:Dickson.Dibble@dep.state.fl.us]
Sent: Thursday, October 14, 2010 8:52 AM
To: Scott Bennewitz
Cc: Ajhar, Rebecca
Subject: FW: Eagle Crusher - Machine Rated Capacity

Good morning Scott!

This is just a friendly reminder to let you know that we are getting close to the end of the mandatory thirty (30) day review for this facility's permit registration. I will need the machine rated capacity figure before close of business tomorrow, October 15, 2010, or I will be forced to deny this registration and I really don't want to have to do that.

If you could help me out here, I would really appreciate it. If you have any questions, comments or concerns please e-mail or call.

Thank you and have a great day!

Sincerely yours,

Dick

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



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The Department of Environmental Protection values your feedback as a customer. DEP Secretary Mimi Drew 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: Dibble, Dickson
Sent: Wednesday, October 06, 2010 11:28 AM
To: 'Scott Bennewitz'
Cc: Ajhar, Rebecca
Subject: Eagle Crusher - Machine Rated Capacity

Good morning once again Scott,

I was just reviewing the letter from Mr. Jay Glitz of Eagle Crusher dated October 4, 2010 where he communicates, ***“For your particular application of recycling concrete rubble, the 2010 Eagle 1200-25CC Portable Crushing and Screening Plant model number 33D5500 s/n 30821, has a maximum production rating of approximately 140 tons per hour.”***

I apologize, but there is a need to make some distinction between the “Machine Rated Capacity” and the maximum production rate of recycling concrete rubble.

While it is understood that each product has its own individual production rate, what I am looking for here is not the production rate of a specific item, but rather the maximum **Machine Rated Capacity** regardless of the product being processed.

I did go to the internet and the Eagle Crusher website, but their specification sheet for the 1200-25CC is not specific. Basically, it says that capacity will vary with the product, and quantity and size of the product.

I would appreciate any help that you could render, so that I will be able to continue the processing and review of your registration and entitlement to operate.

If you have any questions, comments, or concerns please e-mail or call.

Thank you and have a great day!

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



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Tracking:

Recipient

'Scott Bennewitz'

Ajhar, Rebecca

Delivery

Delivered: 10/14/2010 4:47 PM

Read

Read: 10/14/2010 5:53 PM

October 4, 2010

Southern Waste Systems
6911 Wallis Road
West Palm Beach, FL 33413

To Whom It May Concern:

For your particular application of recycling concrete rubble, the 2010 Eagle 1200-25CC Portable Crushing and Screening Plant model number 33D5500 s/n 30821, has a maximum production rating of approximately 140 tons per hour.

Please keep in mind that this would be a Maximum Rated Capacity, other conditions beyond our control may reduce the capacity of the 1200-25CC. These conditions include feed size and shape, moisture content, amount of metal in the feed material, size and type of feeding equipment, and the size and capacity of other processing equipment in the circuit.

Please contact me if I can be of further assistance.

Jay Giltz
C.A. Jay Giltz
Eagle Crusher Company
Applications Manager



EAGLE CRUSHER

COMPANY, INCORPORATED

LETTER #2

October 14, 2010

Southern Waste Systems
6911 Wallis Road
West Palm Beach, FL 33413

To Whom It May Concern:

The 2010 Eagle 1200-25CC Portable Crushing and Screening Plant model number 33D5500 s/n 30821, has a Manufactures maximum machine rated capacity of 145 tons per hour.

Please keep in mind that this would be a Maximum Rated Capacity, other conditions beyond our control may reduce the capacity of the 1200-25CC. These conditions include feed size and shape, moisture content, amount of metal in the feed material, size and type of feeding equipment, and the size and capacity of other processing equipment in the circuit.

Please contact me if I can be of further assistance.

Jay Giltz
C.A. Jay Giltz
Eagle Crusher Company
Applications Manager



Dibble, Dickson

To: Scott Bennewitz
Subject: Emailing: Eagle Crusher Company, Inc.

Rogers Recycling Co.

FROM ROCK TO RECYCLE:



Versatile Impactor/Screening Plant Tackles Two Markets

When Ralph Rogers founded the Rogers Group some ninety years ago, he didn't know that it would become the largest privately held aggregate production company in the U.S. or that it would one day spin off a subsidiary to cash in on the recycling trend. That subsidiary is Louisville, Kentucky-based Rogers Recycling Company, LLC, a flexible, market-focused organization that profitably processes both aggregate and recycle with its highly versatile equipment.

