

8-7-2000

GENERAL OFFICE: 155 EAST 21ST STREET / P.O. BOX 4667 / JACKSONVILLE, FLORIDA 32

FLORIDA ROCK INDUSTRIES INC MINING, READY MIX CONCRETE, AND CONSTRUCTION

B:11,
Place a copy in
each file.
J. Berry,
Bony

August 4, 2000

RECEIVED

AUG 07 2000

Mr. C. H. Fancy, P.E.
Chief, Bureau of Air Regulation
Florida Department of Environmental Protection
2600 Blair Stone Road, Mail Station 5505
Tallahassee, Florida 32399-2400

BUREAU OF AIR REGULATION

Re: Withdrawal of Applications for Air Construction Permits
For Relocatable Facilities and Processing Fee Refunds
Florida Rock Industries, Inc.

Dear Mr. Fancy:

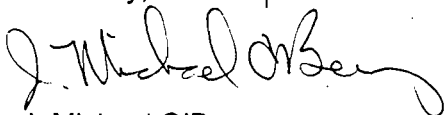
Due to our decision, in consultation with your staff, to include all relocatable processing equipment in the stationary permits issued to each of Florida Rock's rock mining operations, we hereby withdraw the following portable facility permit applications and request the refund of their respective processing fees:

- 1110072-010-AC
- 1110072-011-AC
- 1110072-012-AC
- 1110072-013-AC
- 0210018-004-AC
- 7775111-001-AC

We would like to thank you and your staff for your assistance in this matter. Specifically, Bruce Mitchell and Bill Leffler thoughtfully considered this somewhat complicated situation and provided sound advice to us concerning the appropriate method of handling the permitting of this equipment.

Please feel free to contact me if you have any questions regarding this matter.

Sincerely,



J. Michael O'Berry
Manager, Environmental
Permitting Services

/jmo'b

cc: Roland Boney
Don Darley
Steve Cullen – Koogler & Associates

FLORIDA ROCK INDUSTRIES INC
 RELOCATABLE PERMITS PENDING
 William Leffler PE

recd	description	present location	facility number	existing permit number	old permit expires	new permit number	fee	proposed operating capacity	estimated annual emissions	dept action	clock	other remarks
JAN 18, 2000	TRANSPORTABLE CEDAR RAPIDS CRUSHER	St lucie Quarry	1110072-005					1250		request for addl info filed 2/8/2000 Computer problem transferring exist source to 777 ID	stayed	applicant says not subject to 40cfr60 subpart 000. DEP inspector says unit was abandoned after removal from immocolee. Now undergoing substantial reconstruction and repowering which will probably make it subject to 000
2/9/2000	Relocatable cedar Rapids KC1038 with diesel power unit	sunniland	210018					300 tph x 1250 8760 hrs		Computer problem transferring existing exist source ID to 777 ID	running	Department records indicate permit issued to Sunniland not Florida Rock
2/9/2000	MGL Custom Screening Unit (Classifier) Self contained Diesel Powered	St Lucie Quarry						400 tph x 2250 8760		Computer problem transferring existing exist source ID to 777 ID	running	application says subject to 40 cfr60subpart000
2/9/2000	Hewitt Robbins relocatable Model 3654 with diesel power and diesel-electric auxiliaries	St Lucie Quarry	1110072-001	1110072-001				350 tph x 2250 8760 hrs		Computer problem transferring existing exist source ID to 777 ID	running	application admits subj to 40cfr60subpart000
2/9/2000	Relocatable cedar Rapids crusher Model 4030 GM1271 diesel powered (w. diesel electric auxiliaries)	Ft Myers Quarry	0710126-002	777511-01AC				600tph x 1250 8760hrs	PM 2.6 tpy	Computer problem existing exist source ID to 777 ID	running	admitted subject to NSPS
2/8/2000	powerscreen commander 100 sf/ 100 tph (diesel powered)	st lucie Quarry	11072					1250	1.75 tpy pm .83 tpy pm10	Computer problem transferring existing exist source ID to 777 ID	running	prev ve test 09 29 98 application admits process subject to 40cfr60subpart 000

