

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

**RECEIVED**

**JAN 18 2000**

**BUREAU OF AIR REGULATION**

**KA187-99-05**  
**January 6, 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 Cedar Rapids Crushing 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.



**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: <b>Thompson S. Baker, II – President Aggregates Group</b>
2. Owner/Authorized Representative Mailing Address: Organization/Firm: <b>Florida Rock Industries, Inc.</b> Street Address: <b>P.O. Box 4667</b> City: <b>Jacksonville</b> State: <b>FL</b> Zip Code: <b>32201</b>
3. Owner/Authorized Representative Telephone Numbers: Telephone: <b>( 904 ) 355-1781</b> Fax: <b>( 904 ) 355-0469</b>
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

\* Attach letter of authorization if not currently on file.

**Professional Engineer Certification**

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

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.*



\_\_\_\_\_  
Date 1/6/2000

\* 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 crushing unit to be operated in all of the counties in the state of Florida.**

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

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

**Application Comment**





**Facility Regulatory Classifications**

**Check all that apply:**

1. <input type="checkbox"/> Small Business Stationary Source?	<input checked="" type="checkbox"/> Unknown
2. <input type="checkbox"/> Synthetic Non-Title V Source?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
5. <input type="checkbox"/> One or More Emissions Units Subject to NSPS?	
6. <input type="checkbox"/> 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**

## 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: [ ] Attached, Document ID: _____ [ ] Not Applicable [ X ] Waiver Requested <b>Department has on file</b>
2. Facility Plot Plan: [ ] Attached, Document ID: _____ [ ] Not Applicable [ X ] Waiver Requested <b>Department has on file</b>
3. Process Flow Diagram(s): [ X ] Attached, Document ID: <u>FAC1</u> [ ] Not Applicable [ ] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [ ] Attached, Document ID: _____ [ ] Not Applicable [ X ] Waiver Requested <b>Department has on file</b>
5. Supplemental Information for Construction Permit Application: [ ] Attached, Document ID: _____ [ X ] 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):  <b>Cedar Rapids Portable Crushing Unit - Not Subject to NSPS Subpart OOO</b></p>		
<p>3. Emissions Unit Identification Number:                  ID: <b>001</b></p>		<p><input type="checkbox"/> No ID  <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status                  Code: <b>A</b></p>	<p>5. Initial Startup Date:                  N/A</p>	<p>6. Emissions Unit Major Group SIC Code: <b>14</b></p>
<p>6. Emissions Unit Comment: (Limit to 500 Characters)</p> <p><b>A Cedar Rapids Portable Crushing Unit is operated by Florida Rock.</b></p>		



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? <b>Cedar Rapids Portable Crushing Unit</b>		2. Emission Point Type Code: <b>3</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):			
<b>Affected Facility</b>	<b>Description</b>	<b>Size</b>	
<b>Crusher 4340</b>	<b>Crusher</b>	<b>550 TPH</b>	
<b>Grizzly Feeder</b>	<b>Screening Operation</b>	<b>80 ft<sup>2</sup></b>	
<b>Single Deck Screen</b>	<b>Screening Operation</b>	<b>80 ft<sup>2</sup></b>	
<b>#1 Undercrusher Delivery</b>	<b>Belt Conveyor</b>	<b>36"</b>	
<b>Swivel Conveyor</b>	<b>Belt Conveyor</b>	<b>36"</b>	
<b>Rip Rap Belt</b>	<b>Belt Conveyor</b>	<b>24"</b>	
<b>Underscreen Conveyor</b>	<b>Belt Conveyor</b>	<b>36"</b>	
<b>Radial Stacker</b>	<b>Belt Conveyor</b>	<b>36"</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>N/A</b>			
5. Discharge Type Code: <b>F</b>	6. Stack Height: <b>N/A</b> feet	7. Exit Diameter: <b>N/A</b> feet	
8. Exit Temperature: <b>Ambient, 77°F</b>	9. Actual Volumetric Flow Rate: <b>N/A</b> acfm	10. Water Vapor: <b>N/A</b> %	
11. Maximum Dry Standard Flow Rate: <b>N/A</b> dscfm		12. Nonstack Emission Point Height: <b>0</b> 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): <b>Mineral Products: Stone Quarrying/Processing: General</b>		
2. Source Classification Code (SCC): <b>3-05-020-99</b>		3. SCC Units: <b>Tons Processed</b>
4. Maximum Hourly Rate: <b>550 Tons Processed</b>	5. Maximum Annual Rate: <b>1,650,000 Tons Processed</b>	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: <b>N/A</b>	8. Maximum % Ash: <b>N/A</b>	9. Million Btu per SCC Unit: <b>N/A</b>
10. Segment Comment (limit to 200 characters): <b>The Cedar Rapids Portable Crushing Unit is not subject to NSPS, and has a processing rate of 550 TPH.</b>  <b>550 TPH x 3000 hr/yr = 1,650,000 tons/year</b>		

**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: <b>PM</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code: <b>061</b>	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: <b>2.58 lb/hour      3.87 tons/year</b>		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>0.0047 lb/ton</b> Reference: <b>AP-42 Version 5 Table 11.19.2-2</b>		9. Emissions Method Code:	
10. Calculation of Emissions (limit to 600 characters):  <b>Hourly: 550 ton/hr x 0.0047 lb/ton = 2.58 lb/hr</b>  <b>Annual: 2.58 lb/ton x 3000 hr/yr x 1 ton/2000 lb = 3.87 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters): <b>Screening (controlled) = 2 x 2.1 x 0.00084 lb/ton = 0.00353 lb/ton</b> <b>Conveyor transfer point (controlled) = 5 x 2.1 x 0.000048 lb/ton = 0.0005 lb/ton</b> <b>Crusher = 0.0007 lb/ton</b> <b>Emission Factor = 0.00353 lb/ton + 0.0005 lb/ton + 0.0007 lb/ton = 0.004732 lb/ton</b>			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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;"> <span>lb/hour</span> <span>tons/year</span> </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: <b>PM10</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: <b>1.43 lb/hour                      2.14 tons/year</b>		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>0.0026 lb/ton</b> Reference: <b>AP-42 Version 5 Table 11.19.2-2</b>		9. Emissions Method Code:	
10. Calculation of Emissions (limit to 600 characters):  <b>Hourly: 550 ton/hr x 0.0026 lb/ton = 1.43 lb/hr</b>  <b>Annual: 1.43 lb/ton x 3000 hr/yr x 1 ton/2000 lb = 2.14 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters): <b>Screening (controlled) = 2 x 0.00084 lb/ton = 0.00168 lb/ton</b> <b>Conveyor transfer point (controlled) = 5 x 0.000048 lb/ton = 0.00024 lb/ton</b> <b>Crusher = 0.0007 lb/ton</b> <b>Emission Factor = 0.00168 lb/ton + 0.00024 lb/ton + 0.0007 lb/ton = 0.0026 lb/ton</b>			

Allowable Emissions Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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;"> <span>lb/hour</span> <span>tons/year</span> </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: <b>VE20</b>	2. Basis for Allowable Opacity: [ <input checked="" type="checkbox"/> ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>20%</b> Exceptional Conditions: <b>N/A</b> % Maximum Period of Excess Opacity Allowed: <b>N/A</b> min/hour	
4. Method of Compliance: <b>Method 9</b>	
6. Visible Emissions Comment (limit to 200 characters): <b>Crusher 4340 Grizzly Feeder Single Deck Screen #1 Undercrusher Delivery Swivel Conveyor Rip Rap Belt Underscreen Conveyor Radial Stacker</b>	

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

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code: <b>N/A</b>	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: <b>FAC1</b> <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 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:

**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>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):  <b>Diesel Engines for Cedar Rapids Portable Crushing Unit</b></p>		
<p>3. Emissions Unit Identification Number: <span style="float: right;"><input type="checkbox"/> No ID</span>                  ID: <b>002</b> <span style="float: right;"><input type="checkbox"/> ID Unknown</span></p>		
<p>4. Emissions Unit Status Code: <b>A</b></p>	<p>5. Initial Startup Date: <b>N/A</b></p>	<p>6. Emissions Unit Major Group SIC Code: <b>14</b></p>
<p>6. Emissions Unit Comment: (Limit to 500 Characters)</p> <p><b>The Cedar Rapids Portable Crushing Unit has a diesel power unit (Detroit 1271) and a diesel generator (CAT 3408).</b></p>		

**Emissions Unit Information Section 2 of 2**

**Emissions Unit Control Equipment**

3. 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:	3.64 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 3000 hours/year
7. Operating Capacity/Schedule Comment (limit to 200 characters):	
<b>The diesel unit has a processing rate of 26 gal/hour.</b>	
<b>26 gal/hr x 140,000 Btu/gal = 3.64 mmBtu/hr</b>	

**Emissions Unit Information Section 2 of 2**

**B. EMISSION POINT (STACK/VENT) INFORMATION**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram? <b>Diesel Engines</b>		2. Emission Point Type Code: <b>3</b>	
4. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>Diesel Engine (Detroit 1271)</b> <b>Diesel Generator (CAT 3408)</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>N/A</b>			
5. Discharge Type Code: <b>F</b>	6. Stack Height:  feet	7. Exit Diameter:  feet	
8. Exit Temperature:	9. Actual Volumetric Flow Rate: <b>N/A</b>  acfm	10. Water Vapor: <b>N/A</b>  %	
11. Maximum Dry Standard Flow Rate: <b>N/A</b> 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): <b>Internal Combustion Engines: Industrial: Diesel: Reciprocating</b>		
2. Source Classification Code (SCC): <b>2-02-001-02</b>		3. SCC Units: <b>Thousand Gallons Burned</b>
4. Maximum Hourly Rate: <b>0.026 Thousand Gallons Burned</b>	5. Maximum Annual Rate: <b>78 Thousand Gallons Burned</b>	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: <b>0.5</b>	8. Maximum % Ash: <b>N/A</b>	9. Million Btu per SCC Unit: <b>140</b>
10. Segment Comment (limit to 200 characters): <b>Hourly: 26 gal/hr x 0.001 Thousand Gallons/gal = 0.026 Thousand Gallons Burned/hr</b> <b>Annual: 0.026 Thousand Gallons/hr x 3000 hr/yr = 78 Thousand Gallons Burned</b>		

**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: <b>PM/PM10</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: <b>1.13 lb/hour      1.70 tons/year</b>		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>0.31 lb/mmBtu</b> Reference: <b>AP-42 Version 5 Table 3.3-2</b>		9. Emissions Method Code:	
10. Calculation of Emissions (limit to 600 characters):  <b>Hourly: 0.31 lb/mmBtu x 3.64 mmBtu/hr = 1.13 lb/hr</b>  <b>Annual: 1.13 lb/hr x 3000 hr/yr x 1 ton/2000 lb = 1.70 tons/yr.</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: <b>lb/hour                      tons/year</b>
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: <b>NOx</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: <b>16.0 lb/hour      24.1 tons/year</b>		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>4.41 lb/mmBtu</b> Reference: <b>AP-42 Version 5 Table 3.3-2</b>		9. Emissions Method Code:	
10. Calculation of Emissions (limit to 600 characters):  <b>Hourly: 4.41 lb/mmBtu x 3.64 mmBtu/hr = 16.0 lb/hr</b>  <b>Annual: 16.0 lb/hr x 3000 hr/yr x 1 ton/2000 lb = 24.1 tons/yr</b>			
8. Pollutant Potential Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:  <div style="text-align: right;">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: <b>CO</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: <b>3.5 lb/hour      5.2 tons/year</b>		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>0.95 lb/mmBtu</b> Reference: <b>AP-42 Version 5 Table 3.3-2</b>		9. Emissions Method Code:	
10. Calculation of Emissions (limit to 600 characters):  <b>Hourly: 0.95 lb/mmBtu x 3.64 mmBtu/hr = 3.5 lb/hr</b>  <b>Annual: 3.5 lb/hr x 3000 hr/yr x 1 ton/2000 lb = 5.2 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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;"> <span>lb/hour</span> <span>tons/year</span> </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: <b>SO<sub>x</sub></b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: <b>1.06 lb/hour      1.6 tons/year</b>		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>0.29 lb/mmBtu</b> Reference: <b>AP-42 Version 5 Table 3.3-2</b>		9. Emissions Method Code:	
10. Calculation of Emissions (limit to 600 characters):  <b>Hourly: 0.29 lb/mmBtu x 3.64 mmBtu/hr = 1.06 lb/hr</b>  <b>Annual: 1.06 lb/hr x 3000 hr/yr x 1 ton/2000 lb = 1.6 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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;"> <span>lb/hour</span> <span>tons/year</span> </div>
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

**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:	
5. 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):   	

**G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

**Supplemental Requirements**

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <b>FAC1</b> <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:

**—SSR—**  
SOUTHWEST SOIL  
REMEDICATION, INC.

CLAIR  
**RECEIVED**

**CERTIFIED MAIL**

**MAR 30 1999**  
DIVISION OF AIR  
RESOURCES MANAGEMENT

March 22, 1999

**RECEIVED**

Howard Rhodes  
Florida Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
Mail Station 5500  
(904) 488-1344  
(850) 922-6979 fax

**MAR 31 1999**  
BUREAU OF  
AIR REGULATION

Re: Air Permit #7770246-002-AO

Dear Mr. Rhodes:

Pursuant to the terms and conditions of the above referenced permit, Southwest Soil Remediation would like to notify your office of a change in management. Mr. Trevor Johansen, SSR's former President and responsible official, has resigned from the firm. Mr. Phil Martin has assumed Mr. Johansen's role of responsible official for the present time.

If you have any questions, please feel free to contact me at (520) 574-0123 or via email at [ssrsoil@aol.com](mailto:ssrsoil@aol.com). Thank you for your time and consideration in this matter.

Sincerely,



Michael Decoteau  
Environmental Engineer  
Southwest Soil Remediation

MD/cm

Bill



# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

February 9, 2000

Mr. Ken Conwell, Project Engineer  
Koogler and Associates Environmental Services  
4014 NW Thirteenth Street  
Gainesville, Florida 32609

Re: Request for Additional Information

Florida Rock Industries, Inc – Application for statewide permit for a relocatable crusher

Dear Mr. Conwell:

On January 18, 2000, the Department received your application and fee for an air construction permit for a relocatable concrete and asphalt crusher, owned by Florida Rock Industries, Inc. The application is incomplete. In order to continue processing your application, the Department will need the additional information requested below. Should your response to any of the below items require new calculations, please submit the new calculations, assumptions, reference material and appropriate revised pages of the application form.


1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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?
7. Please provide an estimate of the capital cost of a replacement transportable unit similar to that for which the permit application is directed.

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

*Printed on recycled paper.*

8. 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?
9. 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?
10. 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?
11. 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).
12. 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.
13. Please provide calculations indicating any VOC and Carbon Monoxide emissions from this facility, which would presumably be emitted by the internal combustion engines.
14. 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.
15. 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.

The Department will resume processing your application after receipt of the requested information. Rule 62-4.050(3), F.A.C., requires that all applications for a Department permit must be certified by a professional engineer registered in the State of Florida. This requirement also applies to responses to Department requests for additional information of an engineering nature. Material changes to the application should also be accompanied by a new certification statement by the authorized representative or responsible official. Permit applicants are advised that Rule 62-4.055(1), F.A.C., now requires applicants to respond to requests for information within 90 days. If there are any questions, please call me at 850/921-9522.

Sincerely,  
  
William Leffler, P.E.

WL

cc: J. Michael O'Berry, Authorized Representative, Florida Rock Industries, Inc.



Z 210 660 423

US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

**Mr. Ken Conwell**  
**Koogler & Associates**  
**Environmental Services**  
4014 NW 13 Street  
Gainesville, FL 32609

PS Form 3800, April 1995

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	02-09-00 <i>SKW</i>



# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

February 8, 2000

Mr. Ken Conwell, Project Engineer  
Koogler and Associates Environmental Services  
4014 NW Thirteenth Street  
Gainesville, Florida 32609

Re: Request for Additional Information

Florida Rock Industries, Inc – Applications for statewide permit for a relocatable crusher.

Dear Mr. Conwell:

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3. 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.
4. 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.
5. 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
6. 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?
7. Please provide an estimate of the capital cost of a replacement transportable unit similar to that for which the permit application is directed.

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

8. 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; (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?
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11. Please indicate dates and results of any written reports all performance tests conducted to demonstrate compliance with the standards set forth in Section 62-297.310 (7)(a)4.a. Florida Administrative Code (FAC) 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).
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13. Please provide calculations indicating any VOC and Carbon Monoxide emissions from this facility, which would presumably be emitted by the internal combustion engines.
14. 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, and haul road or yard areas.
15. 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.

The Department will resume processing your application after receipt of the requested information. Rule 62-4.050(3), F.A.C., requires that all applications for a Department permit must be certified by a professional engineer registered in the State of Florida. This requirement also applies to responses to Department requests for additional information of an engineering nature. Material changes to the application should also be accompanied by a new certification statement by the authorized representative or responsible official. Permit applicants are advised that Rule 62-4.055(1), F.A.C. now requires applicants to respond to requests for information within 90 days. If there are any questions, please call me at 850/921-9522.

Sincerely,

William Leffler, P.E.

WL

cc: Michael O'Berry, Authorized Representative, Florida Rock Industries, Inc.

*Working Paper*

TECHNICAL EVALUATION

AND

PRELIMINARY DETERMINATION

Florida Rock Industries, Inc

Relocatable Concrete and Asphalt Crushing Plant [Identifying Designation]  
State Wide Operation

Air Construction Permit No.: (to be resolved)xxxxxxxx-AC

Facility ID No.: xxxxxxxxx

Unit No. 01 (Crusher, Conveyors, Materials handling)

Unit No. 02 (Diesel Engine Powered Generator)

Relocatable Unit

Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation

February 8, 2000

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

---

## 1. APPLICATION INFORMATION

### 1.1 *Applicant's Name and Address*

Florida Rock Industries, Inc.  
155 East 21 st Street  
P.O.Box 4667  
Jacksonville Florida 32201  
(904) 365 1781

### 1.2 *Reviewing and Processing Schedule*

January 18, 2000      Date of Receipt of Complete Application

## 2. FACILITY INFORMATION

### 2.1 *Relocatable concrete and asphalt crushing unit operating throughout Florida.*

Florida Rock industries, Inc. plans to operate a 550 TPH Cedar Rapids mobile crusher at sites throughout the state of Florida. The Facility consists of a primary crusher (Cedar Rapids model 4340), which is followed by a grizzly feeder and an 80 square foot single deck screen. Which separates rip-rap from graded aggregate. A series of belt conveyors remove and stack the retainage and screenings. The crusher, grizzly and screen are mounted on a single transportable chassis Other components: feeders, conveyors are detachable and configured for each location. The crusher is [apparently] directly powered by a GMC Detroit 1271 diesel engine. The auxillary units, conveyors and feeders are powered by on site generated electric power from a Caterpillar Model 3408 diesel generator set. Water will be added as needed to control fugitive dust emissions.

### 2.2 *Standard Industrial Classification Code (SIC)*

Major Group No.	17	Construction – Special Trade Contractors
Group No.	1795	Wrecking and Demolition Work

### 2.3 *Facility Category*

The portable crusher emits particulate matter from the handling and crushing of the concrete and asphalt material and the normal products of combustion from the diesel fuel burned in the diesel engine used to drive the generator, which provides power to the crushing units.

The portable crusher operated by the applicant is classified as a minor air pollutant emitting facility. Air pollutant emissions are less than 100 TPY of any single criteria air pollutant.