No doubt Ralph Rogers was on the cutting edge way back then, and the Rogers Group and its subsidiary are on the cutting edge now. With more than 50 locations in six states, this massive aggregate producer is keen on refining its current limestone operations while expanding into numerous C&D, concrete, and asphalt recycling applications.

Since May of 1996, Rogers Recycling Company, LLC has been active on two fronts — as a supplemental crushing contractor to the Rogers Group quarries and as one of Louisville's leading recyclers. "Our challenge is maintaining flexibility," says Rogers Recycling Company manager Joe Winiger. "We have to serve our market, whether it's asphalt and concrete recycling or staying in tune with the aggregate production required by Rogers Group."

However, during its first year of operation, the company's dilemma was operating with crushing equipment that couldn't handle both large and small aggregate and recycle projects while offering optimum portability. "The original plant we purchased (a 4860 impactor) was primarily an aggregate producing plant," says Winiger. "Due to its size, it was cumbersome and prevented us from participating in smaller recycling jobs. It takes such a large job to justify its mobilization. The entire operation [including the loader] requires 14 loads. Seventy-five percent of those loads require permits while 50% require escorts. We were forced to keep that plant where it could be productive and make the most money — and that was in limestone," explains Winiger. "So we were still not in the recycling business like we wanted to be. We needed a plant that's capable of participating in almost any size job and in any aggregate or recycle application."

Portability and Ease of Use

In October of 1997, the problem was finally solved with the purchase of a portable UltraMax 1200-25CC (closed-circuit) crushing and screening system manufactured by Galion, Ohio-based Eagle Crusher Company. The portable plant's versatility allows Rogers Recycling Company to move quickly and cost-effectively from the quarry to a C&D job site — or from a concrete recycling yard to a RAP crushing project. "It's been running non-stop," says Winiger. "From aggregate to recycle, we change nothing about the plant other than crusher settings."

The actual 1200-25CC plant (with its 5' x 16' double-deck screen) travels on two loads," says Winiger. "Plus, we take a loader and two additional 30' x 60' conveyors. We can be set up in about four hours. It took us four days to set up our other plant — and that was when everything went right."

Eagle Crusher Company engineers designed the UltraMax 1200-25CC with a hydraulic lift/leveling system that allows relocation in a fraction of the typical set-up and tear-down time required by comparable plants. The plant is self-contained and has a travel height of 13'6", a weight of 117,000 lbs., and a 48" x 34" crusher feed opening.



On the aggregate side, Rogers Recycling Company uses the UltraMax 1200-25CC to process specialty limestone products and, to a lesser extent, sand & gravel and coal. "As a supplemental crusher for Rogers Group," says Winiger, "we move the UltraMax plant in when they need to stay ahead of market demand or when the customer requires specialty products [such as 2 1/2" x 1 1/2", 1" x 1/2", or 1 1/2" x 0" road base products]". As the Rogers Group is running hard on its basic core products (coarse aggregate for ready mix and asphalt), their stationary plants may not be able to change modes to accommodate other products. The portability and versatility of the Eagle plant allows us to move in quickly and do the job."

As for the recycle side, Winiger cautions, "Before you jump into recycling, you have to know your equipment. Obviously, most crushers will crush, but will they do it efficiently?"

Where the UltraMax 1200-25CC is concerned, Winiger touts a considerable comfort zone. "We're not afraid to put anything into that crusher," he says about its performance in the toughest recycle applications.

Massive, Solid-Steel Rotor!

"The plant takes the blows and the hard knocks," comments Winiger. He credits that ability to its solid-steel, 3-bar rotor, the most massive in the industry.

"The secondary curtain top sizes what's going to come out of that crusher. We operate at no more than 15% to 20% of the material re-circulating. That way, we maximize the life of the blow bars while still maintaining 200 TPH or more production capacity, depending upon what we're crushing." Dividing its time between on-site and in-yard recycle crushing, Rogers Recycling Company maintains two collection sites — one at a Rogers Group quarry and the other at a strategically positioned yard in Louisville where excavated concrete and asphalt is accepted by the truckload for a modest tipping fee. Products produced in the yards are typically 2" minus and #57 road base.