<p>Please provide copies of existing construction and operating permits for this facility. The application suggests this information is in the possession of the Department but fails to provide any old permit numbers or facility identification. Department records do not match with the equipment described in the application and information recorded for Permit 1110072-005-AO, which was issued on September 28, 1996, and which appears to be a modification of permit 1110072-003-AO, which had expired.</p>						
<p>Please provide facts supporting the assertion that this Cedar Rapids Portable Crushing unit is not subject to 40 CFR 60, Subpart OOO, as specified on pages 11, 12 and 14 of the application.</p>						
<p>Please provide a copy of the area map and plot plan referenced on page 10 of the application. Department records do not appear to include this information. The map was not attached to the application.</p>						

<p>Please provide a list of each power unit, whether internal combustion engines or electric motors associated with this relocatable crusher, including the manufacturer, model number, serial number and date of installation</p>						
<p>With respect to each item described in the response to query 4. above, please describe any repairs or renovations since this facility was last permitted, the nature and cost thereof, and further differentiating between ore or mineral contact surface and general mechanical, electrical, power-train and structural repairs.</p>						
<p>Can this transportable crusher unit be operated from commercial electric power without the use of the diesel generator set described as emission unit 002 in the application?</p>						
<p>Please provide an estimate of the capital cost of a replacement transportable unit similar to that for which the permit application is directed</p>						
<p>For each crusher, or grinding mill, please provide: (i) The rated capacity in tons per hour of the existing facility being replaced; (ii) the rated capacity in tons per hour of the replacement equipment; and, (iii) the date of manufacture of such crusher or grinder. Has this assembly ever been of a size or capacity different than specified on page 13 of the application?</p>						

<p>For a screening operation please provide: (i) The total surface area of the top screen of the existing screening operation being replaced; (ii) the total surface area of the top screen of the replacement screening operation; and, (iii) the date of manufacture of such screens or classifiers. Have any of these assemblies ever been of a size or capacity different than specified on page 13 of the application?</p>						
<p>For each belt conveyor: (i) The width and speed of the existing belt being replaced; and, (ii) the width and speed of the replacement conveyor belt. Have any of these conveyors ever been of a size or capacity different than specified on page 13 of the application?</p>						
<p>Please indicate dates and results of any written reports all performance tests conducted to demonstrate compliance with the standards set forth in Rule 62-297.310 (7)(a)4.a., Florida Administrative Code (F.A.C.) or 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e).</p>						
<p>Please specify the nature of any materials to be crushed or processed by this unit, whether quarry run lime-rock, concrete recycling, asphalt pavement recycling, specific other materials, or combinations thereof</p>						

<p>Please provide calculations indicating any VOC and Carbon Monoxide emissions from this facility, which would presumably be emitted by the internal combustion engines</p>						
<p>Please describe the precautions to prevent emissions of unconfined particulate material. If this is to be a water spray, indicate application rates in gallons per ton and location of spray nozzles. Also, please describe precautions to be applied to storage piles, haul road or yard areas</p>						
<p>Please verify that internal combustion engines will operate on commercial No. 2 virgin diesel fuel. Please provide the maximum sulfur content, by weight, of the fuel oil to be burned; the estimated daily fuel consumption; and, describe amount and facilities for fuel oil storage.</p>						

<p>Please provide copies of existing construction and operating permits for this facility. The application suggests this information is in the possession of the Department but fails to provide any old permit numbers or facility identification. Department records do not match with the equipment described in the application and information recorded for Permit 1110072-005-AO, which was issued on September 28, 1996, and which appears to be a modification of permit 1110072-003-AO, which had expired.</p>						
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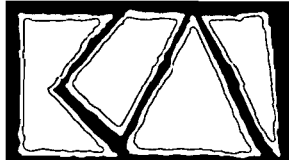
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<p>Please specify the nature of any materials to be crushed or processed by this unit, whether quarry run lime-rock, concrete recycling, asphalt pavement recycling, specific other materials, or combinations thereof</p>						