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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This facility is not on the list of the 28 Major Facility Categories, Table 62-212.400-1. This facility is also classified as a natural non-Title V facility.

Based on the specific conditions in the [customary format of the ]draft permit and the physical restrictions of the equipment, this facility is classified as a *minor source* of air pollution.

### 3. PROJECT DESCRIPTION

3.1 *This permit addresses the following emissions units:*

EMISSION UNIT NO.	SYSTEM	EMISSION UNIT DESCRIPTION
001	Size Reduction classification & conveyors (relocatable unit)	550 TPH Cedar Rapids mobile crusher at sites throughout the state of Florida. The Facility consists of a primary crusher (Cedar Rapids model 4340), which is followed by a grizzly feeder and and 80 square foot single deck screen. Mounted on a single transportable chassis, together with associated conveyors.
002	Diesel Engine	Detroit 1271
003 *	Diesel Powered Generator Set	Caterpillar Model 3408 (Described on page 19 of application but not specified as an emission unit on page 5.

### 4. PROCESS DESCRIPTION

4.1 *General Information*

Raisa Neginsky of the Southeast District is familiar with the facility and she reports that it is a transportable unit, which was relocated from Ft Myers. While physically setup at Florida Rock Industries St Lucie Quarry it has not been used for some time. It is presently undergoing extensive refurbishing and possible repowering.

Concrete or asphalt material is fed to the crusher and reduced in size. The crushed material is screened and stored in an open area. It is loaded and unloaded from trucks. The machinery is also suitable for processing road-base lime-rock from the applicants several quarries about the state. **[The application fails to specify the nature or quantity of materials to be processes and while the application specifies that it is for a 550 TPH crusher, it is felt that the capacity is offered more of a nameplate description than a limit on production].** Dust from the crushing of the rocks will [presumably] be controlled by using water sprays when necessary. Power for the unit comes from three diesel engines, **[which burn a maximum of 22 gallons per hour of No. 2 virgin diesel fuel containing up to 0.5 percent sulfur content, by weight]**

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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## 5. RULE APPLICABILITY

The proposed project is subject to preconstruction review requirements under the provisions of Chapter 403, Florida Statutes, and Chapters 62-4, 62-204, 62-210, and 62-212, Florida Administrative Code (F.A.C.).

The proposed project is not subject to new source review under Rule 62-212.400 (5), F.A.C., Prevention of Significant Deterioration (PSD), because it is a minor unit. A determination of Best Available Control Technology (BACT) is not required for this minor facility. No analysis of the air quality impact of the proposed project's impacts on soils, vegetation and visibility along with air quality impacts resulting from associated commercial, residential and industrial growth, is required for a minor facility. Therefore, this facility may operate in any county in Florida without concern of ambient air quality violations.

The crusher and associated equipment are presumably subject to 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants. **Since the capacity of the portable unit exceeds 150 TPH. The applicant claims exemption as an old unit predating the adoption of Subpart OOO. There are many restrictive qualifying conditions which are not addressed in the application which may cause the crusher to again be subject to Subpart OOO requests for additional information directed at identifying substantial reconstruction or replacement of components that would be subject to 40 CFR 60 subpart OOO. Applicant bears the burden of demonstrating other facts supporting exemption from the federal NSPS standard**

The diesel engines are subject to Rule 62-210.300 F.A.C., Permits Required, since there are no unit specific regulatory requirements that apply. Its potential emissions are sufficiently limited by its physical capacity to merit classification as a minor source. Its potential emissions are further limited by a federally enforceable requested restriction on the allowable hours of operation. No regular testing of the diesel engine is required; however, if the Department has reason to believe that a violation of the facility wide visible emissions limit has occurred, a special compliance test can be ordered.

The emission units affected by this permit shall comply with all applicable provisions of the Florida Administrative Code and, specifically, the following Chapters and Rules of the Florida Administrative Code and the Code of Federal Regulations:

Chapter 62-4	Permits.
Rule 62-210.300	Permits Required
Rule 62-210.350	Public Notice and Comments
Rule 62-210.370	Reports
Rule 62-210.650	Circumvention
Rule 62-210.700	Excess Emissions
Rule 62-210.900	Forms and Instructions
Rule 62-212.300	General Preconstruction Review Requirements
Rule 62-296.320	General Pollutant Emission Limiting Standards

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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Rule 62-297.310	General Test Requirements
Rule 62-297.400	EPA Methods Adopted by Reference
Rule 62-297.401	EPA Test Procedures
40 CFR 60, Subpart A	Standards of Performance for new Stationary Sources (general)
40 CFR 60, Subpart OOO	Standards of Performance for Non Metallic Mineral Processing Plants
40 CFR 60 Subpart M	Asbestos NESHAP

***Prohibited material*** Concrete and building materials often contain embedded and attached asbestos products, including vermiculite aggregates, which contain asbestos, which becomes friable upon crushing. Old demolition rubble may contain other asbestos products (transite pipe and ductwork, transite formwork, insulation, fireproofing or stucco finishes) which were not subject to mandatory abatement prior to 1980. Since laboratory analysis of each piece of concrete is impractical, The facility should not process any material containing any adhered vinyl tile floor covering, asbestos containing bituminous or asphaltic roofing material, asbestos cement pipe ductwork or millboard. Recent events portrayed in national news concerning the asbestos content of vermiculite raises serious questions concerning the safety of crushing concrete made with light weight vermiculite aggregates.] A specific condition should be inserted in the permit prohibiting the crushing or grinding of any material containing one percent or more of asbestos and further citing the Asbestos NESHAP 40 CFR 60.145 and 40 CFR 60.150]

***Noise and Nuisance:*** There are often noise and nuisance issues associated with the ultimate location of rock crushing operations, particularly as such may affect homes and small businesses. While Chapter 403 Florida statutes authorizes the Department to consider noise as pollution, the only standards developed to implement that section relate to noise from highway based motor-vehicles rather than stationary industrial operations. It is presumed that adequate citizen protection exists in local zoning, building and environmental codes.



# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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## 6. SOURCE IMPACT ANALYSIS

### 6.1 *Potential and Emission Summary*

The proposed portable crusher will emit the following pollutants: particulate matter, sulfur dioxide, nitrogen oxides, volatile organic compounds, and carbon monoxide. The estimated potential pollutant emissions for these emission units are summarized in the following table, which are based on 2,000 hours per year of operation and appropriate AP-42 emission factors.

Pollutants	Estimated Hourly Emissions lb/hr	Estimated Annual Emissions TPY
PM/PM <sub>10</sub>	2.3 ***	2.3 ***
NO <sub>x</sub>	16.0	24.1
SO <sub>2</sub>	1.06 **	1.6
CO	{3.5}...*	[5.2] *
VOC	[1.9] *	[2.9] *

\* Based on FDEP Calculation from AP42b factors for internal combustion engines not provided by applicant

\*\* applicants' emission factors presume 0.5 % sulfur diesel fuel, but no limitation is specified in the application

\*\*\* Please note that the quantitative data upon which this evaluation is based is extracted from the current version of EPA's Manual AP-42: Compilation of Emission Factors Fifth Edition Section 11.19.1 through 11.20-9 and the emission factors therein contained are largely rated "C" "D" and "E" indicating that there is little reliable or consistent scientific data from which to form an opinion regarding emissions from the process, with any high degree of certainty. These factors have been used for all of the rock crusher and non-metallic mineral processing permits and represent the best available estimates of emissions from similar facilities operating within the general limitations on visual emissions under rule 62-297 F.A.C..

### 6.2 *Control Technology Review*

The crusher unit and associated conveyors are potential sources of fugitive particulate matter emissions. Emissions are **[customarily]** controlled by wetting the material being processed, as well as the storage piles and yard/roads, when needed.

The diesel engine powering the crusher will emit products of combustion. However, there are no unit specific regulatory requirements which apply to the diesel engine. Because of the small size of this diesel engine, even continuous operation would not cause this facility to be subject to the Title V regulations. Therefore, no operational restrictions for "reasonable assurance" are required. There are no suggested limitations on sulfur content of fuel in the application.

In addition to the physical design constraints, at the permittee's request, emissions from these units are further limited by production and by **[federally enforceable]** hours per year operation limits. **[which were suggested by the applicant]**

Rock and mineral crushing are inherently dusty activities. The nature and quantity of this dust depends upon many variables. In practice, control fugitive dust and local process emissions

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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remain well controlled at negligible levels by water misting, or by adding dust control agents which either increase the particle size by adding physical water mass or which create an apparent cohesion of granular material by the capillary action of surface moisture. **[The efficiency of misting for dust suppression is made nearly automatic by integrating water pumps with other process machinery.]**

### 6.3 *Air Quality Analysis*

An air quality analysis was not conducted for this project. The Department does not expect the low emissions from this operation to have a significant impact on the ambient air quality.

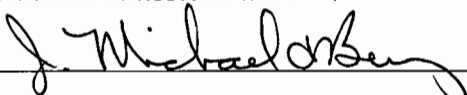
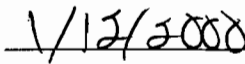
## 7. CONCLUSION

Based on the foregoing technical evaluation of the application, the Department has made a preliminary determination **[ the applicant will ultimately demonstrate ]** that the proposed project will comply with all applicable state and federal air pollution regulations provided the Department's restrictions described in the Specific Conditions of the proposed permit are met. The General and Specific Conditions are listed in the attached **[customarily formatted]** permit.

*Permit Engineer: William Leffler PE*

Working draft only subject to additional information requested from applicant 02/07/00

**Owner/Authorized Representative**

1. Name and Title of Owner/Authorized Representative: <b>J. Michael O'Berry – Manager, Environmental Permitting Services</b>
2. Owner/Authorized Representative Mailing Address: Organization/Firm: <b>Florida Rock Industries, Inc.</b> Street Address: <b>P.O. Box 4667</b> City: <b>Jacksonville</b> State: <b>FL</b> Zip Code: <b>32201</b>
3. Owner/Authorized Representative Telephone Numbers: Telephone: <b>( 904 ) 355-1781</b> Fax: <b>( 904 ) 355-0469</b>
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

\* Attach letter of authorization if not currently on file.

**Professional Engineer Certification**

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



Job Bush  
Governor

# Department of Environmental Protection

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

David B. Struhs  
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.

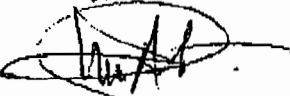
Note that all submittals must be signed and sealed by a professional engineer registered in the state of Florida.

*"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**

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

David B. Scruba  
Secretary

**FAX TRANSMITTAL**

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

FROM: Lennon Anderson

TO: Bill Leffer, P.E.

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) - 681-6600  
SIC 226-6600

COMMENTS: FYI

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Jeb Bush  
Governor

# Department of Environmental Protection

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

# FILE

David B. Struhs  
Secretary

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

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 response to the Department's October 22 Request for Additional Information received on November 18. 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 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.

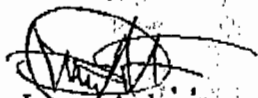
Note that all submittals must be signed and sealed by a professional engineer registered in the state of Florida.

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

Printed on recycled paper.

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





**KOOGLER & ASSOCIATES**

**ENVIRONMENTAL SERVICES**

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

**KA187-99-05**  
**November 15, 1999**

**RECEIVED**

**NOV 18 1999**

**DEPT OF ENV PROTECTION  
WEST PALM BEACH**

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

**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.

<b>Existing Units:</b>	<b><u>Diesel Equipment</u></b>	<b><u>Maximum Rates</u></b>
	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

<b>Proposed Unit:</b>	<b><u>Diesel Equipment</u></b>	<b><u>Maximum Rates</u></b>
	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/ 10<sup>6</sup> 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 <sub>x</sub>	4.41	38.90	91.01
CO	0.95	8.38	19.61
SO <sub>x</sub>	0.29	2.56	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



*Ken Conwell*

Steven C. Cullen, P.E.

Ken Conwell, Project Engineer

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



**FILE**



# Department of Environmental Protection

Jeb Bush  
Governor

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

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, 1999. 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. 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 26 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:	4.6 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.

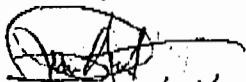
Note that all submittals must be signed and sealed by a professional engineer registered in the state of Florida.

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

Printed on recycled paper.

If you have any questions, please contact Lennon Anderson at 561-881-8632. 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

11/14/07  
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**KOUGLER & ASSOCIATES**  
**ENVIRONMENTAL SERVICES**

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

**KA187-99-05**  
**January 5, 2000**

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

**RECEIVED**  
**JAN 10 2000**  
 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:

This letter is a response to your letter requesting additional information dated December 15, 1999 for the above referenced permit.

The Cedar Rapids Crusher/4340 and associated diesel engines (Detroit/1271 and CAT/3408) were not in service at this facility on November 24, 1998 as stated in the permit. The Cedar Rapids Portable Crushing Unit has been returned to this facility.

Permitting for this unit will be handled separately from this current permit request. A separate application for the Cedar Rapids Portable Crushing Unit will go to Bill Leffler in Tallahassee. A draft of this application is attached for your file.

Please note that the Cedar Rapids Crusher has the diesel engine Detroit/1271 and generator CAT/3408. The Hewitt Robbins Crusher has the Deutz power unit and a CAT/3408 power unit.

The annual hours of operation was limited to 4,680 hours per year for the diesel equipment as shown below:

Diesel Equipment:	15.5 gal/hr x 4680	= 72,540
Pumps:	4.8 gal/hr x 8760	= 42,050
	<u>Total</u>	<u>114,590</u>

Listed below is an updated list of all existing diesel powered units with the maximum consumption rates, annual average rates, and category.

<u>Diesel Equipment</u>	<u>Maximum Rates</u>	<u>Category</u>	<u>Annual Average Rates</u>
Hewitt Robbins Deutz Power Unit	3 gph	Crusher	1.2 gph
CAT 3408 Diesel Power Unit	8 gph	Power Unit	3.3 gph
Powerscreen Commander	7 gph	Screening	2.9 gph
Powerscreen Pump	5 gph	Screening	2.0 gph
Rip Rap Pump	4 gph	Conveying	1.6 gph
Holland 10"x12" Hydraulic Lift Pump	6 gph	Water Pump	2.4 gph
Holland 10"x12" Hydraulic Lift Pump	6 gph	Water Pump	2.4 gph
MGL Screen Machine	11 gph	Screening	4.5 gph

This letter demonstrates that the existing permit limitations will be complied with. The 114,590 gallon limitation was maintained by restricting the annual average fuel consumption rates and the annual hours of operation for the diesel engines.

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

Sincerely,

Koogler & Associates



Steven C. Cullen, P.E.

SCC:kfc

Encl.

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



MIAMI-DADE COUNTY, FLORIDA



RECEIVED



OCT 02 2000

ENVIRONMENTAL RESOURCES MANAGEMENT  
AIR QUALITY MANAGEMENT DIVISION  
33 S.W. 2nd AVENUE  
SUITE 900  
MIAMI, FLORIDA 33130-1540  
(305) 372-6925

BUREAU OF AIR REGULATION

September 25, 2000

In the Matter of an Application for Permit by:

Mr. J. Michael O'Berry  
Manager, Environmental Permitting Services  
Florida Rock Industries, Inc.  
P.O. Box 4667  
Jacksonville, Florida 32201

File No. 0250006-005-AC & 006-AC  
Miami-Dade County  
Project: Florida Rock Industries, Inc.  
Installation of a Powerscreen portable  
screening unit and two (2) new  
conveyors at the existing # 5 screen.

INTENT TO ISSUE

Dear Mr. O'Berry:

The Miami-Dade County Department of Environmental Resources Management (DERM) gives notice of its intent to issue an air pollution construction permit for the proposed project as detailed in the application specified above, for the reasons stated below. A copy of the draft permit is attached.

*The Florida Department of Environmental Protection (FDEP) has permitting jurisdiction under Section 403.087, Florida Statutes (F.S.). However, in accordance with Section 403.182, F.S., the FDEP recognizes the DERM as the approved local air pollution control program of Miami-Dade County. Through a Specific Operating Agreement, the FDEP delegated to the DERM the authority to issue or deny permits for this type of air pollution source located in Miami-Dade County.*

The applicant, J. Michael O'Berry, applied on April 27, 2000, to the DERM for an air pollution construction permit, consisting of the following:

- A) Installation of a Powerscreen portable screening unit associated conveyors and diesel engines.
- B) The construction of two new conveyors at the existing # 5 screen.
- C) Inclusion of Federally Enforceable conditions by restricting fuel use and annual throughput.
- D) Authorization for the operation of any combination of portable material handling equipment, not to exceed operational limitations.
- E) Extension and replacement of Permit Number 0250006-004-AC.

This facility is located at 12201 NW 25th Street, Miami, Florida 33152.

Specifically, the applicant requested that emissions of air pollutants from this project be limited to less than the Title V applicability thresholds through enforceable permit limitations. The facility shall not exceed a raw material throughput limitation of 10,000,000 tons, and a fuel usage limitation of 250,000 gallons of new number 2 fuel oil in any consecutive 12-month period. The requested emissions limits are below Title V applicability thresholds. These limitations, which address emissions of air pollution on a facility-wide basis, will become federally enforceable in accordance with **F.A.C. Rule 62-210.300(2)(b)** upon issuance of the final permit. The draft permit contains specific conditions which will limit air pollution emissions below Title V applicability thresholds and meet the requirements of federal enforceability.

The DERM has permitting jurisdiction under **Section 403.087, Florida Statutes (F.S.)**, to issue or deny permits for air pollution sources. The project is not exempt from permitting procedures. The DERM has determined that an air pollution construction permit is required for the proposed work, and that the applicant's request for such a permit is accepted.

The DERM intends to issue this permit based on **Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297**, and the belief reasonable assurances have been provided to indicate the proposed project will not adversely impact air quality, and that the specific conditions in the draft permit limit the potential emissions of air pollutants to the amounts described above.

**Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1., F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Construction Permit. The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action.** For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Air Facilities Section of the DERM, in person at 33 SW 2nd Avenue, Suite 900, Miami, Florida 33130-1540, or by mail to the DERM, 33 SW 2nd Avenue, Suite 900, Miami, Florida 33130-1540. You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. The DERM will accept as proof of publication only the original notarized affidavit provided to the applicant by the newspaper. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C.

The complete project file, including the application, all supporting information, and draft permit (exclusive of confidential records under **Section 403.111, F.S.**) is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Air Facilities Section of the DERM, 33 SW 2nd Avenue, Suite 900, Miami, Florida 33130-1540.

The DERM will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to **sections 120.569 and 120.57 F.S.**, before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under **sections 120.569 and 120.57** of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Code Enforcement Section of the DERM, 33 SW 2nd Avenue, Miami, Florida 33130-1540. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under **section 120.60(3)** of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the DERM for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under **sections 120.569 and 120.57 F.S.**, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with **rule 28-106.205 of the Florida Administrative Code**.

A petition that disputes the material facts on which the DERM's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;



- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the DERM's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the DERM's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the DERM on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the FDEP for a variance from or waiver of the requirements of particular rules, on certain conditions, under **section 120.542, F.S.** The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The FDEP will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in **section 120.542(2), F.S.**, and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in Miami-Dade County, Florida.