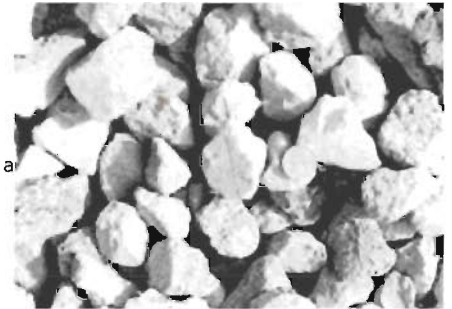
"The majority of asphalt we handle is processed in the producers' yards," says Winiger. "They might have millings that have balled up or melded together. We size that material for surface or base mix." Winiger adds that, due to the plant's high reduction ratio and efficient screening capability, the 1200-25CC is ideal for RAP.

Branching Out Into Demolition And Recycling

Rogers Recycling also handles a number of demolition jobs. "Right now, we're crushing the remains of an elementary school building that is making way for a large building supply and home improvement chain store. We're set up right where the future parking lot will be. The contractor is able to take the concrete as we crush it and use it for temporary roadway for its rolling stock equipment. The steel is separated and recycled."

When asked to comment on the future of the recycle industry, Winiger cites a local example. "In Kentucky, a lot of concrete is going into permit by rule," he explains. "The legislature allows each landfill to cover up to one acre with C&D debris. While this is a competitive situation to us now, it won't be for long. These 'honey holes,' as we call them, will soon fill up."

"We think we're in on the front end of the curve, and we're educating as many people as possible as to the benefits of recycling," says Winiger. He believes that the company's present focus on aggregate will decrease as its recycle business increases.



Field Tests Prove Two is Better than One in Aggregate, Too!

Eagle Crusher has a more cost-effective way to crush aggregate — by coupling a horizontal-shaft impact primary with a smaller HSI secondary.

After completing field tests in New York, the company found that placing a UM04 behind an UltraMax® 1400-45 helps alleviate the re-circulating load and produces a more salable #8, 1/2" minus asphalt spec product.

"The UM04 is making an extremely cubical product, which the asphalt producer needs,"

Bob Mrozinski, field salesman for Capitol Equipment, an Eagle Crusher dealer.

This new way of applying the primary/secondary crusher circuit is proving to be profitable for some aggregates producers. "One of my customers was able to pay off the cost of his 04 skid in just three months," said Jay Giltz, applications manager for Eagle Crusher Company.

Eagle Crusher also found that when a smaller secondary HSI crusher is coupled with the primary impactor, the wear life of wear parts increases and the overall cost per ton is reduced.

Call 800-25-EAGLE for information or write sales@eaglecrusher.com

EAGLE CRUSHER

[Site Map](#) | ©2007 Eagle Crusher, Inc.

Dibble, Dickson

From: Dibble, Dickson
Sent: Wednesday, October 06, 2010 11:28 AM
To: 'Scott Bennewitz'
Cc: Ajhar, Rebecca
Subject: Eagle Crusher - Machine Rated Capacity
Attachments: 2010 EagleCrusher1200-25CC sn 30821.pdf

Good morning once again Scott,

I was just reviewing the letter from Mr. Jay Glitz of Eagle Crusher dated October 4, 2010 where he communicates, "***For your particular application of recycling concrete rubble, the 2010 Eagle 1200-25CC Portable Crushing and Screening Plant model number 33D5500 s/n 30821, has a maximum production rating of approximately 140 tons per hour.***"

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Thank you and have a great day!

Sincerely yours,

Dickson E. Dibble

Dickson E. Dibble, ES III

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Recipient
'Scott Bennewitz'
Ajhar, Rebecca

Delivery

Delivered: 10/6/2010 11:28 AM

Dibble, Dickson

From: Scott Bennewitz [sbennewitz@southernwastesystems.com]
Sent: Tuesday, October 05, 2010 1:50 PM
To: Dibble, Dickson
Subject: FW:
Attachments: 2010 1200-25CC John Deere 13.5L.pdf; 1200-25CC sn 30821.pdf

Attached please find information you requested for the Eagle Crusher and for the John Deere power plant. The attached email states the motor is 450 HP. If you have any additional questions please call.

Scott Bennewitz

Director of Development

Southern Waste Systems LLC

790 Hillbrath Drive / Lantana, Florida 33462

C. 561-702-4715 O. 561-582-6688 ext- 320



Gold Level Member of the USGBC South Florida Chapter Donor Circle Program

Please consider the environment before printing this email.

www.southernwastesystems.com

From: Lisa Strickland [mailto:lstrickland@eaglecrusher.com]
Sent: Monday, October 04, 2010 2:41 PM
To: Scott Bennewitz
Cc: Bill Magness
Subject:

Scott,

Attached is the information that we spoke about.