<p>Please provide calculations indicating any VOC and Carbon Monoxide emissions from this facility, which would presumably be emitted by the internal combustion engines</p>						
<p>Please describe the precautions to prevent emissions of unconfined particulate material. If this is to be a water spray, indicate application rates in gallons per ton and location of spray nozzles. Also, please describe precautions to be applied to storage piles, haul road or yard areas</p>						
<p>Please verify that internal combustion engines will operate on commercial No. 2 virgin diesel fuel. Please provide the maximum sulfur content, by weight, of the fuel oil to be burned; the estimated daily fuel consumption; and, describe amount and facilities for fuel oil storage.</p>						

FLORIDA ROCK INDUSTRIES INC
 RELOCATABLE PERMITS PENDING
 William Lettler PE

rect	description	present location	facility number	existing permit number	old permit expires	new permit number	fee	proposed operating capacity	estimated annual emissions	dept action	clock	other remarks
EU 001	JAN 18, 2000 TRANSPORTABLE CEORAR RAPIDS CRUSHER	St lucie Quarry	1110072-000	009	4/10/02 AC/40	30 Nov 2003		1250		request for addl info filed 2/8/2000 Computer problem xfering exist source to 777 ID	stayed	Application says No 000
	Relocatable cedar Rapids KC1038 with diesel power unit	sunniland	210018					300 tph x 1250 8760 hrs		Computer problem transferring existing exist source ID to 777 ID	running	Department records indicate permit issued to Sunniland not Florida Rock
	MGL Custom Screening Unit (Classifier) Self contained Diesel Powered	St Lucie Quarry	001					400 tph x 2250 8760		Computer problem transferring existing exist source ID to 777 ID	running	application says subject to 40 cfr60subpart000
EU 001	Hewitt Robbins relocatable Model 3654 with diesel power and diesel-electric auxiliaries	St lucie Quarry	1110072-001	1110072-001				350 tph x 2250 8760 hrs		Computer problem transferring existing exist source ID to 777 ID	running	application admits subj to 40cfr60subpart000
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	powerscreen commander 100 s/ 100 tph st lucie (diesel powered)	Quarry	11072	777511-01AC				1.75 tpy pm .83 tpy. pm10		Computer problem transferring existing exist source ID to 777 ID	running	prev ve test 09 29 98 application admits process subject to 40cfr60subpart 000



KOOGLER & ASSOCIATES
ENVIRONMENTAL SERVICES
4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 ▪ FAX/377-7158

RECEIVED
FEB 09 2000
BUREAU OF AIR REGULATION

KA187-99-11
January 25, 2000

Bill Leffler
Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

SUBJECT: Florida Rock Industries, Inc.
Application for Air Construction Permit
Relocatable Powerscreen Commander Screening Unit

Dear Mr. Leffler:

Enclosed please find four (4) copies of the referenced application. A check for \$1250 is enclosed as the applicable processing fee.

Please call me if you have any questions at (352) 377-5822.

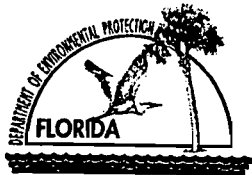
Sincerely,

Koogler & Associates

Kenneth F. Conwell, Project Engineer

Encl.

cc: Mike O'Berry--Florida Rock Industries, Inc.



Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: Florida Rock Industries, Inc.	
2. Site Name: Powerscreen Commander Portable Screening Unit	
3. Facility Identification Number: 1110072 [] Unknown	
4. Facility Location: Street Address or Other Locator: 14171 Rangeline Road City: Port St. Lucie County: St. Lucie Zip Code: 34987	
5. Relocatable Facility? [<input checked="" type="checkbox"/>] Yes [] No	6. Existing Permitted Facility? [<input checked="" type="checkbox"/>] Yes [] No

Application Contact

1. Name and Title of Application Contact: Ken Conwell, Project Engineer	
2. Application Contact Mailing Address: Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: FL Zip Code: 34609	
3. Application Contact Telephone Numbers: Telephone: (352) 377-5822 Fax: (352) 377-7158	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	2-9-2000
2. Permit Number:	1110072-011-AC

Purpose of Application

Air Operation Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
- Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number: _____

- Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number: _____

Operation permit number to be revised: _____

- Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s):

- Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

Operation permit number to be revised: _____

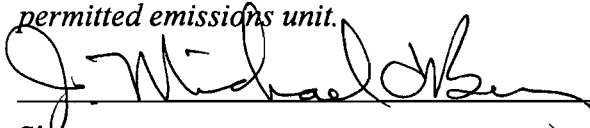
Reason for revision: _____

Air Construction Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Air construction permit to construct or modify one or more emissions units.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative: Mike O'Berry – Manager of Environmental Permitting Services
2. Owner/Authorized Representative Mailing Address: Organization/Firm: Florida Rock Industries, Inc. Street Address: P.O. Box 4667 City: Jacksonville State: FL Zip Code: 32201
3. Owner/Authorized Representative Telephone Numbers: Telephone: (904) 355-1781 Fax: (904) 355-0469
4. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative* of the facility addressed in this application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained 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 understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>  Signature _____ Date <u>3/17/08</u>

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: Steven C. Cullen, P.E. Registration Number: 45188
2. Professional Engineer Mailing Address: Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: FL Zip Code: 32609
3. Professional Engineer Telephone Numbers: Telephone: (352) 377-5822 Fax: (352) 377-7158

4. Professional Engineer Statement:

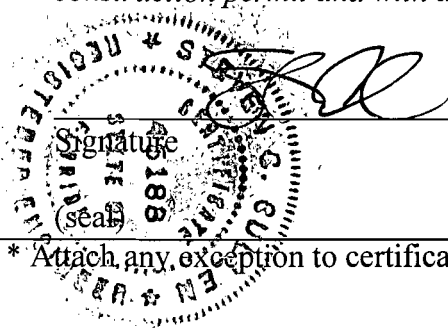
I, the undersigned, hereby certify, except as particularly noted herein, that:*

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [X], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [], if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

A circular professional engineer seal for the State of Florida. The seal contains the text "STATE OF FLORIDA" around the top edge, "PROFESSIONAL ENGINEER" around the bottom edge, and "G. S. GUNTER" in the center. The number "188" is also visible within the seal. A signature is written over the seal.

Date 1/24/2000

* Attach any exception to certification statement.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

Florida Rock Industries, Inc. is requesting a construction permit for a portable screening unit to be operated in all of the counties in the state of Florida.

This unit is subject to NSPS Subpart OOO when used at non-metallic mineral processing plants with crushing operations.

Initial compliance testing in accordance with 40 CFR 60.8 was satisfactorily conducted on September 29, 1998.

2. Projected or Actual Date of Commencement of Construction: **Upon DEP Approval**

3. Projected Date of Completion of Construction: **Upon DEP Approval**

Application Comment

[Empty box for Application Comment]

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone: 17 East (km): 547.2 North (km): 3014.0			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): 25°52'44" Longitude (DD/MM/SS): 80°23'37"			
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 14	6. Facility SIC(s): 1422
7. Facility Comment (limit to 500 characters): The facility location given above is the present location of the unit. Any new site location will be provided to FDEP prior to relocation. This portable unit will operate in different locations within the state of Florida based on project requirements.			