DEPARTMENT OF ENVIRONMENTAL  
RESOURCES MANAGEMENT

Mallika Muthiah September 25, 2000

Mallika Muthiah, Chief                      Date  
Air Facilities Section  
Air Quality Management Division

MM/ek

attachment

cc: Clair Fancy, P.E., Chief, Bureau of Air Regulation, DEP  
Gracy Danois, Operating Source Section, U.S. EPA, Region IV  
Isadore Goldman, P.E., Florida Department of Environment, West Palm Beach  
Steve C. Cullen, P.E., Koogler & Associates

**FILING AND ACKNOWLEDGMENT:** FILED, on this date, pursuant to § 120.52(7), F.S., with the designated DERM Clerk, receipt of which is hereby acknowledged.

S. Harris  
Clerk

9/25/00  
Date

MIAMI-DADE COUNTY  
DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT  
REVISED NOTICE OF INTENT TO ISSUE PERMIT

The Miami-Dade County Department of Environmental Resources Management gives notice of its intent to issue an air construction permit which is federally enforceable to J. Michael O'Berry of Florida Rock Industries, Inc., to construct an air pollution source consisting of a power screen portable screening unit, associated conveyors, diesel engines, and two new conveyors located at the existing # 5 screen. This facility is located at 12201 NW 25th Street, Miami, Florida 33152. The DERM's file number in this matter is 0250006-005-AC and 006-AC. The DERM intends to issue this permit based on Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and the belief that reasonable assurances have been provided to indicate the proposed project will not adversely impact air quality.

Specifically, the applicant requested that emissions of air pollutants from this project be limited to less than that in the Title V applicability thresholds through enforceable permit limitations. The facility shall not exceed a raw material throughput limitation of 10,000,000 tons, and a fuel usage limitation of 250,000 gallons of new number 2 fuel oil in any consecutive 12-month period. The requested emissions limits are below Title V applicability threshold. These limitations, which address emissions of air pollution on a facility-wide basis will become federally enforceable in accordance with **F.A.C. Rule 62-210.300(2)(b)** upon issuance of the final permit. The draft permit contains specific conditions which will limit air pollution emissions below Title V applicability thresholds and meet the requirements of federal enforceability.

The DERM will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to **sections 120.569 and 120.57 F.S.**, before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under **sections 120.569 and 120.57** of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Code Enforcement Section of the DERM, 33 SW 2nd Avenue, Miami, Florida 33130-1540. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under **section 120.60(3)** of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the DERM for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under **sections 120.569 and 120.57 F.S.**, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with **rule 28-106.205 of the Florida Administrative Code**.

A petition that disputes the material facts on which the DERM's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and
- (h) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the DERM's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the DERM's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the DERM on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the FDEP for a variance from or waiver of the requirements of particular rules, on certain conditions, under **section 120.542, F.S.** The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The FDEP will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in **section 120.542(2), F.S.**, and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

The complete project file, including the application, all supporting information, and draft permit (exclusive of confidential records under **Section 403.111, F.S.**) is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Air Facilities Section of the DERM's, 33 SW 2nd Avenue, Suite 900, Miami, Florida 33130-1540.

MIAMI-DADE COUNTY, FLORIDA



ENVIRONMENTAL RESOURCES MANAGEMENT  
AIR QUALITY MANAGEMENT DIVISION  
33 S.W. 2nd AVENUE  
SUITE 900  
MIAMI, FLORIDA 33130-1540  
(305) 372-6925

NOTICE OF AIR POLLUTION PERMIT

CERTIFIED MAIL P 343 639 736  
RETURN RECEIPT REQUESTED

ISSUED TO:

Florida Rock Industries (FRI), Inc.  
P.O. Box 4667  
Jacksonville, FL 32201.

Permit Number: 0250006-005-AC & 006-AC  
Issue Date:  
Expiration Date:

Authorized Representative:

Mr. J. Michael O' Berry, Manager  
Environmental Permitting Services

PROJECT:

- A) Installation of a Powerscreen portable screening unit associated conveyors and diesel engines.
- B) Construction of two new conveyors at the existing # 5 screen.
- C) Inclusion of Federally Enforceable conditions by restricting fuel use and annual throughput.
- D) Authorization for the operation of any combination of portable material-handling equipment, not to exceed operational limitations.
- E) Extension and replacement of Permit Number 0250006-004-AC.

Facility Description: Crushed and Broken Limestone (SIC # 1422)  
Location: 12201 NW 25<sup>th</sup> Street, Miami, Florida 33152  
Lat./Long.: 25°48' 16" N / 80° 24' 05" W  
UTM: Zone 17; 560 Km. E; 2864.0 Km. N

Dear Mr. O' Berry:

This is Permit Number 0250006-005-AC and 006-AC to construct an air pollution source issued by the **Miami-Dade County, Department of Environmental Resources Management (DERM) pursuant to Chapter 24, Code of Miami-Dade County and Chapter 403.087, Florida Statutes (F.S.)**. This is a construction permit to authorize construction of the emissions units described in this permit.

NOTICE OF RIGHTS:

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to **Section 120.68, F.S.**, by the filing of a Notice of Appeal pursuant to **Rule 9.110, Florida Rules of Appellate Procedure**, with the Clerk of the Metropolitan Dade County Department of Environmental Resources Management, Air Facilities Section, at 33 SW 2nd Avenue, Suite 900, Miami, Florida 33130-1540 and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Order is filed with the Clerk of the DERM.

**STATEMENT OF BASIS:**

This permit is issued under the provisions of **Chapter 24, Code of Miami-Dade County, Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297**, and in conformance with all existing regulations of the FDEP and the DERM rules. The above named owner or operator is hereby authorized to perform the work or construct the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the DERM and made a part hereof and specifically described in this permit.

**PERMIT CONTENTS:**

- Part I -- Summary Information
- Part II -- Facility-Wide Specific Conditions
- Part III -- Emission Units Specific Conditions

The documents listed below *are* a part of this permit and provide necessary supplementary information applicable to this permitting action.

Appendix A -- General Conditions

**PART I -- SUMMARY INFORMATION**

**CONSTRUCT:** This permit addresses the following air pollution emission units:

Emission Unit Number	Emission Unit Description
003	Crusher subject to NSPS Subpart OOO
004	Crusher not subject to NSPS Subpart OOO
005	Affected facilities except crushers subject to NSPS Subpart OOO
006	Processing equipment except crusher not subject to NSPS Subpart OOO
007	Diesel powered units

**SIGNIFICANT DATES:**

Public Notice of Intent Published: May 1, 2000  
Application Received: March 21, 2000

**PERMIT HISTORY:**

- Permit No. 0250006-004-AC issued July 8, 1999
- Permit No. 0250006-003-AO issued January 22, 1996
- Permit No. 0250006-002-AC issued January 22, 1996
- Permit No. AO 13246053 issued May 26, 1994
- Permit No. AC 13223473 issued April 6, 1993
- Permit No. AO 133200979 issued October 3, 1991
- Permit No. AO 13117239 issued August 4, 1986

This permit supersedes the previously issued permit No.0250006-004-AC

## PART II -- FACILITY-WIDE SPECIFIC CONDITIONS

### 1.0 Administrative Requirements

- 1.1 Regulating Agencies: All applications, tests, reports, notifications, or other submittals required by this permit shall be submitted to the Miami-Dade County Department of Environmental Resources Management, Air Facilities Section located at 33 SW 2nd Avenue, Suite 900, Miami, Florida 33130-1540.
- 1.2 Citation Format: In this permit, references to **F.A.C. Rule 62-xxx** refer to rules promulgated under Title 62 of the Florida Administrative Code; references (if any) to **40 CFR 60.xx** (or **61.xx** or **63.xx**) refer to regulations codified under Part 60 (or 61 or 63) of Title 40 of the Code of Federal Regulations.
- 1.3 Specific and General Conditions: The owner or operator shall be subject to the specific conditions of this permit and the owner or operator shall be aware of, and operate under, the attached General Conditions, attached as Appendix A of this permit. General Conditions are binding and enforceable pursuant to **Chapter 403, F.S. [F.A.C. Rule 62-4.160]**
- 1.4 Applicable Regulations: This facility is subject to regulation of **Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and 40 CFR 60, Subpart OOO**. Issuance of this permit does not relieve the facility owner or operator from compliance with any other applicable federal, state or local permitting requirements or other regulations.
- 1.5 Waste Disposal: The owner or operator shall treat, store, and dispose of all liquid, solid and hazardous wastes in accordance with all applicable Federal, State and Local regulations.
- 1.6 Other Permits: This air pollution permit does not preclude the owner or operator from obtaining any other types of required permits, licenses or certifications from the DERM or other departments or agencies.
- 1.7 Operation Permit Required: This permit authorizes construction and/or installation of the permitted emission units and initial operation to determine compliance with Department rules. **An operation permit is required for regular operation of the permitted emission units.** The owner or operator shall apply for and receive an operation permit prior to expiration of this permit. An application for an operation permit shall be submitted to the DERM, Air Facilities Section. To apply for an operation permit, the applicant shall submit the appropriate application fee and, in triplicate, the appropriate application form, a certification that construction was completed with a notation of any deviations from the conditions in the construction permit, compliance test results, and such additional information as the Department may by law require.  
[Rules 62-4.030, 62-4.050, 62-4.220, and 62-210.300, F.A.C.]
- 1.8 Extension of this Permit: The expiration date of this construction permit may be extended upon request of the owner or operator and submission of the appropriate fee to the DERM, Air Facilities **at least 60 days prior** to the expiration date of this permit.  
[Rules 62-4.030, 62-4.050, and 62-4.220 F.A.C., F.A.C.]

### 2.0 General Pollutant Emission Limiting Standards

- 2.1 Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants that cause or contribute to an objectionable odor.  
[Rule 62-296.320(2) F.A.C.]

2.2 General Visible Emission Standard: Unless otherwise specified by permit or rule, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emission of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity.  
[Rule 62-296.320(4)(b) F.A.C.]

2.3 Unconfined Emission of Particulate Matter:  
No person shall cause, let, permit, suffer or allow the emission of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emission.

Reasonable precautions include the following:

- Paving and maintenance of roads, parking areas and yards.
- Application of water or chemicals to control emission from such activities as demolition of buildings, grading roads, construction, and land clearing.
- Application of asphalt, water, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
- Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- Landscaping or planting of vegetation.
- Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- Confining abrasive blasting where possible.
- Enclosure or covering of conveyor systems.
- Substitution of powdery materials with granular or pelletized materials, where possible.

[Rule 62-296.320(4)(c) F.A.C.]

### 3.0 **Operation Requirements**

3.1 Permitted Capacity: The processed raw material throughput is limited to 10,000,000 tons in any 12-month period.  
[Rule 62-210.200, F.A.C., Definitions-PTE; requested by applicant]

3.2 Circumvention: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.  
[Rule 62-210.650 F.A.C.]

3.3 Excess Emissions:  
Excess emissions resulting from startup, shutdown or malfunction of any emission unit shall be permitted providing best operational practices to minimize emissions are adhered to, and the duration of excess emissions shall be minimized but in no case exceeds two hours in any 24 hour period unless specifically authorized by the Department for longer duration.

Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.  
[Rule 62-210.700, F.A.C.]



#### 4.0 Compliance Testing Requirements

4.1 Test Notification: Unless otherwise specified in this permit, the DERM, Air Facilities Section shall be notified in writing of expected compliance test dates at least fifteen (15) days prior to compliance testing. The notification shall include the following information: the date, time, and location of each test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner.  
[Rule 62-297.310(7)(a)9.]

4.2 Testing at Capacity: Compliance testing shall be conducted with the emission units operating at the permitted capacity (90 to 100% of the maximum permitted operation rate of the emission units). If an emission unit is not tested at permitted capacity, the emission unit shall not be operated above 110% of the test load until a new test showing compliance is conducted. Operation of the emission unit above 110% of the test load is allowed for no more than 15 days for the purpose of conducting additional compliance testing to regain the authority to operate at the permitted capacity.  
[Rule 62-297.310(2), F.A.C.]

4.3 Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emission or questionable maintenance of control equipment) to believe that any applicable emission standard in Rules 62-204 through 62-297 or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emission unit to conduct compliance tests which identify the nature and quantity of pollutant emission from the emission unit and to provide a report on the results of said tests to the Department.  
[Rule 62-297.310(7)(b), F.A.C.]

#### 4.4 Determination of Process Variables.

(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.  
[Rule 62-297.310(5), F.A.C.]

#### 5.0 Reporting and Record Keeping Requirements

5.1 Report Excess Emission: In case of excess emission resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. (condition 5.2 below). A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.  
[Rule 62-210.700(6), F.A.C.]

5.2 Report Plant Operation Problems: If the owner or operator is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the owner or operator shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the owner or operator from any liability for failure to comply with Department rules.  
[Rule 62-4.130, F.A.C.]

5.3 Retain Records: All records required by this permit shall be kept by the owner or operator and made available for Department inspection for a minimum of two (2) years from the date of such records.  
[Rule 62-4.070(3), F.A.C.]

5.4 Compliance Test Reports: Compliance test reports shall be submitted to the DERM, Air Facilities Section, as soon as practical, but no later than 45 days after the last sampling run of each test is completed.

Test reports shall provide sufficient detail on the emission unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. Test reports, other than for an EPA or DEP Method 9 test, shall include the following information and other information as necessary to make a complete report required pursuant to Rule 297.310(8)(c), F.A.C.:

- The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
- The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
- The type of air pollution control devices installed on the emission unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
- All measured and calculated data required to be determined by each applicable test procedure for each run.
- The detailed calculations for one run that relate the collected data to the calculated emission rate.
- The applicable emission standard, and the resulting maximum allowable emission rate for the emission unit, plus the test result in the same form and unit of measure.

[Rules 62-297.310(8)(a),(b) & (c), F.A.C.]

5.5 Annual Report Required: On or before March 1 of each calendar year, a completed DEP Form 62-210.900(5), Annual Operating Report (AOR) Form for Air Pollutant Emitting Facility, shall be submitted to DERM, Air Facilities Section.  
[Rule 62-4.070(3), F.A.C.]

**PART III A  
 EMISSION UNIT SPECIFIC CONDITIONS**

This part of this permit addresses the following emission units:

These Units are subject to 40 CFR Part 60, NSPS Subpart OOO; Standards of Performance for Non-Metallic Mineral Processing Plants.

Emission Unit Number	Emission Unit Description		
<b>003</b>	<b>CRUSHERS SUBJECT TO NSPS SUBPART OOO</b>		
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	North Primary: #4555 Impactor	Universal	425 tons per hour
	North Secondary: Impactor	Hazemag	300 tons per hour
	South Secondary: Impactor	Hazemag	300 tons per hour
	Portable (Ft. Pierce)	Hewitt Robbins	200 tons per hour
	Portable (Fort Myers)	Cedarapids	400 tons per hour
	Portable (Fort Myers)	Boehringer	600 tons per hour
	Portable (Miami)	Hazemag	800 tons per hour
<b>005</b>	<b>AFFECTED FACILITIES EXCEPT CRUSHERS SUBJECT TO NSPS SUBPART OOO</b>		
	<b><u>SCREENING OPERATIONS</u></b>		
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	North Scalper Screen: 4' x 16'	Hewitt Robins	64 square feet
	Screen #3: 8' x 16' Triple-Deck	Simplicity	128 square feet
	Screen #5: 8' x 20' Triple-Deck	Deister	160 square feet
	North Rail Shaker 8' x 20' Triple-Deck	SECO	160 square feet
	South Rail Shaker 8' x 20' Triple-Deck	Nordberg	160 square feet
	Portable Screen and Conveyors (Fort Myers)	Deister/Boehringer	800 tons per hour

<b><u>SCREENING OPERATIONS contd.</u></b>		
<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
Portable Screen and Conveyors (Ft. Pierce)	MGL	96 square feet
Portable Screen and Conveyors (Ft. Pierce)	Powerscreen	50 square feet
Portable Screen (Ft. Pierce)	Read	65 square feet
Portable Screen and Conveyors (Miami)	Powerscreen	50 square feet
Portable Screen and Conveyors (Interlachen/Umatilla)	Screen Machine	100 tons per hour
<b><u>STORAGE BINS</u></b>		
<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
North Dump Hopper	In-House	80 Tons
North Rail Dump Hopper	In-House	35 Tons
South Rail Dump Hopper	In-House	35 Tons
<b><u>BELT CONVEYORS</u></b>		
<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
Conveyor #5	In-House	36 inches
Conveyor #6	In-House	36 inches
Conveyor #7	In-House	24 inches
Conveyor #8	In-House	24 inches
Conveyor #9	In-House	30 inches
Conveyor #10	In-House	24 inches
Conveyor #11	In-House	24 inches
Transfer Conveyor #13	In-House	30 inches
North #89 Stacker	In-House	24 inches
North #57 Stacker	In-House	24 inches

<b><u>BELT CONVEYORS contd.</u></b>			
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	North Concrete Sand Stacker	In-House	24 inches
	North Asphalt Sand Stacker	In-House	24 inches
	South Asphalt Sand Stacker	In-House	24 inches
	Base Rock Stacker #14	In-House	24 inches
	North Rail Feed Conveyor	In-House	42 inches
	North Rail Stacker	In-House	42 inches
	South Rail Feed Conveyor	In-House	42 inches
	South Rail Transfer Conveyor	In-House	42 inches
	South Rail Stacker	In-House	42 inches
	(NEW) Horizontal Transfer Conveyor	In-House	30 inches
	(NEW) Radial Stacker	In-House	30 inches
	Conveyors for Portable Crusher (Ft. Pierce)	Hewitt Robbins	200 tons per hour
	Conveyors for Portable Crusher (Fort Myers)	Cedarapids	400 tons per hour
	Conveyors for Portable Crusher (Fort Myers)	Boehringer	600 tons per hour
	Conveyors for Portable Crusher (Miami)	In-House	800 tons per hour

**A.1 Emission Limiting Standards and Operation Restrictions**

**A.1.1 Permitted Capacity:** See Facility-Wide Specific Condition 3.1 in Part II

A.1.2 Visible Emission Standards:

EMISSION UNIT	UNIT DESCRIPTION	OPACITY STANDARD	RULE REFERENCE
003	Crusher	Not greater than 15%	40 CFR 60.672 (c)
005	Belt Conveyor	Not greater than 10%	40 CFR 60.672(b)
	Truck Dumping	Exempt	40 CFR 60.672(d)
	Wet screening operations, subsequent screening operations, bucket elevators, and belt conveyors that process saturated material <sup>1&amp;2</sup>	No visible emission (zero percent)	40 CFR 60.672(h)

**Note** (1) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.

(2) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

[40 CFR 60.672(h)(1) &(2)]

A.1.3 The opacity standards specified in A.1.2 shall apply at all times except during periods of startup, shutdown and malfunction. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emission. The duration of excess emission shall be minimized and shall not exceed two hours in any 24-hour period. Excess emission which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.

[Rules 62-210.700 and 40 CFR 60.11(c) & (d), F.A.C.]

A.1.4 Unrestricted Hours of Operation: The referenced emission unit(s) may operate continuously (8760 hours per year).

[Rule 62-210.200 (PTE), F.A.C.]

**A.2 Compliance Monitoring and Testing Requirements**

A.2.1 Visible Emission Test Required:

In determining compliance with the fugitive particulate matter emission limiting standards above, the owner or operator shall use EPA Method 9 and the procedures in 40 CFR 60.11, with the following additions:

- a. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
- b. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (EPA Method 9, Section 2.1) must be followed.
- c. For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emission and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emission is to be made at a point in the plume where the mist is no longer visible.