The John Deere engine is 450HP @ 1800 RPM.

Have a great week,

Lisa Strickland

Eagle Crusher Company, Inc.

✉ Email: lstrickland@eaglecrusher.com

☎ Phone: 419-468-2288 x246

📠 Fax: 419-468-4840

🌐 Web: www.eaglecrusher.com



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF TRANSPORTATION AND AIR QUALITY
WASHINGTON, DC 20460



CERTIFICATE OF CONFORMITY
2010 MODEL YEAR

Manufacturer: **JOHN DEERE POWER SYSTEMS**
Engine Family: **AJDXL13.5103**
Certificate Number: **JDX-NRCI-10-03.1**
Intended Service Class: **NR 6 (130-225) NR 7 (225-450) NR 8 (450-560)**
Fuel Type: **DIESEL**
FELs: g/kW-hr **NMHC +NOx: 3.7 NOx: NA PM: .19**
Effective Date: **12/16/2009**
Date Issued: **12/16/2009**

Karl J. Simon, Director
Compliance and Innovative Strategies Division
Office of Transportation and Air Quality

Pursuant to Section 111 and Section 213 of the Clean Air Act (42 U.S.C. sections 7411 and 7547) and 40 CFR Part 60 and Part 89, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following stationary and nonroad engines, by engine family, more fully described in the documentation required by 40 CFR Part 60 and 89, and produced in the stated model year.

This certificate of conformity covers only those new stationary and nonroad compression-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 60 and 89 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 60 and 89.

This certificate of conformity is conditional upon compliance of said manufacturer with the averaging, banking and trading provisions of 40 CFR Part 89, Subpart C. Failure to comply with these provisions may render this certificate void ab initio.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 89.129-96 and 89.506-96 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to a revocation or suspension of this certificate for reasons specified in 40 CFR Part 89. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void ab initio for other reasons specified in 40 CFR Part 89.

This certificate does not cover stationary and nonroad engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2010	AJDXL13.5103	13.5	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Control Module, Direct Diesel Injection, Turbo Charger, Charge Air Cooler, Smoke Puff Limiter, Exhaust Gas Recirculation			Tractor, Loaders, Dozer, Pump, Compressor, Generator Set, Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
225 ≤ kW < 450	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
450 ≤ kW < 560	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		FEL	--	--	3.7	--	0.19	--	--	--
		CERT	--	--	3.4	0.6	0.10	11	1	20

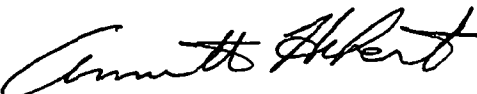
BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 26 day of August 2009.


 Annette Hebert, Chief
 Mobile Source Operations Division

Engine Model Summary Form

Date: 08/04/2009 Attachment: page 1 of 1

Manufacturer: John Deere Power Systems
 Engine category: Nonroad CI
 EPA Engine Family: AJDXL13.5103
 Mfr Family Name: 650HAA
 Process Code: New Submission