Facility Contact

1. Name and Title of Facility Contact: Kenny Smith – Plant Manager		
2. Facility Contact Mailing Address: Organization/Firm: Florida Rock Industries, Inc. Street Address: 14171 Rangeline Road City: Fort St. Lucie State: FL Zip Code: 34987		
3. Facility Contact Telephone Numbers: Telephone: (561) 461-8052 Fax: (561) 461-9007		

Facility Regulatory Classifications

Check all that apply:

1. [] Small Business Stationary Source?	[X] Unknown
2. [] Synthetic Non-Title V Source?	
3. [] Synthetic Minor Source of Pollutants Other than HAPs?	
4. [] Synthetic Minor Source of HAPs?	
5. [X] One or More Emissions Units Subject to NSPS?	
6. [] One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?	
7. Facility Regulatory Classifications Comment (limit to 200 characters):	

Rule Applicability Analysis

The facility is subject to certain provisions of these rules:

Rule 62-4, FAC
Rule 62-204, FAC
Rule 62-210, FAC
Rule 62-296, FAC
Rule 62-297, FAC
40 CFR 60, Subpart A
40 CFR 60, Subpart OOO

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
PM	B				

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested Department has on file
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested Department has on file
3. Process Flow Diagram(s): <input checked="" type="checkbox"/> Attached, Document ID: FAC1 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested Department has on file
5. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
6. Supplemental Requirements Comment: N/A

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Powerscreen Commander Portable Screening Unit - Subject to NSPS Subpart OOO</p>		
<p>3. Emissions Unit Identification Number: ID: 001</p>		<p><input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: N/A</p>	<p>6. Emissions Unit Major Group SIC Code: 14</p>
<p>6. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>A Powerscreen Commander Portable Screening Unit is operated by Florida Rock.</p>		

Emissions Unit Information Section 1 of 2

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): N/A
2. Control Device or Method Code(s):

Emissions Unit Details

1. Package Unit: N/A Manufacturer: Model Number:
2. Generator Nameplate Rating: N/A MW
3. Incinerator Information: N/A <div style="text-align: right; margin-right: 20px;"> Dwell Temperature: °F Dwell Time: seconds Incinerator Afterburner Temperature: °F </div>

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A	mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr tons/day
3. Maximum Process or Throughput Rate: 100 tons/hr	
4. Maximum Production Rate: N/A	
5. Requested Maximum Operating Schedule:	
hours/day	days/week
weeks/year	8760 hours/year
7. Operating Capacity/Schedule Comment (limit to 200 characters):	
The portable screening unit is subject to NSPS, and has a processing rate of 100 TPH.	
100 tons/hr x 8760 hr/yr = 876,000 TPY	

Emissions Unit Information Section 1 of 2

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? Powerscreen Commander Portable Screening Unit		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):			
Affected Facility	Description	Size	
Feeder	Screening	42 ft ²	
Powerscreen	Screening	50 ft ²	
Feed conveyor	Belt Conveyor	60"	
Main conveyor	Belt Conveyor	42"	
Radial Stacker	Belt Conveyor	30"	
Radial Stacker	Belt Conveyor	30"	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: F	6. Stack Height: N/A feet	7. Exit Diameter: N/A feet	
8. Exit Temperature: Ambient, 77°F	9. Actual Volumetric Flow Rate: N/A acfm	10. Water Vapor: N/A %	
11. Maximum Dry Standard Flow Rate: N/A dscfm		12. Nonstack Emission Point Height: 0 feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):			

Emissions Unit Information Section 1 of 2

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Stone Quarrying/Processing: General		
2. Source Classification Code (SCC): 3-05-020-99		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 100 Tons Processed	5. Maximum Annual Rate: 876,000 Tons Processed	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: N/A	8. Maximum % Ash: N/A	9. Million Btu per SCC Unit: N/A
10. Segment Comment (limit to 200 characters): The Powerscreen Commander Portable Screening Unit is subject to NSPS, and has a processing rate of 100 TPH. 100 TPH x 8760 hr/yr = 876,000 tons/year		

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code: 061	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 0.4 lb/hour 1.75 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.0039 lb/ton Reference: AP-42 Version 5 Table 11.19.2-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): Hourly: 100 ton/hr x 0.0039 lb/ton = 0.4 lb/hr Annual: 0.4 lb/ton x 8760 hr/yr x 1 ton/2000 lb = 1.75 tons/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Screening (controlled) = 2 x 2.1 x 0.00084 lb/ton = 0.00353 Conveyor transfer point (controlled) = 4 x 2.1 x 0.000048 lb/ton = 0.0004 lb/ton Emission Factor = 0.00353 lb/ton + 0.0004 lb/ton = 0.0039 lb/ton			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: <div style="display: flex; justify-content: space-around;"> lb/hour tons/year </div>
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