[40 CFR 60.675(c)(1)]

A.2.2 Performance Test:

The initial visible emission compliance test shall be completed within 180 days of the issuance date of this permit for those affected facilities not tested in 1996. For affected facilities that have previously demonstrated initial compliance, testing for the purposes of obtaining an operation permit shall be conducted prior to the expiration of this permit. Only that portable equipment that is onsite during scheduled compliance testing will be tested.

[40 CFR 60.8(a), Permit No. 0250006-002-AC, SC 8.]

A.2.3 The permittee shall use as reference methods and procedures the EPA test methods in 40 CFR 60 Appendix A, unless the Department

- (1) Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology
- (2) Approves the use of an equivalent method,
- (3) Approves the use of an alternative method the results of which the Department has determined to be adequate for indicating whether a specific source is in compliance,
- (4) Waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Department's satisfaction that the affected facility is in compliance with the standard, or
- (5) Approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

[40 CFR 60.8(b)]

A.2.4 Opacity Test Requirements:

A) For the purpose of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test, except as noted in B) and C) below. Subsequent compliance tests shall be thirty minutes in duration.

[40 CFR 60.675(c)(2), and 40 CFR 60.11(b), Permit No. 0250006-002-AC, SC 6.c.]

B) When determining compliance for affected facilities under 60.672(b) [Belt Conveyers] the duration of EPA Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- i) There are no individual readings greater than 10 percent opacity; and
- ii) There are no more than 3 readings of 10 percent for the 1-hour period.

[40 CFR 60.675(c)(3)]

C) When determining compliance for affected facilities under 60.672(c) [Crusher] the duration of Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- i) There are no individual readings greater than 15 percent opacity; and
- ii) There are no more than 3 readings of 15 percent for the 1-hour period.

[40 CFR 60.675(c)(4)]

D) For the method and procedure above, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

- i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.
- ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

[40 CFR 60.675(e)]

E) EPA Method 9 performance tests are not required for:

i) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.

ii) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, that process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

**A.2.5 Test Notification:**

The permittee shall provide the DERM Air Facilities Section at least 15 days prior notice of any performance test.

[40 CFR 60.675, and 40 CFR 60.8(d)]

If, after 15 days notice for an initially scheduled performance test, there is a delay in conducting any scheduled performance test, the permittee shall submit a notice to the DERM at least 7 days prior to any scheduled performance test.

[40 CFR 60.675(g)]

A.2.6 For transfer points on conveyor belts enclosed by tunnels, emission from these transfer points shall be evaluated by performing opacity determinations using EPA Method 9 at each end of such tunnel. Compliance with the opacity limitation at each end of such tunnel shall indicate the transfer points within each tunnel comply with the opacity limitation. Such opacity observations shall be conducted while the facility is running with the most drop points simultaneously in operation as practicable. Such opacity observations shall be performed in accordance with the frequency, duration, and other requirements specified in this permit.

**A.3 Reporting and Record Keeping Requirements**

**A.3.1 Test Reports:**

The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the emission limiting standards above, including reports of opacity observations made using Method 9.

[40 CFR 60.676(f)]

Copies of all reports, tests, notifications or other submittals required by this permit shall be submitted to the DERM, Air Facilities Section. All records required by this permit shall be kept by the permittee for a minimum of two years from the date of such records.

[Rule 62-4.070(3).F.A.C.]

**A.3.2 Change of processing material (Saturated versus Unsaturated)**

Any screening operation, bucket elevator, or belt conveyor that process saturated material and is subject to 40 CFR 672(h) and subsequently processes unsaturated material, shall submit a report of this change to the Department within 30 days following the change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in 40 CFR 672(b) and the emission test requirement of 40 CFR 60.11 and NSPS Subpart OOO. Likewise a screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change to the Department within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible limit in 40 CFR 60.672(h).

[40 CFR 676(g)]



A.3.3 AOR Supplemental Information: Annual-operating reports for the emission units covered under this section shall include following supplemental information that was recorded in the previous calendar year:

- The amount of material processed on a monthly basis
- A consecutive 12-month total of the amount of material processed, calculated from the monthly totals for the previous twelve calendar months

[Rule 62-4.070(3), F.A.C.]

**A.4 Reporting for Replacement of Facilities**

A.4.1 When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing facility, the new facility is exempt from provisions of 40 CFR 60.672 (standards for particulate matter), 40 CFR 60.674 (Monitoring of operations), and 40 CFR 60.675 (Test methods and procedures). Reconstruction costs shall be calculated per 40 CFR 60.673.

[40 CFR 60.670(d)(1)]

A.4.2 Replacing all existing facilities in a production line with new facilities does not qualify for the exemption described as above.

[40 CFR 60.670(d)(3)]

A.4.3 When seeking exemption as mentioned in condition 4.1, the permittee shall submit the following information required by 40 CFR 60.676(a) to the DERM, Air Facilities Section.

*The required information shall be submitted for both the existing facility that was replaced, and the replacement equipment.*

When Replacing...	Required Information	Rule Reference
a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station	Rated capacity in tons per hour; Model and Serial Numbers	40 CFR 60.676(a)(1)
a screening operation	The total surface area of the top screen; Model and Serial Numbers	40 CFR 60.676(a)(2)
a conveyer belt	The width of the belt	40 CFR 60.676(a)(3)
a storage bin	The rated capacity in tons	40 CFR 60.676(a)(4)

[40 CFR 60.676(a)]

A.4.4 The permittee shall not replace any facility covered under this permit with a piece of equipment of larger size or different function without applying for, and receiving, a modification of this permit to allow such replacement, unless this requirement is specifically waived in writing by the DERM, Air Facilities Section.

[40 CFR 60.670]

**PART III B  
 EMISSION UNIT SPECIFIC CONDITIONS**

This part of this permit addresses the following emission units:

Emission Unit Number	Emission Unit Description		
004	<b>CRUSHERS <u>NOT</u> SUBJECT TO NSPS SUBPART 000</b>		
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	South Primary: #4560 Impactor	Universal	700 tons per hour
	South Tertiary: #5530 Roll	Cedarapids	60 tons per hour
	Portable (Ft. Pierce)	Cedarapids	300 tons per hour
	Portable (Sunniland)	Cedarapids	350 tons per hour
005	<b>PROCESSING EQUIPMENT EXCEPT CRUSHERS <u>NOT</u> SUBJECT TO NSPS SUBPART 000</b>		
	<b><u>SCREENING OPERATIONS</u></b>		
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	South Scalper Screen: 4' x 18'	Universal	72 square feet
	Screen #1: 8' x 24' Triple-Deck	Simplicity	192 square feet
	Screen #2: 8' x 20' Triple-Deck	Simplicity	160 square feet
	Screen #3: 8' x 16' Triple-Deck	Simplicity	128 square feet
	Screen #4: 5' x 12' Two-Deck	Hewitt Robins	60 square feet
	<b><u>BELT CONVEYORS</u></b>		
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	Conveyor #1	In-House	36 inches
	Conveyor #2	In-House	24 inches
	Conveyor #3	In-House	36 inches
	Conveyor #4	In-House	24 inches
	South #89 Stacker	In-House	24 inches

<b><u>BELT CONVEYORS contd.</u></b>			
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	South #57 Stacker	In-House	24 inches
	South Concrete Sand Stacker	In-House	24 inches
	Drainfield Stacker	In-House	24 inches
	Conveyors for Portable Crusher (Ft. Pierce)	Cedarapids	300 tons per hour
	Conveyors for Portable Crusher (Sunniland)	Cedarapids	350 tons per hour
<b><u>STORAGE BIN</u></b>			
	South Dump Hopper	In-House	80 Tons
<b>007</b>	<b>DIESEL ENGINES</b>		
<b>DIESEL ENGINES FOR PORTABLE CRUSHING UNITS</b>			
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	Cedar Rapids Portable Crushing Unit (Ft. Pierce)	Detroit Diesel Model 12V71 Caterpillar Model 3408	300 tons per hour
	Hewitt Robbins Portable Crushing Unit (Ft. Pierce)	Deutz Model F3 Caterpillar Model 3408	200 tons per hour
	Cedar Rapids Portable Crushing Unit (Sunniland)	Caterpillar Model 3304PC Detroit Diesel Model 12V71	350 tons per hour
	Cedar Rapids Portable Crushing Unit (Harper Ft. Myers)	Detroit Diesel Model 12V71 Detroit Diesel Model 8V71	400 tons per hour
	Boehringer Portable Crushing Unit (Harper Ft. Myers)	Cummins Model KTV1150C Onan Model VT12-635	600 tons per hour

<b>DIESEL ENGINES FOR PORTABLE SCREENING UNITS</b>		
<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
Hazemag Portable Crushing Unit (Miami)	Caterpillar Model 3512	800 tons per hour
Deister Portable Screening Unit (Harper Ft. Myers)	Caterpillar Model 3306	800 tons per hour
MGL Portable Screening Unit (Ft. Pierce)	Cummins Model B5.9P-174	400 tons per hour
Powerscreen Portable Screening Unit (Ft. Pierce)	Deutz Model BF4M-1012	125 tons per hour
Read Portable Screening Unit (Ft. Pierce)	Deutz Model TXT3	75 tons per hour
Powerscreen Portable Screening Unit (Miami)	Deutz Model BF-4M-1012 Deutz Model IFN	225 tons per hour
Portable Screening Unit (Interlachen)	Cummins Model B5.9P-135	100 tons per hour

**B.1 Emission Limiting Standards and Operation Restrictions**

- B.1.1 Unrestricted Hours of Operation: The referenced emission units may operate continuously (8760 hours per year).
- B.1.2 Allowable Fuels: Fuel burned shall be limited to new number 2 fuel oil with a maximum sulfur content of 0.5% by weight.  
[Rule 62-4.070(3), F.A.C.]
- B.1.3 Fuel Consumption Limits: Diesel fuel consumption by all diesel units shall not exceed 250,000 gallons in any consecutive 12-month period.  
[Rule 62-4.070(1), F.A.C. and requested by applicant]

**B.2 Compliance Monitoring and Testing Requirements**

- B.2.1 Allowable Fuels: The owner or operator shall record and maintain records of the types of fuel burned. The owner or operator shall maintain records to demonstrate that each shipment of diesel fuel has 0.5 percent or less (by weight) of sulfur and that the sulfur content was determined by ASTM methods ASTM D4057-88 and ASTM D129-91, ASTM D2622-94 or ASTM D4294-90, adopted and incorporated by reference in Rule 62-297.440(1). Certifications from the fuel supplier in accordance with the above requirement shall be satisfactory records.  
[Rule 62-4.070(3), F.A.C.]

B.2.2 Test Frequency:

Visible emission : Though the permittee is not required to perform a visible emissions compliance test to demonstrate compliance with the facility-wide limitation annually or before renewal, when the DERM Air Facilities Section believes that the general visible emissions standard is being violated, DERM may require that the owner or operator perform a visible emissions compliance test per Chapter 62-297.310(7)(b), Special Compliance Tests, F.A.C.; or DERM personnel who are certified to perform visible emissions tests may determine compliance with the general visible emission standard.

[Guidance on the use of the General Visible Emissions Standard, DARM-PER-33, March 1, 2000]

**B.3 Reporting and Record Keeping Requirements**

B.3.1 AOR Supplemental Information: Annual-operating reports for the emission units covered under this section shall include following supplemental information that was recorded in the previous calendar year:

- a. The fuel consumption rate on a monthly basis, used by all diesel units
- b. The highest 12-month total fuel consumption, calculated from the monthly totals for the previous twelve calendar months
- c. The highest percent sulfur content (by weight) of diesel fuel received  
[Rule 62-4.070(3), F.A.C.]

B.3.2 Fuel Consumption Limits: The owner or operator shall record and maintain records of the fuel consumption on a monthly basis.

The permittee shall record and maintain the total consumption of diesel fuel by the diesel engines on a **monthly** basis. From the monthly records the permittee shall record and maintain a rolling 12-month total record of the amount of fuel consumed to demonstrate compliance with the fuel limitation in specific condition number Part III B.1.3.

[Rule 62-4.070(3), F.A.C.]

Executed in Miami-Dade County, Florida

DEPARTMENT OF ENVIRONMENTAL  
RESOURCES MANAGEMENT

**DRAFT**

Mallika Muthiah, Chief  
Air Facilities Section

MM/ek

cc: R. Bruce Mitchell , Bureau of Air Regulation, DEP  
Doug Neeley, Chief, Air Programs Branch, U.S. EPA, Region IV (Attn.: Gracy Danois)  
Isadore Goldman, P.E. Florida Department of Environmental Protection, West Palm Beach  
Steve C. Cullen, P.E., Koogler & Associates

**FILING AND ACKNOWLEDGMENT:** FILED, on this date, pursuant to § 120.52(7), F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

**DRAFT**

\_\_\_\_\_  
Clerk

\_\_\_\_\_  
Date

**APPENDIX A**  
**GENERAL CONDITIONS**

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1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections **403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.)**. The permittee is placed on notice that the DERM will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the DERM.
3. As provided in **Subsections 403.087(6) and 403.722(5), F.S.**, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other DERM permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and DERM's rules, unless specifically authorized by an order from the DERM.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by DERM's rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by DERM's rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized DERM personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - (a) Have access to and copy any records that must be kept under the conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or DERM's rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the DERM with the following information:
  - (a) A description of and cause of noncompliance; and

**APPENDIX A**  
**GENERAL CONDITIONS**

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- (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the DERM for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the DERM, may be used by the DERM as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or DERM's rules, except where such use is prescribed by **Sections 403.111 and 403.73, F.S.** Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in DERM's rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or DERM's rules.
11. This permit is transferable only upon DERM approval in accordance with **Rule 62-4.120 and 62-30.300, Florida Administrative Code (F.A.C.)**, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the DERM.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. The permittee shall comply with the following :
- (a) Upon request, the permittee shall furnish all records and plans required under DERM's rules. During enforcement actions, the retention period for all records will be extended automatically, unless otherwise stipulated by the DERM.
- (b) The permittee shall hold at the facility or other location designated by this permit, records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by DERM's rule.
- (c) Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.
14. When requested by the DERM, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the DERM, such facts or information shall be submitted or corrected promptly.

METROPOLITAN DADE COUNTY, FLORIDA



RECEIVED

NOV 30 2000



BUREAU OF AIR REGULATION  
ENVIRONMENTAL RESOURCES MANAGEMENT  
AIR QUALITY MANAGEMENT DIVISION

SUITE 900  
33 S.W. 2nd AVENUE  
MIAMI, FLORIDA 33130-1540  
(305) 372-6925

NOTICE OF AIR POLLUTION PERMIT

CERTIFIED MAIL 7000 0600 0027 7981 5673  
RETURN RECEIPT REQUESTED

**ISSUED TO:**

Florida Rock Industries (FRI), Inc.  
P.O. Box 4667  
Jacksonville, FL 32201

Permit Number: 0250006-005-AC & 006-AC  
Issue Date: November 20, 2000  
Expiration Date: November 19, 2001

Authorized Representative:

Mr. J. Michael O' Berry, Manager  
Environmental Permitting Services

**PROJECT:**

- A. Installation of a Powerscreen portable screening unit associated conveyors and diesel engines.
- B. Construction of two new conveyors at the existing # 5 screen.
- C. Inclusion of Federally Enforceable conditions by restricting fuel use and annual throughput.
- D. Authorization for the operation of any combination of portable material handling equipment, not to exceed operational limitations.
- E. Extension and replacement of Permit Number 0250006-004-AC

Facility Description: Crushed and Broken Limestone (SIC # 1422)

Location: 12201 NW 25<sup>th</sup> Street, Miami, Florida 33152

Lat./Long.: 25°48 '16" N / 80° 24' 05" W

UTM: Zone 17; 560 Km. E; 2864.0 Km. N

Dear Mr. O' Berry:

This is Permit Number 0250006-005-AC and 006-AC to construct an air pollution source issued by the **Miami-Dade County, Department of Environmental Resources Management (DERM) pursuant to Chapter 24, Code of Miami-Dade County and Chapter 403.087, Florida Statutes (F.S.)**. This is a construction permit to authorize construction of the emissions units described in this permit.

**NOTICE OF RIGHTS:**

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to **Section 120.68, F.S.**, by the filing of a Notice of Appeal pursuant to **Rule 9.110, Florida Rules of Appellate Procedure**, with the Clerk of the Metropolitan Dade County Department of Environmental Resources Management, Air Facilities Section, at 33 SW 2nd Avenue, Suite 900, Miami, Florida 33130-1540 and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Order is filed with the Clerk of the DERM.



**STATEMENT OF BASIS:**

This permit is issued under the provisions of **Chapter 24, Code of Miami-Dade County, Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297**, and in conformance with all existing regulations of the FDEP and the DERM rules. The above named owner or operator is hereby authorized to perform the work or construct the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the DERM and made a part hereof and specifically described in this permit.

**PERMIT CONTENTS:**

- Part I -- Summary Information
- Part II -- Facility-Wide Specific Conditions
- Part III -- Emission Units Specific Conditions

The documents listed below *are* a part of this permit and provide necessary supplementary information applicable to this permitting action.

Appendix A -- General Conditions

**PART I -- SUMMARY INFORMATION**

**CONSTRUCT:** This permit addresses the following air pollution emission units:

Emission Unit Number	Emission Unit Description
003	Crusher subject to NSPS Subpart OOO
004	Crusher not subject to NSPS subpart OOO
005	Affected facilities except crushers subject to NSPS subpart OOO
006	Processing equipment except crushers not subject to NSPS subpart OOO
007	Diesel powered units

**SIGNIFICANT DATES:**

Public Notice of Intent Published: May 1, 2000  
Application Received: March 21, 2000

**PERMIT HISTORY:**

- Permit No. 0250006-004-AC issued July 8, 1999
- Permit No. 0250006-003-AO issued January 22, 1996.
- Permit No. 0250006-002-AC issued January 22, 1996
- Permit No. AO 13246053 issued May 26, 1994
- Permit No. AC 13223473 issued April 6, 1993
- Permit No. AO 133200979 issued October 3, 1991
- Permit No. AO 13117239 issued August 4, 1986

This permit supersedes the previously issued permit No. 0250006-004-AC

## PART II -- FACILITY-WIDE SPECIFIC CONDITIONS

### 1.0 Administrative Requirements

- 1.1 Regulating Agencies: All applications, tests, reports, notifications, or other submittals required by this permit shall be submitted to the Miami-Dade County Department of Environmental Resources Management, Air Facilities Section located at 33 SW 2nd Avenue, Suite 900, Miami, Florida 33130-1540.
- 1.2 Citation Format: In this permit, references to **F.A.C. Rule 62-xxx** refer to rules promulgated under Title 62 of the Florida Administrative Code; references (if any) to 40 CFR 60.xx (or 61.xx or 63.xx) refer to regulations codified under Part 60 (or 61 or 63) of Title 40 of the Code of Federal Regulations.
- 1.3 Specific and General Conditions: The owner or operator shall be subject to the specific conditions of this permit and the owner or operator shall be aware of, and operate under, the attached General Conditions, attached as Appendix A of this permit. General Conditions are binding and enforceable pursuant to **Chapter 403, F.S. [F.A.C. Rule 62-4.160]**
- 1.4 Applicable Regulations: This facility is subject to regulation of **Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and 40 CFR 60, Subpart OOO**. Issuance of this permit does not relieve the facility owner or operator from compliance with any other applicable federal, state or local permitting requirements or other regulations.
- 1.5 Waste Disposal: The owner or operator shall treat, store, and dispose of all liquid, solid and hazardous wastes in accordance with all applicable Federal, State and Local regulations.
- 1.6 Other Permits: This air pollution permit does not preclude the owner or operator from obtaining any other types of required permits, licenses or certifications from the DERM or other departments or agencies.
- 1.7 Operation Permit Required: This permit authorizes construction and/or installation of the permitted emission units and initial operation to determine compliance with Department rules. **An operation permit is required for regular operation of the permitted emission units.** The owner or operator shall **apply for and receive** an operation permit prior to expiration of this permit. An application for an operation permit shall be submitted to the DERM, Air Facilities Section. To apply for an operation permit, the applicant shall submit the appropriate application fee and, in triplicate, the appropriate application form, a certification that construction was completed with a notation of any deviations from the conditions in the construction permit, compliance test results, and such additional information as the Department may by law require.  
[Rules 62-4.030, 62-4.050, 62-4.220, and 62-210.300, F.A.C.]
- 1.8 Extension of this Permit: The expiration date of this construction permit may be extended upon request of the owner or operator and submission of the appropriate fee to the Department of Environmental Protection, Southeast District Office, Air Program **at least 60 days prior** to the expiration date of this permit.  
[Rules 62-4.030, 62-4.050, and 62-4.220 F.A.C., F.A.C.]

