



Job Bush
Governor

Department of Environmental Protection

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

David B. Strube
Secretary

FEB 10 2000

FILE

CERTIFIED MAIL

P 109 463 058
Thompson S. Baker, II
President Aggregates Group
Florida Rock Industries, Inc.
P.O. Box 4667
Jacksonville, FL 32201

DEP File No. 1110072-009-AC
St. Lucie County
Project: Installation of custom portable
screening unit

RE: Status of Application Review -- Request for Additional Information

Dear Mr. Baker:

We have reviewed your application for a permit to construct an air pollution source, received on September 22 and your responses to the Department's October 22 and December 15 Request for Additional Information received on November 18 and January 10, 2000. Your application for a permit is incomplete. Please provide the following information promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

Please provide the following information in order to complete review of your application pursuant to Chapters 120 and 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4.070(1) and 62-204 through 62-297.

1. The Department is not assured that the subject facility can remain a synthetic minor facility based on information submitted on November 15, 1999 and January 5, 2000. Specifically, some calculations were based on maximum consumption rates, while others were based on average rates. Potential to emit is based on maximum capacity not average pursuant to definition of "potential to emit" at Rule 62-210.200(228), F.A.C. The November 15 submittal requested an increase in fuel consumption (294,840 gallons) while the January 5 submittal reverted to the existing permitted allowance of 114,590 gallons. Please resubmit a potential-to-emit table based on the maximum consumption rates.

Please take notice that the January 5 submittal did not include the consumption rates for the Cedar Rapids crusher. Although it has been requested to be permitted by the Tallahassee Office, doing so does not delete it from computing potential-to-emit.


Note that all submittals must be signed and sealed by a professional engineer registered in the state of Florida.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.

If you have any questions, please contact me at 361-681-6632. When referring to this project, please use the file number indicated.

Sincerely,



Lennon Anderson
Air Permitting Engineer

cc: Mr. Steven C. Cullen, P.E.
Koogler & Associates
4014 NW 13th Street
Gainesville, FL 32609



Jeb Bush
Governor

1110072-009 -
Department of
Environmental Protection

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

David B. Scrubs
Secretary

FAX TRANSMITTAL

DATE 02/10/00 # OF PAGES (including this page) 3

FROM: Lenn Anderson

TO: Bill Leffer, PE

PERSON SENDING FAX: _____

AGENCY: _____

TRANSMITTAL ON A HITACHI/HIFAX/35

FAX NUMBER: _____

FAX NUMBER: (407) 681-6790-(AIR PROGRAM FAX)

IF ANY OF THE PAGES ARE NOT CLEARLY RECEIVED PLEASE CALL SENDER AT: (407) - 681-6800
S/C 228-6600

COMMENTS: FYI

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FILE

DEC 15 1999

CERTIFIED MAIL

P 109 463 044

Thompson S. Baker, II
President Aggregates Group
Florida Rock Industries, Inc.
P.O. Box 4667
Jacksonville, FL 32201

DEP File No. 1110072-009-AC

St. Lucie County

Project: Installation of custom portable
screening unit

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Please provide the following information in order to complete review of your application pursuant to Chapters 120 and 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4.070(1) and 62-204 through 62-297.

1. The list of existing diesel powered units (i.e., diesel drives, diesel generators and diesel driven water pumps) provided in your response is not consistent with our records. For example, on November 24, 1998, a permit (copy attached) was issued stating that the following emission units are no longer in service:

- a. Cedar Rapids Crusher/4340
- b. Diesel engine Detroit/1271 and CAT/3408

However, in the response received on November 18, the Cedar Rapids Crusher/4340 and the diesel engine (CAT/3408) are listed as still in operation. Please resubmit an updated list of all existing diesel powered units with the maximum consumption rates, including whether the emission unit belongs to one of the following category: Crusher, Power Unit, Screening, Conveying or Water Pump.

Note that all submittals must be signed and sealed by a professional engineer registered in the state of Florida.

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If you have any questions, please contact me at 561-681-6632. When referring to this project, please use the file number indicated.