Emissions Unit Information Section 1 of 2

Pollutant Detail Information Page 2 of 2

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM10		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 0.19 lb/hour 0.83 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.0019 lb/ton Reference: AP-42 Version 5 Table 11.19.2-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): Hourly: 100 ton/hr x 0.0019 lb/ton = 0.19 lb/hr Annual: 0.19 lb/ton x 8760 hr/yr x 1 ton/2000 lb = 0.83 tons/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Screening (controlled) = 2 x 0.00084 lb/ton = 0.00168 Conveyor transfer point (controlled) = 4 x 0.000048 lb/ton = 0.000192 lb/ton Emission Factor = 0.00168 lb/ton + 0.000192 lb/ton = 0.0019 lb/ton			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: <div style="display: flex; justify-content: space-around;"> lb/hour tons/year </div>
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

Emissions Unit Information Section 1 of 2

**E. VISIBLE EMISSIONS INFORMATION
(Only Emissions Units Subject to a VE Limitation)**

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [] Other
3. Requested Allowable Opacity: Normal Conditions: 10% Exceptional Conditions: N/A % Maximum Period of Excess Opacity Allowed: N/A min/hour	
4. Method of Compliance: Method 9	
6. Visible Emissions Comment (limit to 200 characters): 40 CFR 60.672(b) Feeder Powerscreen Feed conveyor Main conveyor Radial Stacker Radial Stacker	

**F. CONTINUOUS MONITOR INFORMATION
(Only Emissions Units Subject to Continuous Monitoring)**

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: N/A	2. Pollutant(s):
3. CMS Requirement: Other	[] Rule []
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

Emissions Unit Information Section 1 of 2

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: FAC1 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously submitted, Date: September 29, 1998 <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Diesel Engine for Powerscreen Commander Portable Screening Unit</p>		
<p>3. Emissions Unit Identification Number: <input type="checkbox"/> No ID ID: 002 <input type="checkbox"/> ID Unknown</p>		
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: N/A</p>	<p>6. Emissions Unit Major Group SIC Code: 14</p>
<p>7. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>The Powerscreen Commander Portable Screening Unit has a diesel power unit (Deutz).</p>		

Emissions Unit Information Section 2 of 2

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): N/A
2. Control Device or Method Code(s):

Emissions Unit Details

1. Package Unit: N/A Manufacturer: Model Number:
2. Generator Nameplate Rating: N/A MW
3. Incinerator Information: N/A Dwell Temperature: °F Dwell Time: seconds Incinerator Afterburner Temperature: °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	0.98 mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr tons/day
3. Maximum Process or Throughput Rate: N/A	
4. Maximum Production Rate: N/A	
5. Requested Maximum Operating Schedule:	
	hours/day days/week
	weeks/year 8760 hours/year
2. Operating Capacity/Schedule Comment (limit to 200 characters):	
The diesel unit has a processing rate of 7 gal/hour.	
7 gal/hr x 140,000 Btu/gal = 0.98 mmBtu/hr	

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? Diesel Engine		2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Diesel Engine - Deutz			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: F	6. Stack Height: feet	7. Exit Diameter: feet	
8. Exit Temperature:	9. Actual Volumetric Flow Rate: N/A acfm	10. Water Vapor: N/A %	
11. Maximum Dry Standard Flow Rate: N/A dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):			