### 2.0 General Pollutant Emission Limiting Standards

- 2.1 Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants that cause or contribute to an objectionable odor.  
[Rule 62-296.320(2) F.A.C.]

2.2 General Visible Emission Standard: Unless otherwise specified by permit or rule, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emission of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity.  
[Rule 62-296.320(4)(b) F.A.C.]

2.3 Unconfined Emission of Particulate Matter:  
No person shall cause, let, permit, suffer or allow the emission of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emission.

Reasonable precautions include the following:

- Paving and maintenance of roads, parking areas and yards.
- Application of water or chemicals to control emission from such activities as demolition of buildings, grading roads, construction, and land clearing.
- Application of asphalt, water, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
- Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- Landscaping or planting of vegetation.
- Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- Confining abrasive blasting where possible.
- Enclosure or covering of conveyor systems.
- Substitution of powdery materials with granular or pelletized materials, where possible.

[Rule 62-296.320(4)(c) F.A.C.]

### 3.0 **Operation Requirements**

3.1 Permitted Capacity: The processed raw material throughput is limited to 10,000,000 tons in any 12-month period.  
[Rule 62-210.200, F.A.C., Definitions-PTE; requested by applicant]

3.2 Circumvention: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.  
[Rule 62-210.650 F.A.C.]

3.3 Excess Emissions:  
Excess emissions resulting from startup, shutdown or malfunction of any emission unit shall be permitted providing best operational practices to minimize emission are adhered to, and the duration of excess emission shall be minimized but in no case exceeds two hours in any 24 hour period unless specifically authorized by the Department for longer duration.

Excess emission which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.

[Rule 62-210.700, F.A.C.]

#### 4.0 Compliance Testing Requirements

- 4.1 Test Notification: Unless otherwise specified in this permit, the DERM, Air Facilities Section shall be notified in writing of expected compliance test dates at least fifteen (15) days prior to compliance testing. The notification shall include the following information: the date, time, and location of each test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner.  
[Rule 62-297.310(7)(a)9 F.A.C.]
- 4.2 Testing at Capacity: Compliance testing shall be conducted with the emission units operating at the permitted capacity (90 to 100% of the maximum permitted operation rate of the emission units). If an emission unit is not tested at permitted capacity, the emission unit shall not be operated above 110% of the test load until a new test showing compliance is conducted. Operation of the emission unit above 110% of the test load is allowed for no more than 15 days for the purpose of conducting additional compliance testing to regain the authority to operate at the permitted capacity.  
[Rule 62-297.310(2), F.A.C.]
- 4.3 Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emission or questionable maintenance of control equipment) to believe that any applicable emission standard in Rules 62-204 through 62-297 or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emission unit to conduct compliance tests which identify the nature and quantity of pollutant emission from the emission unit and to provide a report on the results of said tests to the Department.  
[Rule 62-297.310(7)(b), F.A.C.]
- 4.4 Determination of Process Variables.  
(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.  
(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.  
[Rule 62-297.310(5), F.A.C.]

#### 5.0 Reporting and Record Keeping Requirements

- 5.1 Report Excess Emission: In case of excess emission resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. (condition 5.2 below). A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.  
[Rule 62-210.700(6), F.A.C.]
- 5.2 Report Plant Operation Problems: If the owner or operator is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the owner or operator shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the owner or operator from any liability for failure to comply with Department rules.  
[Rule 62-4.130, F.A.C.]

5.3 Retain Records: All records required by this permit shall be kept by the owner or operator and made available for Department inspection for a minimum of two (2) years from the date of such records.  
[Rule 62-4.070(3), F.A.C.]

5.4 Compliance Test Reports: Compliance test reports shall be submitted to the DERM, Air Facilities Section, as soon as practical, but no later than 45 days after the last sampling run of each test is completed.

Test reports shall provide sufficient detail on the emission unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. Test reports, other than for an EPA or DEP Method 9 test, shall include the following information and other information as necessary to make a complete report required pursuant to Rule 297.310(8)(c), F.A.C.:

- The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
- The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
- The type of air pollution control devices installed on the emission unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
- All measured and calculated data required to be determined by each applicable test procedure for each run.
- The detailed calculations for one run that relate the collected data to the calculated emission rate.
- The applicable emission standard, and the resulting maximum allowable emission rate for the emission unit, plus the test result in the same form and unit of measure.

[Rules 62-297.310(8)(a),(b) & (c), F.A.C.]

5.5 Annual Report Required: On or before March 1 of each calendar year, a completed DEP Form 62-210.900(5), Annual Operating Report (AOR) Form for Air Pollutant Emitting Facility, shall be submitted to DERM, Air Facilities Section. Included with this report shall be any additional reports, if any, required by this permit in Part III -- Emission Unit Specific Conditions.

[Rule 62-4.070(3), F.A.C.]

**PART III -A-  
 EMISSION UNIT SPECIFIC CONDITIONS**

This part of this permit addresses the following emission units:

These Units are subject to 40 CFR Part 60, NSPS Subpart OOO; Standards of Performance for Non-Metallic Mineral Processing Plants.

Emission Unit Number	Emission Unit Description		
<b>003</b>	<b>CRUSHER SUBJECT TO NSPS SUBPART OOO</b>		
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	North Primary: #4555 Impactor	Universal	425 tons per hour
	North Secondary: Impactor	Hazemag	300 tons per hour
	South Secondary: Impactor	Hazemag	300 tons per hour
	Portable (Ft. Pierce)	Hewitt Robbins	200 tons per hour
	Portable (Fort Myers)	Cedarapids	400 tons per hour
	Portable (Fort Myers)	Boehringer	600 tons per hour
	Portable (Miami)	Hazemag	800 tons per hour
<b>005</b>	<b>AFFECTED FACILITIES EXCEPT CRUSHERS SUBJECT TO NSPS SUBPART OOO</b>		
	<b>SCREENING OPERATIONS</b>		
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	North Scalper Screen: 4' x 16'	Hewitt Robins	64 square feet
	Screen #3: 8' x 16' Triple-Deck	Simplicity	128 square feet
	Screen #5: 8' x 20' Triple-Deck	Deister	160 square feet
	North Rail Shaker; 8' x 20' Triple-Deck	SECO	160 square feet
	South Rail Shaker, 8' x 20' Triple-Deck	Nordberg,	160 square feet
	Portable Screen and Conveyors; (Fort Myers)	Deister/Boehringer;	800 tons per hour
	Portable Screen and Conveyors (Ft. Pierce)	MGL	96 square feet

<b><u>SCREENING OPERATIONS contd.</u></b>		
<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
Portable Screen and Conveyors (Ft. Pierce)	Powerscreen	50 square feet
Portable Screen (Ft. Pierce)	Read	65 square feet
Portable Screen and Conveyors (Miami)	Powerscreen	50 square feet
Portable Screen and Conveyors (Interlachen/Umatilla)	Screen Machine	100 tons per hour
<b><u>Storage Bins</u></b>		
North Dump Hopper	In-House	80 Tons
North Rail Dump Hopper	In-House	35 Tons
South Rail Dump Hopper	In-House	35 Tons
<b><u>Belt Conveyors</u></b>		
Conveyor #5	In-House	36 inches
Conveyor #6	In-House	36 inches
Conveyor #7	In-House	24 inches
Conveyor #8	In-House	24 inches
Conveyor #9	In-House	30 inches
Conveyor #10	In-House	24 inches
Conveyor #11	In-House	24 inches
Transfer Conveyor #13	In-House	30 inches
North #89 Stacker	In-House	24 inches
North #57 Stacker	In-House	24 inches
North Concrete Sand Stacker	In-House	24 inches
North Asphalt Sand Stacker	In-House	24 inches
South Asphalt Sand Stacker	In-House	24 inches
Base Rock Stacker #14	In-House	24 inches

Emission Unit 005	<b><u>Belt Conveyors (contd.)</u></b>		
	North Rail Feed Conveyor	In-House	42 inches
	North Rail Stacker	In-House	42 inches
	South Rail Feed Conveyor	In-House	42 inches
	South Rail Transfer Conveyor	In-House	42 inches
	South Rail Stacker	In-House	42 inches
	(NEW) Horizontal Transfer Conveyor	In-House	30 inches
	(NEW) Radial Stacker	In-House	30 inches
	Conveyors for Portable Crusher (Ft. Pierce)	Hewitt Robbins	200 tons per hour
	Conveyors for Portable Crusher (Fort Myers)	Cedarapids	400 tons per hour
	Conveyors for Portable Crusher (Fort Myers)	Boehringer	600 tons per hour
	Conveyors for Portable Crusher (Miami)	In-House	800 tons per hour

**A.1 Emission Limiting Standards and Operation Restrictions**

A.1.1 Permitted Capacity: See Facility-Wide Specific Condition 3.1 in Part II

A.1.2 Visible Emission Standards:

EMISSION UNIT	UNIT DESCRIPTION	OPACITY STANDARD	RULE REFERENCE
003	Crusher	Not greater than 15%	40 CFR 60.672 (c)
005	Belt Conveyor	Not greater than 10%	40 CFR 60.672(b)
	Truck Dumping	Exempt	40 CFR 60.672(d)
	Wet screening operations, subsequent screening operations, bucket elevators, and belt conveyors that process saturated material <sup>1&amp;2</sup>	No visible emission (zero percent)	40 CFR 60.672(h)

**Note:** (1) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.

(2) Screening operations, bucket elevators and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

[40 CFR 60.672(h)(1) & (2)]



A.1.3 The opacity standards specified in A.1.2 shall apply at all times except during periods of startup, shutdown and malfunction. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emission. The duration of excess emission shall be minimized and shall not exceed two hours in any 24-hour period. Excess emission which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.

[Rules 62-210.700 and 40 CFR 60.11(c) & (d), F.A.C.]

A.1.4 Unrestricted Hours of Operation: The referenced emission unit(s) may operate continuously (8760 hours per year).

[Rule 62-210.200 (PTE), F.A.C.]

## A.2 Compliance Monitoring and Testing Requirements

### A.2.1 Visible Emission Test Required:

In determining compliance with the fugitive particulate matter emission limiting standards above, the owner or operator shall use EPA Method 9 and the procedures in 40 CFR 60.11, with the following additions:

- a. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
- b. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (EPA Method 9, Section 2.1) must be followed.
- c. For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emission and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emission is to be made at a point in the plume where the mist is no longer visible.

[40 CFR 60.675(c)(1)]

### A.2.2 Performance Test:

The initial visible emission compliance test shall be completed within 180 days of the issuance date of this permit for those affected facilities not tested in 1996. For affected facilities that have previously demonstrated initial compliance, testing for the purposes of obtaining an operation permit shall be conducted prior to the expiration of this permit. Only that portable equipment that is onsite during scheduled compliance testing will be tested.

[40 CFR 60.8(a), Permit No. 0250006-002-AC, SC 8.]

A.2.3 The permittee shall use as reference methods and procedures the EPA test methods in 40 CFR 60 Appendix A, unless the Department

- 1) Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology
- 2) Approves the use of an equivalent method,
- 3) Approves the use of an alternative method the results of which the Department has determined to be adequate for indicating whether a specific source is in compliance,

- 4) Waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Department's satisfaction that the affected facility is in compliance with the standard, or
- 5) Approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.  
[40 CFR 60.8(b)]

A.2.4 Opacity Test Requirements:

A) For the purpose of determining Initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test, except as noted in B) and C) below. Subsequent compliance tests shall be thirty minutes in duration.

[40 CFR 60.675(c)(2), and 40 CFR 60.11(b), Permit No. 0250006-002-AC, SC 6.c.]

B) When determining compliance for affected facilities under 60.672(b) [Belt Conveyers] the duration of EPA Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- i) There are no individual readings greater than 10 percent opacity; and
- ii) There are no more than 3 readings of 10 percent for the 1-hour period.

[40 CFR 60.675 (c)(3)]

C) When determining compliance for affected facilities under 60.672(c) [Crusher] the duration of Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- i) There are no individual readings greater than 15 percent opacity; and
- ii) There are no more than 3 readings of 15 percent for the 1-hour period.

[40 CFR 60.675(c)(4)]

D) For the method and procedure above, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emission from an individual affected facility cannot be read, either of the following procedures may be used:

- i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emission stream.
- ii) Separate the emission so that the opacity of emission from each affected facility can be read.

[40 CFR 60.675(e)]

E) EPA Method 9 performance tests are not required for:

- i) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.
- ii) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, that process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

A.2.5 Test Notification:

The permittee shall provide the DERM Air Facilities Section at least 15 days prior notice of any performance test.

[40 CFR 60.675, and 40 CFR 60.8(d)]

If, after 30 days notice for an initially scheduled performance test, there is a delay in conducting any scheduled performance test, the permittee shall submit a notice to the Department at least 7 days prior to any scheduled performance test.

[40 CFR 60.675(g)]

- A.2.6 For transfer points on conveyor belts enclosed by tunnels, emission from these transfer points shall be evaluated by performing opacity determinations using EPA Method 9 at each end of such tunnel. Compliance with the opacity limitation at each end of such tunnel shall indicate the transfer points within each tunnel comply with the opacity limitation. Such opacity observations shall be conducted while the facility is running with the most drop points simultaneously in operation as practicable. Such opacity observations shall be performed in accordance with the frequency, duration, and other requirements specified in this permit.

### A.3 Reporting and Record Keeping Requirements

#### A.3.1 Test Reports:

The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the emission limiting standards above, including reports of opacity observations made using Method 9.

[40 CFR 60.676(f)]

Copies of all reports, tests, notifications or other submittals required by this permit shall be submitted to the DERM, Air Facilities Section. All records required by this permit shall be kept by the permittee for a minimum of two years from the date of such records.

[Rule 62-4.070(3).F.A.C.]

#### A.3.2 Change of processing material (Saturated Vs Unsaturated)

Any screening operation, bucket elevator, or belt conveyer that process saturated material and is subject to 40 CFR 672(h) and subsequently processes unsaturated material, shall submit a report of this change to the Department within 30 days following change. This screening operation, bucket elevator, or belt conveyer is then subject to the 10 percent opacity limit in 40 CFR 672(b) and the emission test requirement of 40 CFR 60.11 and NSPS Subpart OOO. Likewise a screening operation, bucket elevator, or belt conveyer that processes unsaturated material but subsequently processes saturated material shall submit a report of this change to the Department within 30 days following such change. This screening operation, bucket elevator, or belt conveyer is then subject to the no visible limit in 40 CFR 60.672(h).

[40 CFR 676(g)]

- A.3.3 AOR Supplemental Information: Annual-operating reports for the emission units covered under this section shall include following supplemental information that was recorded in the previous calendar year:

- The amount of material processed on a monthly basis
- A consecutive 12-month total of the amount of material processed, calculated from the monthly totals for the previous twelve calendar months

[Rule 62-4.070(3), F.A.C.]

### A.4 Reporting for Replacement of Facilities

- A.4.1 When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing facility, the new facility is exempt from provisions of 40 CFR

60.672 (standards for particulate matter), 40 CFR 60.674 (Monitoring of operations), and 40 CFR 60.675 (Test methods and procedures). Reconstruction costs shall be calculated per 40 CFR 60.673.  
 [40 CFR 60.670(d)(1)]

A.4.2 Replacing all existing facilities in a production line with new facilities does not qualify for the exemption described above.  
 [40 CFR 60.670(d)(3)]

A.4.3 When seeking exemption as mentioned in condition 4.1, the permittee shall submit the following information required by 40 CFR 60.676(a) to the DERM, Air Facilities Section.