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm ³ /stroke @ peak HP (for diesel only)	5.Fuel Rate: (lb/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm ³ /stroke@peak torque	8.Fuel Rate: (lb/hr)@peak torque	9.Emission Control Device Per SAE J1930
6135HF485A	6135H	630.29@2100	311.00@2100	218.30@2100	2025.08@1575	383@1575	206.31@1575	EGR EM EC
6135HF485B	6135H	600.78@2100	296.30@2100	209.73@2100	1880.54@1575	354.5@1575	188.19@1575	EM EG REC
6135HF485C	6135H	549.82@2100	274.60@2100	194.41@2100	1792.04@1400	358.8@1400	168.28@1400	EM EG REC
6135HF485D	6135H	549.82@2100	274.60@2100	194.41@2100	1792.04@1400	358.8@1400	168.28@1400	EM EG REC
6135HF485E	6135H	525.89@2100	265.70@2100	188.08@2100	1792.04@1400	357.6@1400	168.79@1400	EM EG REC
6135HF485F	6135H	500.21@2100	251.80@2100	178.20@2100	1688.80@1400	332.1@1400	156.71@1400	EM EG REC
6135HF485G	6135H	500.21@2100	251.80@2100	178.20@2100	1688.80@1400	332.1@1400	156.71@1400	EM EG REC
6135HF485H	6135H	500.21@1800	272.70@1900	174.63@1900	1792.04@1400	359.9@1400	169.87@1400	EM EG REC
6135HF485T	6135H	537.75@1800	308.90@1800	187.44@1800				EM EG REC
6135HF485S	6135H	618.88@1800	347.80@1800	210.98@1800				EM EG REC
6135HF485I	6135H	450.59@2100	226.40@2100	160.28@2100	1521.39@1400	350.6@1400	165.50@1400	EM EG REC
6135HF485J	6135H	450.59@2100	226.40@2100	160.28@2100	1521.39@1400	350.6@1400	165.50@1400	EM EG REC
6135HF485K	6135H	450.59@1900	243.40@1900	155.87@1900	1688.80@1400	334.9@1400	158.05@1400	EM EG REC
6135HF485L	6135H	425.11@2100	210.40@2100	148.92@2100	1521.39@1400	302.5@1400	142.75@1400	EM EG REC
6135HF485M	6135H	399.63@2100	199.50@2100	141.21@2100	1352.51@1400	285.8@1400	134.77@1400	EM EG REC
6135HF485N	6135H	399.63@2100	199.50@2100	141.21@2100	1352.51@1400	285.8@1400	134.77@1400	EM EG REC
6135HF485O	6135H	399.63@1900	214.20@1900	137.17@1900	1521.39@1400	310.8@1400	146.61@1400	EM EG REC
6135HF485P	6135H	350.01@2100	177.30@2100	125.49@2100	1181.42@1400	217.9@1400	120.80@1400	EM EG REC
6135HF485Q	6135H	350.01@2100	177.30@2100	125.49@2100	1181.42@1400	217.9@1400	120.80@1400	EM EG REC
6135HF485R	6135H	350.01@1800	188.50@1900	120.75@1900	1352.51@1400	282.3@1400	133.21@1400	EM EG REC
6135HF485U	6135H	462.88@1800	257.30@1800	156.09@1800				EM EG REC
6135HRW02	6135H	496.18@2100	243.30@2100	172.29@2100	1713.13@1575	339.3@1575	180.16@1575	EM EG REC
6135HRW01	6135H	590.05@2100	290.40@2100	205.65@2100	1880.54@1575	368.6@1575	195.73@1575	EM EG REC
6135HN001	6135H	500.21@2100	251.80@2100	178.20@2100	1688.80@1400	332.1@1400	156.71@1400	EM EG REC
6135HH001A	6135H	527.03@2200	258.30@2200	190.22@2200	1530.98@1600	317.1@1600	171.09@1600	EM EG REC
6135HH001B	6135H	488.80@2200	236.20@2200	175.23@2200	1530.98@1600	318.7@1600	171.92@1600	EM EG REC
6135HZ007A	6135H	576.64@2100	283.70@2100	201.06@2100	1880.54@1575	355.4@1575	188.81@1575	EM EG REC
6135HZ007B	6135H	552.51@2100	275.90@2100	195.33@2100	1792.04@1400	356.8@1400	168.28@1400	EM EG REC
6135HDWD1A	6135H	358.08@2000	192.10@2000	129.59@2000	1352.51@1500	289.2@1500	146.28@1500	EM EG REC
6135HDWD1B	6135H	295.03@2000	163.00@2000	109.87@2000	1224.18@1500	259.8@1500	131.40@1500	EM EG REC
6135HFC48A	6135H	600.78@2100	298.30@2100	209.73@2100	1880.54@1575	354.5@1575	188.19@1575	EM EG REC
6135HFC48B	6135H	618.88@1760	359.00@1760	213.18@1760				EM EG REC
6135HFC48C	6135H	600.78@2100	303.40@2100	214.97@2100				EM EG REC

DDI, TC,
CAC, SIL



EAGLE CRUSHER

COMPANY, INCORPORATED

October 4, 2010

Southern Waste Systems
6911 Wallis Road
West Palm Beach, FL 33413

*NOT MAXIMUM
RATED CAPACITY*

To Whom It May Concern:

For your particular application of recycling concrete rubble, the 2010 Eagle 1200-25CC Portable Crushing and Screening Plant model number 33D5500 s/n 30821, has a maximum production rating of approximately 140 tons per hour.

Please keep in mind that this would be a Maximum Rated Capacity, other conditions beyond our control may reduce the capacity of the 1200-25CC. These conditions include feed size and shape, moisture content, amount of metal in the feed material, size and type of feeding equipment, and the size and capacity of other processing equipment in the circuit.

Please contact me if I can be of further assistance.

Jay Giltz
C.A. Jay Giltz
Eagle Crusher Company
Applications Manager

TEAM EAGLE