Emissions Unit Information Section 2 of 2

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Internal Combustion Engines: Industrial: Diesel: Reciprocating		
2. Source Classification Code (SCC): 2-02-001-02		3. SCC Units: Thousand Gallons Burned
4. Maximum Hourly Rate: 0.007 Thousand Gallons Burned	5. Maximum Annual Rate: 61 Thousand Gallons Burned	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: N/A	9. Million Btu per SCC Unit: 140
10. Segment Comment (limit to 200 characters): Hourly: 7 gal/hr x 0.001 Thousand Gallons/gal = 0.007 Thousand Gallons Burned/hr Annual: 0.007 Thousand Gallons/hr x 8760 hr/yr = 61 Thousand Gallons Burned		

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM/PM10		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 0.3 lb/hour 1.3 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.31 lb/mmBtu Reference: AP-42 Version 5 Table 3.3-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): Hourly: 0.31 lb/mmBtu x 0.98 mmBtu/hr = 0.3 lb/hr Annual: 0.3 lb/hr x 8760 hr/yr x 1 ton/2000 lb = 1.3 tons/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: <div style="display: flex; justify-content: space-around;"> lb/hour tons/year </div>
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: NOx		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 4.3 lb/hour 18.8 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 4.41 lb/mmBtu Reference: AP-42 Version 5 Table 3.3-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): Hourly: 4.41 lb/mmBtu x 0.98 mmBtu/hr = 4.3 lb/hr Annual: 4.3 lb/hr x 8760 hr/yr x 1 ton/2000 lb = 18.8 tons/yr			
3. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: CO		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 0.93 lb/hour 4.1 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.95 lb/mmBtu Reference: AP-42 Version 5 Table 3.3-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): Hourly: 0.95 lb/mmBtu x 0.98 mmBtu/hr = 0.93 lb/hr Annual: 0.93 lb/hr x 8760 hr/yr x 1 ton/2000 lb = 4.1 tons/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: <div style="display: flex; justify-content: space-around;"> lb/hour tons/year </div>
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: SOx		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 0.28 lb/hour 1.23 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.29 lb/mmBtu Reference: AP-42 Version 5 Table 3.3-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): Hourly: 0.29 lb/mmBtu x 0.98 mmBtu/hr = 0.28 lb/hr Annual: 0.28 lb/hr x 8760 hr/yr x 1 ton/2000 lb = 1.23 tons/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

Emissions Unit Information Section 2 of 2

**E. VISIBLE EMISSIONS INFORMATION
(Only Emissions Units Subject to a VE Limitation)**

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype: N/A	2. Basis for Allowable Opacity: [] Rule [] Other
3. Requested Allowable Opacity: Normal Conditions: _____ % Exceptional Conditions: _____ % Maximum Period of Excess Opacity Allowed: _____ min/hour	
4. Method of Compliance:	
4. Visible Emissions Comment (limit to 200 characters):	

**F. CONTINUOUS MONITOR INFORMATION
(Only Emissions Units Subject to Continuous Monitoring)**

Continuous Monitoring System: Continuous Monitor _____ of _____

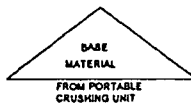
1. Parameter Code: N/A	2. Pollutant(s):
3. CMS Requirement: Other	[] Rule [] Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

Emissions Unit Information Section 2 of 2

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: FAC1 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:



8' X 12' GRIZZLY FEEDER

DEUTZ DIESEL POWER UNIT



30' FEEDER BELT

30' MAIN CONVEYOR

5' X 10' TRIPLE DECK SCREEN

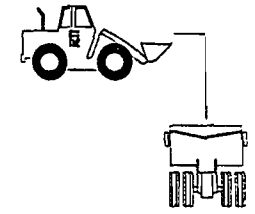
TO SETTLING POND

RIP RAP MATERIAL

30' RADIAL STACKER

30' RADIAL STACKER

BASE MATERIAL



POWERSCREEN COMMANDER
PORTABLE SCREENING
OPERATION

SCREENING

FLORIDA ROCK INDUSTRIES, INC.
FORT PIERCE MINE
DEP PERMIT NO. 1110072-003-AO

KOGLER & ASSOCIATES
DATE: MARCH 9, 1998
FILENAME: PIERCE2.TCW
DRAWN BY: SCC