*The required information shall be submitted for both the existing facility that was replaced, and the replacement equipment.*

When Replacing...	Required Information	Rule Reference
a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station	Rated capacity in tons per hour; Model and Serial Numbers	40 CFR 60.676(a)(1)
a screening operation	The total surface area of the top screen; Model and Serial Numbers	40 CFR 60.676(a)(2)
a conveyer belt	The width of the belt	40 CFR 60.676(a)(3)
a storage bin	The rated capacity in tons	40 CFR 60.676(a)(4)

[40 CFR 60.676(a)]

A.4.4 The permittee shall not replace any facility covered under this permit with a piece of equipment of larger size or different function without applying for, and receiving, a modification of this permit to allow such replacement, unless this requirement is specifically waived in writing by the DERM, Air Facilities Section.  
 [40 CFR 60.670]

**PART III B  
 EMISSION UNIT SPECIFIC CONDITIONS**

This part of this permit addresses the following emission units:

Emission Unit Number	Emission Unit Description		
004	<b>CRUSHERS <u>NOT</u> SUBJECT TO NSPS SUBPART 000</b>		
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	South Primary: #4560 Impactor	Universal	700 tons per hour
	South Tertiary: # 5530 Roll	Cedarapids	60 tons per hour
	Portable (Ft. Pierce)	Cedarapids	300 tons per hour
	Portable (Sunniland)	Cedarapids	350 tons per hour
005	<b>PROCESSING EQUIPMENT EXCEPT CRUSHERS <u>NOT</u> SUBJECT TO NSPS SUBPART 000</b>		
	<b><u>SCREENING OPERATIONS</u></b>		
	<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>
	South Scalper Screen: 4' x 18'	Universal	72 square feet
	Screen #1: 8' x 24' Triple-Deck	Simplicity	192 square feet
	Screen #2: 8' x 20' Triple-Deck	Simplicity	160 square feet
	Screen #3: 8' x 16' Triple-Deck	Simplicity	128 square feet
	Screen #4: 5' x 12' Two-Deck	Hewitt Robins	60 square feet

<b><u>SCREENING OPERATION Contd.</u></b>			
<b><u>BELT CONVEYORS</u></b>			
<b>DESCRIPTION</b>	<b>MANUFACTURER</b>	<b>CAPACITY</b>	
Conveyor #1	In-House	36 inches	
Conveyor #2	In-House	24 inches	
Conveyor #3	In-House	36 inches	
Conveyor #4	In-House	24 inches	
South #89 Stacker	In-House	24 inches	
South #57 Stacker	In-House	24 inches	
South Concrete Sand Stacker	In-House	24 inches	
Drainfield Stacker	In-House	24 inches	
Conveyors for Portable Crusher (Ft. Pierce)	Cedarapids	300 tons per hour	
Conveyors for Portable Crusher (Sunniland)	Cedarapids	350 tons per hour	
<b><u>STORAGE BIN</u></b>			
South Dump Hopper	In-House	80 tons	

007	<b>DIESEL ENGINES</b>		
<b>DIESEL ENGINES FOR PORTABLE CRUSHING UNITS</b>			
<b>DESCRIPTION</b>		<b>MANUFACTURER</b>	<b>CAPACITY</b>
Cedar Rapids Portable Crushing Unit (Ft. Pierce)		Detroit Diesel Model 12V71  Caterpillar Model 3408	300 tons per hour
Hewitt Robbins Portable Crushing Unit (Ft. Pierce)		Deutz Model F3  Caterpillar Model 3408	200 tons per hour
Cedar Rapids Portable Crushing Unit (Sunniland)		Caterpillar Model 3304PC  Detroit Diesel Model 12V71	350 tons per hour
Cedar Rapids Portable Crushing Unit (Harper Ft. Myers)		Detroit Diesel Model 12V71  Detroit Diesel Model 8V71	400 tons per hour
Boehring Portable Crushing Unit (Harper Ft. Myers)		Cummins Model KTV1150C  Onan Model VT12-635	500 tons per hour
<b>DIESEL ENGINES FOR PORTABLE SCREENING UNITS</b>			
<b>DESCRIPTION</b>		<b>MANUFACTURER</b>	<b>CAPACITY</b>
Hazemag Portable Crushing Unit (Miami)		Caterpillar Model 3512	800 tons per hour
Deister Portable Screening Unit (Harper Ft. Myers)		Caterpillar Model 3306	800 tons per hour
MGL Portable Screening Unit (Ft. Pierce)		Cummins Model B5.9P-174	400 tons per hour
Powerscreen Portable Screening Unit (Ft. Pierce)		Deutz Model BF4M-1012	125 tons per hour

	Read Portable Screening Unit (Ft. Pierce)	Deutz Model TXT3	75 tons per hour
	Powerscreen Portable Screening Unit (Miami)	Deutz Model BF-4M-1012 Deutz Model IFN	225 tons per hour
	Portable Screening Unit (Interlachen)	Cummins Model B5.9P-135	100 tons per hour

**B.1 Emission Limiting Standards and Operation Restrictions**

- B.1.1 Unrestricted Hours of Operation: The referenced emission units may operate continuously (8760 hours per year).
- B.1.2 Allowable Fuels: Fuel burned shall be limited to new number 2 fuel oil with a maximum sulfur content of 0.5% by weight.  
[Rule 62-4.070(3), F.A.C.]
- B.1.3 Fuel Consumption Limits: Diesel fuel consumption by all diesel units shall not exceed 250,000 gallons in any consecutive 12-month period.  
[Rule 62-4.070(1), F.A.C. and requested by applicant]

**B.2 Compliance Monitoring and Testing Requirements**

- B.2.1 Allowable Fuels: The owner or operator shall record and maintain records of the types of fuel burned. The owner or operator shall maintain records to demonstrate that each shipment of diesel fuel has 0.5 percent or less (by weight) of sulfur and that the sulfur content was determined by ASTM methods ASTM D4057-88 and ASTM D129-91, ASTM D2622-94 or ASTM D4294-90, adopted and incorporated by reference in Rule 62-297.440(1). Certifications from the fuel supplier in accordance with the above requirement shall be satisfactory records.  
[Rule 62-4.070(3), F.A.C.]
- B.2.2 Test Frequency

Visible emission: Though the permittee is not required to perform a visible emissions compliance test to demonstrate compliance with the facility-wide limitation annually or before renewal, when the DERM Air Facilities Section believes that the general visible emissions standard is being violated, DERM may require that the owner or operator perform a visible emissions compliance test per Chapter 62-297.310(7)(b), Special Compliance Tests, F.A.C.; or DERM personnel who are certified to perform visible emissions test may determine compliance with the general visible emissions standard.  
[Guidance on the use of the General Visible Emissions Standard, DARM-PER-33, March 1, 2000]



**B.3 Reporting and Record Keeping Requirements**

B.3.1 AOR Supplemental Information: Annual-operating reports for the emission units covered under this section shall include the following supplemental information that was recorded in the previous calendar year:

- a. The fuel consumption rate on a monthly basis, used by all diesel units
  - b. The highest 12-month total fuel consumption, calculated from the monthly totals for the previous twelve calendar months
  - c. The highest percent sulfur content (by weight) of diesel fuel received
- [Rule 62-4.070(3), F.A.C.]

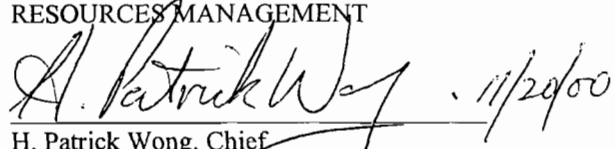
B.3.2 Fuel Consumption Limits: The owner or operator shall record and maintain records of the fuel consumption on a monthly basis.

The permittee shall record and maintain the total consumption of diesel fuel by the diesel engines on a **monthly** basis. From the monthly records the permittee shall record and maintain a rolling 12-month total record of the amount of fuel consumed to demonstrate compliance with the fuel limitation in specific condition number Part III B, 1.3.4.

[Rule 62-4.070(3), F.A.C.]

Executed in Miami-Dade County, Florida

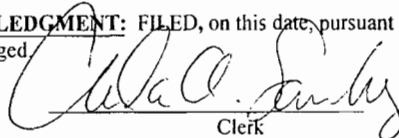
DEPARTMENT OF ENVIRONMENTAL  
RESOURCES MANAGEMENT

  
H. Patrick Wong, Chief  
Air Facilities Section  
Air Quality Management Division

PW/ek

cc: R. Bruce Mitchell, Bureau of Air Regulation, DEP  
Doug Neeley, Chief, Air Programs Branch, U.S. EPA, Region IV (Attn.: Gracy Danois)  
Isadore Goldman, P.E. Florida Department of Environmental Protection, West Palm Beach  
Steve C. Cullen, P.E., Koogler & Associates

**FILING AND ACKNOWLEDGMENT**: FILED, on this date, pursuant to § 120.52(7), F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

  
Clerk

11/20/00  
Date



**KOGLER & ASSOCIATES**  
**ENVIRONMENTAL SERVICES**  
 4014 NW THIRTEENTH STREET  
 GAINESVILLE, FLORIDA 32609  
 352/377-5822 • FAX/377-7158

**RECEIVED** **FILED**  
 March 13, 2000

MAR 14 2000

BUREAU OF AIR REGULATION

Mr. William Leffler, P.E.  
 Permit Engineer  
 FDEP DARM  
 2600 Blair Stone Road, MS 5505  
 Tallahassee, Florida 32399-2400

Subject: Florida Rock Industries, Inc.  
 Waiver of Permit Processing Time Clocks  
 (6) Applications for Relocatable Permits

Dear Mr. Leffler:

Per our meeting at your office on March 2, 2000, this letter waives applicable permit processing time clocks for the referenced applications for Florida Rock. The applications are specifically described as follows:

- Cedar Rapids Portable Crushing Unit – Ft. Pierce *0 250006 - 005 - AC 006 - AC*
- Cedar Rapids Portable Crushing Unit – Sunniland *1110072 - 014 AC*
- Hewitt Robbins Portable Crushing Unit – Ft. Pierce "
- MGL Portable Screening Unit – Ft. Pierce *1110072 - 009 - AC*
- Cedar Rapids Portable Crushing Unit – Ft. Myers
- Powerscreen Portable Screening Unit – Ft. Pierce *1110072 - 007 - AO*

The waiver will allow Florida Rock to pursue permitting of the relocatable units at the DEP District level within the existing stationary source permits for their mines. This waiver is requested, rather than withdrawing the applications, to preserve Florida Rock's ability to permit the relocatable units through the Tallahassee office.

**WAIVER OF 90 DAY TIME LIMIT**  
**UNDER SECTIONS 120.60 AND 403.0876, FLORIDA STATUTES**

Applicant's Name: **Florida Rock Industries, Inc.**

The undersigned has read sections 120.60 and 403.0876, Florida Statutes, and fully understands the applicant's rights under those sections.

With regard to the above referenced permit applications, the applicant hereby with full knowledge and understanding of its rights under Sections 120.60 and 403.0876,

Florida Statutes, waives the right under Sections 120.60 and 403.0876, Florida Statutes, to have the application approved or denied by the State of Florida Department of Environmental Protection within the time periods prescribed in Sections 120.60 and 403.0876, Florida Statutes.

Said waiver is made freely and voluntarily by the applicant, is in its self-interest, and without any pressure or coercion by anyone employed by the State of Florida Department of Environmental Protection.

This waiver shall expire on the 31<sup>st</sup> day of December , 2000.

The undersigned is authorized to make this waiver on behalf of the applicant.

In specific, this letter waives the 30-day completeness reviews of the information provided to the Department. This waiver shall in no way limit the Department's ability to request information at any time. This waiver shall expire December 31, 2000, at which time all processing time clocks will resume.

For all permit applications, Section 403.0876(1), Florida Statutes, provides that within 30 days after receipt of an application for a permit under this chapter, the department shall review the application and shall request submittal of all additional information the department is permitted by law to require, and within 30 days after receipt of such additional information, the department shall review it and may request only that information needed to clarify such additional information or to answer new questions raised by or directly related to such additional information. This letter waives the 30-day completeness reviews of Section 403.0876(1), Florida Statutes.

I trust that this letter is responsive to your request. If you have any questions or comments, please do not hesitate to contact me.

Sincerely,



Steven C. Cullen, PE  
Koogler & Associates

Consultant to Florida Rock Industries, Inc.

copy to: Michael O'Berry – Florida Rock





**KOOGLER & ASSOCIATES**  
**ENVIRONMENTAL SERVICES**

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

**KA187-99-05**  
**August 31, 1999**

Isidore Goldman  
Southeast District—Air Program  
Florida Department of Environmental Protection  
P. O. Box 15425  
West Palm Beach, FL 33416

RECEIVED  
SEP 22 1999  
DEPT. OF ENVIRONMENTAL PROTECTION  
WEST PALM BEACH

**SUBJECT:** Florida Rock Industries, Inc.—Fort Pierce Mine  
Permit No. 1110072-007-AO  
Application for Air Construction Permit  
Install an Additional Portable Screening Unit

Dear Mr. Goldman:

Enclosed please find four (4) copies of the referenced application. A check for \$500 is enclosed as the applicable processing fee.

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

Sincerely,

Koogler & Associates

KEN CONWELL, Project Engineer

Encl:

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



# Department of Environmental Protection

FILE

Lawton Chiles  
Governor

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

Virginia B. Wecherell  
Secretary

NOV 24 1998

CERTIFIED MAIL

Mr. Thompson S. Baker, II  
President Aggregates Group  
Florida Rock Industries, Inc.  
Post Office Box 4667  
Jacksonville, FL 32201

7220 331 792 11/24  
DEP File No. 1110072-007-AO  
St. Lucie County  
Project: Florida Rock Industries, Inc.  
Ft. Pierce Quarry

RE: Modification of Air Permit, Permit Number 1110072-005-AO, Issued September 28, 1996

Dear Mr. Baker:

We have reviewed your request for a modification of permit 1110072-003-AO, received November 12, 1998. However, this operation permit was superseded by permit 1110072-005 issued September 26, 1996. Pursuant to your request, the current permit 1110072-005-AO is changed as follows:

The following units are not in service at the above permitted facility:

Crushers: Cedar Rapids/4340

Screening: Cedar Rapids (4'x20'), and Cedar Rapids (5'x16")

Conveying: Cedar Rapids #1 Undercrusher, Cedar Rapids Swivel Conveyor, Cedar Rapids Rip Rap Belt, Cedar Rapids Underscreen Conveyor, and Cedar Rapids Radial Stacker.

Power Units: Diesel engine Detroit/1271, and CAT/3408

This letter must be attached to the original permit and becomes part of that permit. The remaining provisions of the permit are not changed by this action and remain in effect.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3)

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of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and (f) A demand for relief.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542 F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information: (a) The name, address, and telephone number of the petitioner; (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any; (c) Each rule or portion of a rule from which a variance or waiver is requested; (d) The citation to the statute underlying (implemented by) the rule identified in (c) above; (e) The type of action requested; (f) The specific facts that would justify a variance or waiver for the petitioner; (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2) F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such

federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

If you have questions regarding this modification, you may contact Manuel Delosantos at (561) 681-6656.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

I. Goldman, P.E. 11-24-98  
Isidore Goldman, P.E. Date  
District Air Program Administrator  
Southeast District

IG/md

cc: Steven Cullen, P.E., Koogler & Associates  
4014 NW 13th Street, Gainesville, FL 32609  
Tom Tittle, Air Program, SED

**FILING AND ACKNOWLEDGMENT:** FILED, on this date, pursuant to § 120.52(7), F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Jenda C Thomas 11/24/98  
Clerk Date



# Department of Environmental Protection **COPY**

Jeb Bush  
Governor

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

**RECEIVED** David B. Guhs  
Secretary

NOTICE OF AIR POLLUTION PERMIT

JUN 07 2000

**JUN 06 2000**  
CERTIFIED MAIL  
P 109 463 198

**BUREAU OF AIR REGULATION**

**ISSUED TO:**

Florida Rock Industries (FRI), Inc.  
P.O. Box 4667  
Jacksonville, FL 32201

Permit Number: 1110072-014-AC  
Issue Date: June 6, 2000  
Expiration Date: June 5, 2001

**Authorized Representative:**

Thompson S. Baker, II  
President Aggregates Group

**PROJECT:**

Project: Installation of MGL Screening Unit; Reinstatement of Cedarapids Crusher, Federal Enforceability and Allowance of Crushers and Screening Units from other FRI locations.  
Facility Description: Crushed and Broken Limestone (SIC # 1422)  
Location: St. Lucie County, Florida  
Lat./Long.: 27°14'41" N / 80°30'57" W  
UTM: Zone 17; 547.5 Km. E; 3013.5 Km. N

Dear Baker:

This is Permit Number 1110072-014-AC to construct an air pollution source issued pursuant to Chapter 403.087, Florida Statutes (F.S.). This is a new construction permit to authorize construction of the emission units described in this permit.

**NOTICE OF RIGHTS:**

Any party to this Order has the right to seek judicial review of the permit under Section 120.68 of the Florida Statutes, by filing a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Order is filed with the Clerk of the Department.

**STATEMENT OF BASIS:**

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and in conformance with all existing regulations of the Florida Department of Environmental Protection. The above named owner or operator is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department, in accordance with the terms and conditions of this permit.

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*Printed on recycled paper.*



**PART I -- SUMMARY INFORMATION**

**PERMIT CONTENTS:**

- Part I -- Summary Information
- Part II -- Facility-Wide Specific Conditions
- Part III -- Emission Units Specific Conditions
- Appendix A -- General Conditions

**CONSTRUCT:** This permit addresses the following air pollution emission units:

Emission Unit Number at Ft. Pierce Plant	Emission Unit Description
001	Crusher (Hewitt Robins rated at 200 TPH; Model 13654VM; Serial 20-G04944-01) subject to NSPS Subpart OOO
002	All other operations subject to NSPS Subpart OOO Screening and Conveying Systems (Powerscreen; Model Commander 510; Serial 5700685) (MGL Screen Machine; Model VFP4816; Serial FRK616) (Reed Screen; Model RD9513; Serial 1212)
003	Diesel Powered Units (Deutz; Model F3; Serial F3L912F; for Hewitt Robins Crusher) (CAT; Model 3408; Serial 67U07679; for Hewitt Robins Crusher) (Detroit; Model 12V71; Serial 12V115801510; for Cedarapids Crusher) (CAT; Model 3408; Serial 67U09934; for Cedarapids Crusher) (Deutz; Model BF4M-1012-0; Serial 00075072; for Powerscreen) (Cummins; Model B5.9P-174; Serial 45844436; for MGL Screen Machine) (Deutz; Model TXT3; Serial 4300229TXT3A052; for Reed Screen) (John Deere; Model TF150; Serial T0608T793893; Pump: settling pit to canal) (Deutz; Model F4; Serial F4L1011F; Pump: settling pit to water trucks) (John Deere; Model TF150; Serial T0608T736391; Pump: working pit to settling pit) (Perkins; Model N/A; Serial 57872400; Pump: Water supply to Powerscreen) (CAT; Model 3304PC; Serial 6N7984; for Cedarapids Crusher from Sunniland) (Detroit; Model 12V71; Serial 12VAB700703; for Cedarapids Crusher from Sunniland) (Detroit; Model 12V71; Serial 713-7330; for Cedarapids Crusher from Ft. Myers) (Detroit; Model 8V71; Serial 7083-7000; for Cedarapids Crusher from Ft. Myers) (Cummins; Model KTV1150C; Serial 31102039; for Bohringer Crusher from Ft. Myers) (Onan; Model VT12-635; Serial 10351734; for Bohringer Crusher from Ft. Myers) (CAT; Model N/A; Serial HU1517; for Hazemag Crusher from Miami) (CAT; Model 3306; Serial 9NR04099; for Deister/Bohringer Screen from Ft. Myers) (Deutz; Model BF-4M-1012-0; Serial N/A; for Powerscreen from Miami) (Deutz; Model IFN; Serial F4-1912; for Powerscreen from Miami) (Cummins; Model B5.9P-135; Serial 45733144; for Screen Machine from Interlachen)
004	All other operations not subject to NSPS Subpart OOO Crusher (Cedarapids rated at 300 TPH; Model 4340; Serial 37823) Screening and Conveying Systems (Cedarapids)

Emission Unit Number at other FRI locations	Emission Unit Description
005	Crusher (Cedarapids rated at 350 TPH; Model 4340; Serial 37496) from Sunniland
006*	Crusher (Cedarapids rated at 400 TPH; Model 4340; Serial 38149) from Ft. Myers
007*	Crusher (Bohringer rated at 600 TPH; Model RC1450; Serial 124858) from Ft. Myers
008*	Crusher (Hazemeg rated at 700 TPH; Model N/A; Serial HU1517) from Miami
009*	Screening Systems (Deister rated at 800 TPH; Model RM1510-4200; Serial 45-3744) from Ft. Myers
010*	Screening Systems (Powerscreen rated at 225 TPH; Model Commander 510; Serial 5701297) from Miami
011*	Screening Systems (Screen Machine rated at 100 TPH; Model Maximum II; Serial D612-M-91966) from Interlachen

\*Subject to 40 CFR Part 60, Subpart OOO

**SIGNIFICANT DATES:**

Public Notice of Intent Published: May 1, 2000  
 Application Received: March 21, 2000

**PERMIT HISTORY:**

Permit No. 110072-001-AC; 002-AC; 003-AO issued January 29, 1996.  
 Permit No. 110072-004-AC; 005-AO issued September 26, 1996  
 Permit No. 110072-006-AC issued July 7, 1998  
 Permit No. 110072-007-AO issued November 24, 1998  
 Permit No. 110072-008-AO issued January 14, 1999  
 Permit No. 110072-009-AC withdrawn March 21, 2000  
 Department Order No. 00-0848 executed April 13, 2000

**This permit supersedes all construction permits issued previously.**

**PART II -- FACILITY-WIDE SPECIFIC CONDITIONS**

Conditions in this part generally apply to all emission units and activities covered under this permit.

**1.0 Administrative Requirements**

1.1 Regulating Agencies: All applications, tests, reports, notifications, or other submittals required by this permit shall be submitted to the Florida Department of Environmental Protection, Southeast District Office, Air Program at PO Box 15425, West Palm Beach, Florida, 33416 (street address 400 North Congress Avenue, West Palm Beach, Florida, 33401, phone 561-681-6600).