Sincerely,



Lennon Anderson
Air Permitting Engineer

cc: Mr. Steven C. Cullen, P.E.
Koogler & Associates
4014 NW 13th Street
Gainesville, FL 32609



KOGGLEN & ASSOCIATES
ENVIRONMENTAL SERVICES

4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 • FAX/377-7158

Lennon Anderson
Southeast District-Air Permitting Engineer
Florida Department of Environmental Protection
P.O. Box 15425
West Palm Beach, FL 33416

KA187-99-05
November 15, 1999

RECEIVED

NOV 18 1999

DEPT OF ENV PROTECTION
WEST PALM BEACH

Subject: Florida Rock Industries, Inc
Installation of Custom Portable Screening Unit
Permit No. 1110072-009-AC

Dear Mr. Anderson:

For clarification, I have provided an updated list of all existing diesel powered units with the maximum consumption rates.

Existing Units:	<u>Diesel Equipment</u>	<u>Maximum Rates</u>
	Cedar Rapids Crusher	15 gph
	Cat 3408 Generator Set	11 gph
	Powerscreen Commander	7 gph
	Powerscreen Pump	5 gph
	Rip Rap Pump	4 gph
	Holland 10"x12" Hydraulic Lift Pump	6 gph
	Holland 10"x12" Hydraulic Lift Pump	6 gph

Proposed Unit:	<u>Diesel Equipment</u>	<u>Maximum Rates</u>
	MGL Screen Machine	11 gph (9 gph avg.)

The annual hours of operation will be limited to 4,680 hours per year. The annual emissions based on 4,680 hours per year and an average consumption rate of 63 gph are shown below:

Calculation of Emissions

a = Emission Factor AP-42 Version 5 Table 3.3-2 = lb/mmBtu

b = 63 gph x 140,000 Btu/gal x 1 mm/ 10⁶ x Emission Factor (a) = lb/hr

c = (b) x 4680 hr/yr x 1 ton/2000 lb = tons/yr

Table 1: Potential Emissions

	a = factor	b = lb/hr	c = tons/yr
PM	0.31	2.73	6.48
PM10	0.31	2.73	6.48
NO _x	4.41	38.90	91.01
CO	0.95	8.38	19.61
SO _x	0.29	2.58	5.99

This letter shall serve as a request to increase facility-wide fuel use while restricting hours of operation to maintain the synthetic limitation of emissions.

If you have any question, please call me at 352-377-5822.

Sincerely,

Koogler & Associates



Steven C. Cullen, P.E.

Ken Conwell, Project Engineer

cc: Thompson S. Baker II, President Aggregates Group Florida Rock Industries Inc.





Jeb Bush
Governor

Department of Environmental Protection

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

David B. Struhs
Secretary

OCT 22 1999

CERTIFIED MAIL

Thompson S. Baker, II
President Aggregates Group
Florida Rock Industries, Inc.
P.O. Box 4667
Jacksonville, FL 32201

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St. Lucie County
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Please provide the following information in order to complete review of your application pursuant to Chapters 120 and 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4.070(1) and 62-204 through 62-297.

1. According to our records, the basis for the 114,590 gallons of No. 2 fuel oil limitation in the most current permit (1110072-008-AO) is to keep the facility as a non-Title V source and avoid public notice requirements. The 114,590 gallons was derived by restricting the fuel oil consumption rates of the diesel drive and generator from 28 and 8.5 gal/hr to 10.25 and 5.25 gal/hr, respectively. The annual hours of operation was also limited to 4,680 hours per year for the drive and generator as shown below:

Drive:	10.25 gal/hr x 4680	=47,970
Generator:	5.25 gal/hr x 4680	=24,570
Pumps:	4.8 gal/hr x 8760	=42,050
	Total	114,590

Please elaborate (show calculations) on how bringing on-line a new diesel powered unit (Cummins SBTA 5.9-C174) for the new custom portable screening unit with a fuel consumption rate of 9 gal/hr which consumes 78,880 gallons annually will meet the total gallons allowed (114,590) with the fuel consumption rates as specified above.

2. For clarification, please provide an updated list of all existing diesel powered units (i.e., diesel drives, diesel generators and diesel driven water pumps) including the maximum consumption rates.

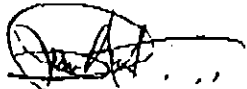
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