1.2 Citation Format: In this permit, references to F.A.C. Rule 62-xxx refer to rules promulgated under Title 62 of the Florida Administrative Code; references (if any) to 40 CFR 60.xx (or 61.xx or 63.xx) refer to regulations codified under Part 60 (or 61 or 63) of Title 40 of the Code of Federal Regulations.

1.3 Specific and General Conditions: The owner or operator shall be subject to the specific conditions of this permit and the owner or operator shall be aware of, and operate under, the attached General Conditions, attached as Appendix A of this permit. General Conditions are binding and enforceable pursuant to Chapter 403, F.S. [Rule 62-4.160 F.A.C.]

- 1.4 Applicable Regulations: This facility is subject to regulation of Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and 40 CFR Part 60-Subpart OOO-Standards of Performance for Nonmetallic Processing Plants. Issuance of this permit does not relieve the facility owner or operator from compliance with any other applicable federal, state or local permitting requirements or other regulations.
- 1.5 Other Permits: This air pollution permit does not preclude the owner or operator from obtaining any other types of required permits, licenses or certifications from this Department or other departments or agencies.
- 1.6 Operation Permit Required: This permit authorizes construction and/or installation of the permitted emission units and initial operation to determine compliance with Department rules. **An operation permit is required for regular operation of the permitted emission units.** The owner or operator shall **apply for and receive** an operation permit prior to expiration of this permit. An application for an operation permit shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Program. To apply for an operation permit, the applicant shall submit the appropriate application fee and, in quadruplicate, the appropriate application form, a certification that construction was completed with a notation of any deviations from the conditions in the construction permit, compliance test results, and such additional information as the Department may by law require.  
[Rules 62-4.030, 62-4.050, 62-4.220, and 62-210.300, F.A.C.]
- 1.7 Extension of This Permit: The expiration date of this construction permit may be extended upon request of the owner or operator and submission of the appropriate fee to the Department of Environmental Protection, Southeast District Office, Air Program **at least 60 days prior** to the expiration date of this permit.  
[Rules 62-4.030, 62-4.050, and 62-4.220 F.A.C., F.A.C.]

## 2.0 General Pollutant Emission Limiting Standards

- 2.1 Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants that cause or contribute to an objectionable odor.  
[Rule 62-296.320(2) F.A.C.]
- 2.2 General Visible Emission Standard: Unless otherwise specified by permit or rule, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emission of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity.  
[Rule 62-296.320(4)(b) F.A.C.]
- 2.3 Unconfined Emission of Particulate Matter:  
No person shall cause, let, permit, suffer or allow the emission of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emission.

Reasonable precautions include the following:

- Paving and maintenance of roads, parking areas and yards.
- Application of water or chemicals to control emission from such activities as demolition of buildings, grading roads, construction, and land clearing.
- Application of asphalt, water, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
- Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- Landscaping or planting of vegetation.
- Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.

- Confining abrasive blasting where possible.
  - Enclosure or covering of conveyor systems.
  - Substitution of powdery materials with granular or pelletized materials, where possible.
- [Rule 62-296.320(4)(c) F.A.C.]

### 3.0 Operation Requirements

3.1 Permitted Capacity: The processed raw material throughput is limited to 10,000,000 tons in any 12-month period.  
[Rule 62-210.200, F.A.C., Definitions-PTE; requested by applicant]

3.2 Circumvention: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.  
[Rule 62-210.650 F.A.C.]

3.3 Excess Emission:  
Excess emission resulting from startup, shutdown or malfunction of any emission unit shall be permitted providing best operational practices to minimize emission are adhered to, and the duration of excess emission shall be minimized but in no case exceeds two hours in any 24 hour period unless specifically authorized by the Department for longer duration.

Excess emission which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.  
[Rule 62-210.700, F.A.C.]

### 4.0 Compliance Testing Requirements

4.1 Test Notification: Unless otherwise specified in this permit, the Department of Environmental Protection, Southeast District Office, Air Program shall be notified in writing of expected compliance test dates at least fifteen (15) days prior to compliance testing. The notification shall include the following information: the date, time, and location of each test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner.  
[Rule 62-297.340(1) F.A.C.]

4.2 Testing at Capacity: Compliance testing shall be conducted with the emission units operating at the permitted capacity (90 to 100% of the maximum permitted operation rate of the emission units). If an emission unit is not tested at permitted capacity, the emission unit shall not be operated above 110% of the test load until a new test showing compliance is conducted. Operation of the emission unit above 110% of the test load is allowed for no more than 15 days for the purpose of conducting additional compliance testing to regain the authority to operate at the permitted capacity.  
[Rule 62-297.310(2), F.A.C.]

4.3 Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emission or questionable maintenance of control equipment) to believe that any applicable emission standard in Rules 62-204 through 62-297 or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emission unit to conduct compliance tests which identify the nature and quantity of pollutant emission from the emission unit and to provide a report on the results of said tests to the Department.  
[Rule 62-297.310(7)(b), F.A.C.]

4.4 Determination of Process Variables.

(a) **Required Equipment.** The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) **Accuracy of Equipment.** Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

[Rule 62-297.310(5), F.A.C.]

## 5.0 Reporting and Record Keeping Requirements

5.1 **Report Excess Emission:** In case of excess emission resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. (condition 5.2 below). A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

[Rule 62-210.700(6), F.A.C.]

5.2 **Report Plant Operation Problems:** If the owner or operator is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the owner or operator shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the owner or operator from any liability for failure to comply with Department rules.

[Rule 62-4.130, F.A.C.]

5.3 **Retain Records:** All records required by this permit shall be kept by the owner or operator and made available for Department inspection for a minimum of two (2) years from the date of such records.

[Rule 62-4.070(3), F.A.C.]

5.4 **Compliance Test Reports:** Compliance test reports shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Compliance Section, as soon as practical, but no later than 45 days after the last sampling run of each test is completed.

Test reports shall provide sufficient detail on the emission unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. Test reports, other than for an EPA or DEP Method 9 test, shall include the following information and other information as necessary to make a complete report required pursuant to Rule 297.310(8)(c), F.A.C.:

- The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
- The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
- The type of air pollution control devices installed on the emission unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
- All measured and calculated data required to be determined by each applicable test procedure for each run.
- The detailed calculations for one run that relate the collected data to the calculated emission rate.
- The applicable emission standard, and the resulting maximum allowable emission rate for the emission unit, plus the test result in the same form and unit of measure.

[Rules 62-297.310(8)(a),(b) & (c), F.A.C.]

- 5.5 Annual Report Required: On or before March 1 of each calendar year, a completed DEP Form 62-210.900(5), Annual Operating Report (AOR) Form for Air Pollutant Emitting Facility, shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Program. **Included with this report shall be any additional reports, if any, required by this permit in Part III -- Emission Unit Specific Conditions.**  
[Rule 62-4.070(3), F.A.C.]

**PART III -A-  
 EMISSION UNIT SPECIFIC CONDITIONS**

This part of this permit addresses the following emission units:

Emission Unit Numbers at Ft. Pierce Plant	Emission Unit Description
001	Crusher (Hewitt Robins rated at 200 TPH; Model I3654VM; Serial 20-G04944-01)
002	All other operations subject to NSPS Subpart OOO Screening and Conveying Systems (Powerscreen Model Commander 510; Serial 5700685) (MGL Model VFP; Serial FRK616) (Read Model RD9513; Serial 1212)

Emission Unit Numbers at other FRI locations	Emission Unit Description
006	Crusher (Cedarapids rated at 400 TPH; Model 4340; Serial 38149) from Ft. Myers
007	Crusher (Bohringer rated at 600 TPH; Model RC1450; Serial 124858) from Ft. Myers
008	Crusher (Hazemeg rated at 700 TPH; Model N/A; Serial HU1517) from Miami
009	Screening Systems (Deister rated at 800 TPH; Model RM1510-4200; Serial 45-3744) from Ft. Myers
010	Screening Systems (Powerscreen rated at 225 TPH; Model Commander 510; Serial 5701297) from Miami
011	Screening Systems (Screen Machine rated at 100 TPH; Model Maximum II; Serial D612-M-91966) from Interlachen

These Units are subject to 40 CFR Part 60, NSPS Subpart OOO: Standards of Performance for Non-Metallic Mineral Processing Plants. Emission units 001 and 002 are located at the Fort Pierce Plant. However, emission units 006 – 011 are located at other Florida Rock plants, which may be brought to the Fort Pierce plant.

**A.1 Emission Limiting Standards and Operation Restrictions**

A.1.1 Permitted Capacity: See Facility-Wide Specific Condition 3.1 in Part II

A.1.2 Visible Emission Standards:

EMISSION UNIT	UNIT DESCRIPTION	OPACITY STANDARD	RULE REFERENCE
001, 006, 007, 008	Crusher	Not greater than 15%	40 CFR 60.672 (c)
002, 009, 010, 011	Belt Conveyor	Not greater than 10%	40 CFR 60.672(b)
	Truck Dumping	Exempt	40 CFR 60.672(d)
	Wet screening operations, subsequent screening operations, bucket elevators, and belt conveyors that <u>process saturated material</u> <sup>1</sup>	No visible emission (zero percent)	40 CFR 60.672(h)

**Note:** *These operations (screening, conveyors, and bucket elevators) process saturated material in the production line up to the next crusher, grinding mill or storage bin, or these operations in the production line downstream of wet mining operations and process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.*  
[40 CFR 60.672(h)(1) &(2)]

A.1.3 The opacity standards above shall apply at all times except during periods of startup, shutdown and malfunction. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emission. The duration of excess emission shall be minimized and shall not exceed two hours in any 24-hour period. Excess emission which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.  
[Rules 62-210.700 and 40 CFR 60.11(c) & (d), F.A.C.]

A.1.4 Unrestricted Hours of Operation: The referenced emission unit(s) may operate continuously (8760 hours per year).  
[Rule 62-210.200 (PTE), F.A.C.]

A.1.5 Equipment from other loactions: Emission units 006 – 011 shall be in compliance with specific condition A.1.2 prior to being moved to the Fort Pierce plant.  
[Rule 62-4.070(3), F.A.C.]

## A.2 Compliance Monitoring and Testing Requirements

### A.2.1 Visible Emission Test Required:

In determining compliance with the fugitive particulate matter emission limiting standards above, the owner or operator shall use EPA Method 9 and the procedures in 40 CFR 60.11, with the following additions:

- a. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
- b. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (EPA Method 9, Section 2.1) must be followed.
- c. For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emission and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emission is to be made at a point in the plume where the mist is no longer visible.  
[40 CFR 60.675(c)(1)]

### A.2.2 Performance Test:

The initial visible emission compliance test shall be completed within 180 days of the issuance date of this permit.  
[40 CFR 60.8(a)]

A.2.3 The permittee shall use as reference methods and procedures the EPA test methods in 40 CFR 60 Appendix A unless the Department

- (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology,
- (2) approves the use of an equivalent method,
- (3) approves the use of an alternative method the results of which the Department has determined to be adequate for indicating whether a specific source is in compliance,



- (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Department's satisfaction that the affected facility is in compliance with the standard, or
- (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.  
[40 CFR 60.8(b)]

A.2.4 Opacity Test Requirements:

- A) For the purpose of determining Initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test.  
[40 CFR 60.675(c)(2), and 40 CFR 60.11(b)]
- B) When determining compliance for affected facilities under 60.672(b) [Belt Conveyers] the duration of EPA Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:
  - i) There are no individual readings greater than 10 percent opacity; and
  - ii) There are no more than 3 readings of 10 percent for the 1-hour period.  
[40 CFR 60.675((c)(3)]
- C) When determining compliance for affected facilities under 60.672(c) [Crusher] the duration of Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:
  - i) There are no individual readings greater than 15 percent opacity; and
  - ii) There are no more than 3 readings of 15 percent for the 1-hour period.  
[40 CFR 60.675(c)(4)]
- D) For the method and procedure above, if emission from two or more facilities continuously interfere so that the opacity of fugitive emission from an individual affected facility cannot be read, either of the following procedures may be used:
  - i). Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emission stream.
  - ii). Separate the emission so that the opacity of emission from each affected facility can be read.  
[40 CFR 60.675((e)]
- E) EPA Method 9 performance tests are not required for:
  - i) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.
  - ii) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, that process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

A.2.5 Test Notification:

The permittee shall provide the Department at least 30 days prior notice of any performance test.  
[40 CFR 60.675, and 40 CFR 60.8(d)]

If, after 30 days notice for an initially scheduled performance test, there is a delay in conducting any scheduled performance test, the permittee shall submit a notice to the Department at least 7 days prior to any scheduled performance test.  
[40 CFR 60.675(g)]

A.2.6 For transfer points on conveyor belts enclosed by tunnels, emission from these transfer points shall be evaluated by performing opacity determinations — using EPA Method 9, — at each end of such tunnel. Compliance with the opacity limitation at each end of such tunnel shall indicate the transfer points within each tunnel comply with the opacity limitation. Such opacity observations shall be conducted while the facility is running with the most drop points simultaneously in operation as practicable. Such opacity observations shall be performed in accordance with the frequency, duration, and other requirements specified in this permit.

**A.3 Reporting and Record Keeping Requirements**

**A.3.1 Test Reports:**

The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the emission limiting standards above, including reports of opacity observations made using Method 9.

[40 CFR 60.676(f)]

Copies of all reports, tests, notifications or other submittals required by this permit shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Program. All records required by this permit shall be kept by the permittee for a minimum of two years from the date of such records.

[Rule 62-4.070(3).F.A.C.]

**A.3.2 Change of processing material (Saturated Vs Unsaturated)**

Any screening operation, bucket elevator, or belt conveyor that process saturated material and is subject to 40 CFR 672(h) and subsequently processes unsaturated material, shall submit a report of this change to the Department within 30 days following change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in 40 CFR 672(b) and the emission test requirement of 40 CFR 60.11 and NSPS Subpart OOO. Likewise a screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change to the Department within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible limit in 40 CFR 60.672(h).

[40 CFR 676(g)]

**A.3.3 AOR Supplemental Information:** Annual-operating reports for the emission units covered under this section shall include following supplemental information that was recorded in the previous calendar year:

- The amount of material processed on a monthly basis
- A consecutive 12-month total of the amount of material processed, calculated from the monthly totals for the previous twelve calendar months

[Rule 62-4.070(3), F.A.C.]

**A.4 Reporting for Replacement of Facilities**

A.4.1 When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing facility, the new facility is exempt from provisions of 40 CFR 60.672 (standards for particulate matter), 40 CFR 60.674 (Monitoring of operations), and 40 CFR 60.675 (Test methods and procedures). Reconstruction costs shall be calculated per 40 CFR 60.673.

[40 CFR 60.670(d)(1)]

A.4.2 Replacing all existing facilities in a production line with new facilities does not qualify for the exemption described as above.

[40 CFR 60.670.670(d)(3)]

- A.4.3 When seeking exemption as mentioned in condition 4.1, the permittee shall submit the following information required by 40 CFR 60.676(a) to the Department of Environmental Protection, Southeast District Office, Air Program.

*The required information shall be submitted for both existing facility replaced, and the replacement equipment.*

When Replacing...	Required Information	Rule Reference
a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station	Rated capacity in tons per hour; Model and Serial Numbers	40 CFR 60.676(a)(1)
a screening operation	The total surface area of the top screen; Model and Serial Numbers	40 CFR 60.676(a)(2)
a conveyer belt	The width of the belt	40 CFR 60.676(a)(3)
a storage bin	The rated capacity in tons	40 CFR 60.676(a)(4)

[40 CFR 60.676(a)]

- A.4.4 The permittee shall not replace any facility covered under this permit with a piece of equipment of larger size or different function without applying for, and receiving, a modification of this permit to allow such replacement, unless this requirement is specifically waived in writing by the Department of Environmental Protection, Southeast District Office, Air Program.  
[40 CFR 60.670]

**PART III B  
 EMISSION UNIT SPECIFIC CONDITIONS**

This part of this permit addresses the following emission units:

Emission Unit Number	Emission Unit Description
003	Diesel Powered Units (Deutz; Model F3; Serial F3L912F; for Hewitt Robins Crusher) (CAT; Model 3408; Serial 67U07679; for Hewitt Robins Crusher) (Detroit; Model 12V71; Serial 12V115801510; for Cedarapids Crusher) (CAT; Model 3408; Serial 67U09934; for Cedarapids Crusher) (Deutz; Model BF4M-1012-0; Serial 00075072; for Powerscreen) (Cummins; Model B5.9P-174; Serial 45844436; for MGL Screen Machine) (Deutz; Model TXT3; Serial 4300229TXT3A052; for Reed Screen) (John Deere; Model TF150; Serial T0608T793893; Pump: settling pit to canal) (Duetz; Model F4; Serial F4L1011F; Pump: settling pit to water trucks) (John Deere; Model TF150; Serial T0608T736391; Pump: working pit to settling pit) (Perkins; Model N/A; Serial 57872400; Pump: Water supply to Powerscreen) (CAT; Model 3304PC; Serial 6N7984; for Cedarapids Crusher from Sunniland) (Detroit; Model 12V71; Serial 12VAB700703; for Cedarapids Crusher from Sunniland) (Detroit; Model 12V71; Serial 713-7330; for Cedarapids Crusher from Ft. Myers) (Detroit; Model 8V71; Serial 7083-7000; for Cedarapids Crusher from Ft. Myers) (Cummins; Model KTV1150C; Serial 31102039; for Bohringer Crusher from Ft. Myers) (Onan; Model VT12-635; Serial 10351734; for Bohringer Crusher from Ft. Myers) (CAT; Model N/A; Serial HU1517; for Hazemag Crusher from Miami) (CAT; Model 3306; Serial 9NR04099; for Deister/Bohringer Screen from Ft. Myers) (Deutz; Model BF-4M-1012-0; Serial N/A; for Powerscreen from Miami) (Deutz; Model IFN; Serial F4-1912; for Powerscreen from Miami) (Cummins; Model B5.9P-135; Serial 45733144; for Screen Machine from Interlachen)
004	All other operations not subject to NSPS Subpart OOO Crusher (Cedarapids rated at 300 TPH; Model 4340; Serial 37823)
005	Crusher (Cedarapids rated at 350 TPH; Model 37496; Serial 12VA-870073)

Emission units 003 and 004 are located at the Fort Pierce plant. However, emission unit 005 is located at another Florida Rock facility, which may be brought to the Fort Pierce plant. Emission unit 005 is not subject to 40 CFR Part 60 Subpart OOO.

**B.1 Emission Limiting Standards and Operation Restrictions**

- B.1.1 Visible Emission: Fugitive particulate matter emission shall not be equal to or greater than 20 percent opacity from any non-NSPS facility.  
 [Rule 62-296.320(4)(b), F.A.C.]
- B.1.2 Unrestricted Hours of Operation: The referenced emission units may operate continuously (8760 hours per year).
- B.1.3 Allowable Fuels: Fuel burned shall be limited to new number 2 fuel oil with a maximum sulfur content of 0.5% by weight.

[Rule 62-4.070(3), F.A.C.]

- B.1.4 **Fuel Consumption Limits:** Diesel fuel consumption by all diesel units shall not exceed 250,000 gallons in any consecutive 12-month period.  
 [Rule 62-4.070(1), F.A.C. and requested by applicant]

**B.2 Compliance Monitoring and Testing Requirements**

- B.2.1 **Visible Emission Test Required:**

Emission Unit	Compliance Method	Duration	Rule Reference
003	EPA Method 9	30 Minutes	Rule 62-297.401(9)(a), F.A.C.
004	EPA Method 9	30 Minutes	
005	EPA Method 9	30 Minutes	

- B.2.2 **Allowable Fuels:** The owner or operator shall record and maintain records of the types of fuel burned. The owner or operator shall maintain records to demonstrate that each shipment of diesel fuel has 0.5 percent or less (by weight) of sulfur and that the sulfur content was determined by ASTM methods ASTM D4057-88 and ASTM D129-91, ASTM D2622-94 or ASTM D4294-90, adopted and incorporated by reference in Rule 62-297.440(1). Certifications from the fuel supplier in accordance with the above requirement shall be satisfactory records.  
 [Rule 62-4.070(3), F.A.C.]

- B.2.3 **Test Frequency:**

Visible emission compliance tests shall be completed before issuance of the operation permit. See facility wide condition 1.6 in PART II of this permit.  
 [Rules 62-4.030, 62-4.050, 62-4.220, and 62-210.300, F.A.C.]

**B.3 Reporting and Record Keeping Requirements**

- B.3.1 **AOR Supplemental Information:** Annual-operating reports for the emission units covered under this section shall include following supplemental information that was recorded in the previous calendar year:

- a. The fuel consumption rate on a monthly basis, used by all diesel units
  - b. The highest 12-month total fuel consumption, calculated from the monthly totals for the previous twelve calendar months
  - c. The highest percent sulfur content (by weight) of diesel fuel received
- [Rule 62-4.070(3), F.A.C.]

- B.3.2 **Fuel Consumption Limits:** The owner or operator shall record and maintain records of the fuel consumption on a monthly basis.

The permittee shall record and maintain the total consumption of diesel fuel by the diesel engines on a **monthly** basis. From the monthly records the permittee shall record and maintain a rolling 12-month total record of the amount of fuel consumed to demonstrate compliance with the fuel limitation in specific condition number Part III B, 1.5.

[Rule 62-4.070(3), F.A.C.]

- B.3.3 The permittee shall submit written reports of the results of all compliance tests conducted to demonstrate compliance with the emission limiting standards above, including reports of opacity observations made using Method 9. All records required by this permit shall be kept by the permittee for a minimum of two years from the date of such records.

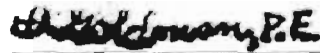
[Rules 62-4.070(1) and 62-297.310(8), F.A.C.]

**B.4 Reporting for Replacement of Facilities**

- B.4.1 When an existing facility (one that is not subject to the NSPS requirements) is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing facility, the new facility is exempt from the NSPS requirements, but is not exempt from any other requirements of Department rules or this permit. If the permittee replaces all existing facilities in a production line with new facilities, the new facilities become subject to and must comply with the NSPS requirements. The permittee shall submit the information required by 40 CFR 60.676(a) and (b) to the Department of Environmental Protection, Southeast District Office, Air Program, and the US Environmental Protection Agency, prior to replacing any existing facility. Reconstruction costs shall be calculated per 40 CFR 60.673.  
[40 CFR 60.670(d) and 60.676(a) & (b)]

Executed in West Palm Beach, Florida.

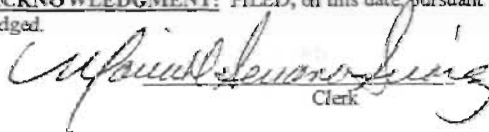
STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

 JUN 05 2000  
Isidore Goldman, P.E. Date  
District Air Program Administrator  
Southeast District

IG/la

cc: R. Bruce Mitchell, Bureau of Air Regulation, DEP  
Doug Neeley, Chief, Air Programs Branch, U.S. EPA, Region IV (Attn.: Gracy Danois)  
Tom Tittle, SED

FILING AND ACKNOWLEDGMENT: FILED, on this date, pursuant to § 120.52(7), F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

  
Clerk

06-06-00  
Date

APPENDIX --A

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.). The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - (a) Have access to and copy any records that must be kept under the conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the Department with the following information:
  - (a) A description of and cause of noncompliance; and

# State of Florida

## Department of Environmental Protection

### Memorandum

TO: Bruce Mitchell *BM*

THRU:

FROM: William Leffler, PE *WLP*

DATE: Tuesday, May 09, 2000

DAY 90

SUBJECT Florida Rock industries 1119<sup>00</sup>72-014-AC

This permit disturbs me. While it designates much of the equipment that was the subject of the February relocatable applications, there is no attempt to quantify emissions from the various units in any manner that can be used to determine whether the facility is approaching the 100 ton per year title V threshold

The permit is specific about visual emission limits which are the primary control under 40 CFR 60, subpart 000, but these visual limitations are still only surrogate measures of particulate control.

The permit application lacks a technical evaluation which tabulates the hourly or daily particulate emissions factors from each unit which might be set up in a spread sheet to be multiplied by some measurable factor, whether running hours or fuel consumption to provide a measurable threshold at which we can say you are either safe from title V or clearly subject to title V. For the same reason the inclusion of many diesel engines and pumps into single emission units suffers from the same lack of regulatory logic. The engines associated with particular mine machinery might well be carried with the machinery as a single emission unit so that the engine can be metered for fuel or running hours, but it is meaningless to lump all the engines together whether all or only part of them may be running at any time.

I presume that this permit is Lennon Anderson's attempt to integrate Florida Rock's desire to provide for temporary use of transportable machinery. While it provides a grocery list of the auxiliary equipment, it fails to designate it as transportable. Nor does it provide a method of segregating the emission contribution from each designated emission unit.

The permit also fails to include the serial numbers or unit specific identification of the major components of the primary crushers and classifiers which are subject to 40CFR 60, subpart 000.



APPENDIX --A

GENERAL CONDITIONS CONTINUED:

- (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department, may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code (F.A.C.), as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. The permittee shall comply with the following :
- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically, unless otherwise stipulated by the Department.
- (b) The permittee shall hold at the facility or other location designated by this permit, records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.
- (c) Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.
14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be submitted or corrected promptly.

DEP ROUTING AND TRANSMITTAL SLIP

TO: (NAME, OFFICE, LOCATION)

3. \_\_\_\_\_

1. R. Bruce Mitchell

2. DEP

5. \_\_\_\_\_

PLEASE PREPARE REPLY FOR:

\_\_\_\_ SECRETARY'S SIGNATURE

\_\_\_\_ DIV/DIST DIR SIGNATURE

\_\_\_\_ MY SIGNATURE

\_\_\_\_ YOUR SIGNATURE

\_\_\_\_ DUE DATE \_\_\_\_\_

ACTION/DISPOSITION

\_\_\_\_ DISCUSS WITH ME

\_\_\_\_ COMMENTS/ADVISE

\_\_\_\_ REVIEW AND RETURN

\_\_\_\_ SET UP MEETING

\_\_\_\_ FOR YOUR INFORMATION

\_\_\_\_ HANDLE APPROPRIATELY

\_\_\_\_ INITIAL AND FORWARD

\_\_\_\_ SHARE WITH STAFF

FOR YOUR FILES

COMMENTS:

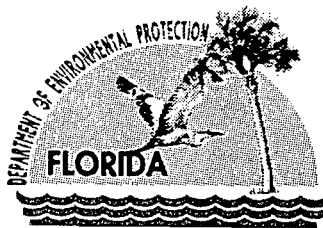
Bureau of Air  
Regulation  
Tallahassee  
Mail Station  
# 5505

FROM: SED/Air Region

DATE: 6/6/00

PHONE: 226-  
6059

Maria



Jeb Bush  
Governor

# Department of Environmental Protection

RECEIVED

MAY 01 2000

BUREAU OF AIR REGULATION

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

David B. Struhs  
Secretary

April 28, 2000

CERTIFIED MAIL  
P 109 463 176

In the Matter of an Application for Permit by:

Mr. Michael O'Berry  
Environmental Permitting Manager  
Florida Rock Industries (FRI), Inc.  
P.O. Box 4667  
Jacksonville, FL 32201

DEP File No. 1110072-014-AC  
St. Lucie County  
Project: Installation of MGL Screening Unit;  
Reinstatement of Cedar Rapids Crusher, Federal  
Enforceability and Allowance of Crushers and  
Screening Units from other FRI locations,

## INTENT TO ISSUE

Dear Mr. O'Berry:

The Department of Environmental Protection gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below. A copy of the draft permit is attached.

The applicant, Florida Rock Industries, Inc., applied on March 21, 2000, to the Department of Environmental Protection for a permit to construct an air pollution source consisting of crushing, screening and conveying systems. This facility is located at 14171 Rangeline Road, Port St. Lucie, Florida. The purpose of this application was to obtain a construction permit for:

- (1) installation of new MGL screening unit, previously submitted under DEP File No. 1110072-009-AC
- (2) reinstatement of a Cedar Rapids portable crushing unit
- (3) establishment of non-Title V facility status based on federally enforceable conditions
- (4) authorization of portable crushing and screening units from other FRI facilities

Specifically, the applicant requested that emissions of air pollutants from this project be limited to less than the Title V applicability criteria through enforceable permit limitations.

The Department has permitting jurisdiction under Section 403.087, Florida Statutes (F.S.), to issue or deny permits for air pollution sources. The project is not exempt from permitting procedures. The Department has determined that an air pollution construction permit is required for the proposed work.

The Department intends to issue this air construction permit based on Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and the belief reasonable assurances have been provided to indicate the proposed project will not adversely impact air quality, and that the specific conditions in the draft permit limit the potential emissions of air pollutants to the amounts described above.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1, F.A.C., you (the applicant) are required to publish at your own expense the enclosed "Public Notice of Intent to Issue Air Construction Permit". The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C. requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Air Permitting Section of the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Air Permitting Section of the Department of Environmental Protection, in person at 400 North Congress Avenue, West Palm Beach, Florida 33401, or by mail to the Department of Environmental Protection, Southeast District, P.O. Box 15425, West Palm Beach, Florida 33416 (Telephone 561-681-6600; Fax 561-681-6790). You must provide proof of publication

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Printed on recycled paper.

within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in section 50.051, F.S. to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C..

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change or terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "Public Notice of Intent to Issue Air Construction Permit." Written comments should be provided to the Air Permitting Section of the Department's Southeast District Office, 400 North Congress Avenue, West Palm Beach, Florida 33401. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida's Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (f) A demand for relief.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;


- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

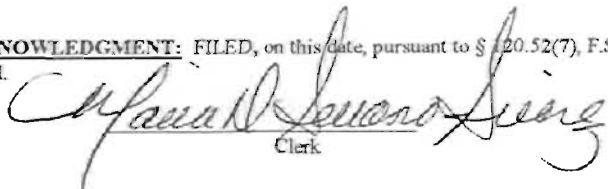
  
Isidore G. Gorman, P.E.      APR 8 8 2000      Date  
District Air Program Administrator  
Southeast District

IG/la

attachment

cc: R. Bruce Mitchell, Bureau of Air Regulation, DEP  
Tom Tittle, Air Program

**FILING AND ACKNOWLEDGMENT:** FILED, on this date, pursuant to § 120.52(7), F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

  
Clerk      04/28/00      Date

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

The Department of Environmental Protection gives notice of its intent to issue a permit to Florida Rock Industries, Inc., P.O. Box 4667, Jacksonville, Fl., 32201, to construct an air pollution source consisting of crushing, screening and conveying systems. This facility is located at 14171 Rangeline Road, Port St. Lucie, Florida. The Department's file number in this matter is 1110072-014-AC. The Department intends to issue this permit based on Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and the belief that reasonable assurances have been provided to indicate the proposed project will not adversely impact air quality.

Specifically, the applicant requested that emission of air pollutants from this project be limited to less than the Title V applicability criteria through enforceable permit limitations. The facility shall not exceed a raw material throughput limitation of 10,000,000 tons and 250,000 gallons of new number 2 fuel oil in any consecutive 12-month period.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "Public Notice of Intent to Issue Air Construction Permit." Written comments should be provided to the Air Permitting Section of the Department's Southeast District Office, 400 North Congress Avenue, West Palm Beach, Florida 33401. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida's Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (f) A demand for relief.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

NOTICE OF AIR POLLUTION PERMIT

CERTIFIED MAIL

**ISSUED TO:**

Florida Rock Industries (FRI), Inc.  
P.O. Box 4667  
Jacksonville, FL 32201

Permit Number: 1110072-014-AC  
Issue Date:  
Expiration Date:

Authorized Representative:

Thompson S. Baker, II  
President Aggregates Group

**PROJECT:**

Project: Installation of MGL Screening Unit; Reinstatement of Cedar Rapids Crusher, Federal Enforceability and Allowance of Crushers and Screening Units from other FRI locations.  
Facility Description: Crushed and Broken Limestone (SIC # 1422)  
Location: St. Lucie County, Florida  
Lat./Long.: 25°52'44" N / 80°23'37" W  
UTM: Zone 17; 547.2 Km. E; 3014.0 Km. N

**DRAFT**

Dear Baker:

This is Permit Number 1110072-014-AC to construct an air pollution source issued pursuant to Chapter 403.087, Florida Statutes (F.S.). This is a new construction permit to authorize construction of the emission units described in this permit.

**NOTICE OF RIGHTS:**

Any party to this Order has the right to seek judicial review of the permit under Section 120.68 of the Florida Statutes, by filing a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Order is filed with the Clerk of the Department.

**STATEMENT OF BASIS:**

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and in conformance with all existing regulations of the Florida Department of Environmental Protection. The above named owner or operator is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department, in accordance with the terms and conditions of this permit.

**PART I -- SUMMARY INFORMATION**

**PERMIT CONTENTS:**

- Part I -- Summary Information
- Part II -- Facility-Wide Specific Conditions
- Part III -- Emission Unit(s) Specific Conditions
- Appendix A -- General Conditions

**CONSTRUCT:** This permit addresses the following air pollution emission units:

Emission Unit Number	Emission Unit Description
001	Crusher (Hewitt Robins rated at 350 TPH; Model 3654; Serial #) subject to NSPS Subpart OOO
002	All other operations subject to NSPS Subpart OOO Screening and Conveying Systems (Powerscreen Model #; Serial #) (MGL Screen Machine Model #; Serial #)
003	Diesel Powered Units (Deutz Model #; Serial # for Hewitt Robins Crusher) (CAT Model 3408; Serial # ) (Detroit Model 1271; Serial # for the Cedar Rapids Crusher) (CAT Model 3408; Serial # ) (Detroit Model 671; Serial # Pump #1: From settling pit to canal) (Detroit Model 671; Serial # Pump #3: From settling pit to water trucks) (Detroit Model 671; Serial # Pump #4: From working pit to settling pit)
004	All other operations not subject to NSPS Subpart OOO Crusher (Cedar Rapids rated at 550 TPH; Model 4340; Serial #) Screening and Conveying Systems (Cedar Rapids)
005	Crusher (Cedarapids rated at 350 TPH; Model 37496; Serial 12VA-870073)
006	Crusher (Cedarapids rated at 400 TPH; Model 4340; Serial 38149)
007	Crusher (Bohringer rated at 600 TPH; Model RC1450; Serial 124858)
008	Crusher (Hazemeg rated at 700 TPH; Model N/A; Serial HU1517)
009	Screening Systems (Deister rated at 800 TPH; Model RM1510-4200; Serial 45-3744)
010	Screening Systems (Powerscreen rated at 225 TPH; Model Commander 510; Serial 5701297)
011	Screening Systems (Screen Machine rated at 100 TPH; Model Maximum II; Serial D612-M-91966)

**SIGNIFICANT DATES:**

Public Notice of Intent Published: ^  
 Application Received: March 21, 2000

**PERMIT HISTORY:**

- Permit No. 110072-001-AC; 002-AC; 003-AO issued January 29, 1996
- Permit No. 110072-004-AC; 005-AO issued September 26, 1996
- Permit No. 110072-006-AC issued July 7, 1998
- Permit No. 110072-007-AO issued November 24, 1998
- Permit No. 110072-008-AO issued January 14, 1999
- Permit No. 110072-009-AC withdrawn March 21, 2000
- Department Order No. 00-0848 executed April 13, 2000

**This permit supersedes all construction permits issued previously.**

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## PART II -- FACILITY-WIDE SPECIFIC CONDITIONS

Conditions in this part generally apply to all emission units and activities covered under this permit.

### 1.0 Administrative Requirements

- 1.1 Regulating Agencies: All applications, tests, reports, notifications, or other submittals required by this permit shall be submitted to the Florida Department of Environmental Protection, Southeast District Office, Air Program at PO Box 15425, West Palm Beach, Florida, 33416 (street address 400 North Congress Avenue, West Palm Beach, Florida, 33401, phone 561-681-6600).
- 1.2 Citation Format: In this permit, references to F.A.C. Rule 62-xxx refer to rules promulgated under Title 62 of the Florida Administrative Code; references (if any) to 40 CFR 60.xx (or 61.xx or 63.xx) refer to regulations codified under Part 60 (or 61 or 63) of Title 40 of the Code of Federal Regulations.
- 1.3 Specific and General Conditions: The owner or operator shall be subject to the specific conditions of this permit and the owner or operator shall be aware of, and operate under, the attached General Conditions, attached as Appendix A of this permit. General Conditions are binding and enforceable pursuant to Chapter 403, F.S. [Rule 62-4.160 F.A.C.]
- 1.4 Applicable Regulations: This facility is subject to regulation of Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and 40 CFR Part 60-Subpart OOO-Standards of Performance for Nonmetallic Processing Plants. Issuance of this permit does not relieve the facility owner or operator from compliance with any other applicable federal, state or local permitting requirements or other regulations.
- 1.5 Other Permits: This air pollution permit does not preclude the owner or operator from obtaining any other types of required permits, licenses or certifications from this Department or other departments or agencies.
- 1.6 Operation Permit Required: This permit authorizes construction and/or installation of the permitted emission units and initial operation to determine compliance with Department rules. **An operation permit is required for regular operation of the permitted emission units.** The owner or operator shall **apply for and receive an operation permit** prior to expiration of this permit. An application for an operation permit shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Program. To apply for an operation permit, the applicant shall submit the appropriate application fee and, in quadruplicate, the appropriate application form, a certification that construction was completed with a notation of any deviations from the conditions in the construction permit, compliance test results, and such additional information as the Department may by law require. [Rules 62-4.030, 62-4.050, 62-4.220, and 62-210.300, F.A.C.]
- 1.7 Extension of This Permit: The expiration date of this construction permit may be extended upon request of the owner or operator and submission of the appropriate fee to the Department of Environmental Protection, Southeast District Office, Air Program **at least 60 days prior to the expiration date of this permit.** [Rules 62-4.030, 62-4.050, and 62-4.220 F.A.C., F.A.C.]

### 2.0 General Pollutant Emission Limiting Standards

- 2.1 Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rule 62-296.320(2) F.A.C.]

- 2.2 General Visible Emission Standard: Unless otherwise specified by permit or rule, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emission of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity.  
[Rule 62-296.320(4)(b) F.A.C.]

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- 2.3 Unconfined Emission of Particulate Matter: No person shall cause, let, permit, suffer or allow the emission of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emission.

Reasonable precautions include the following:

- Paving and maintenance of roads, parking areas and yards.
- Application of water or chemicals to control emission from such activities as demolition of buildings, grading roads, construction, and land clearing.
- Application of asphalt, water, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
- Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- Landscaping or planting of vegetation.
- Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- Confining abrasive blasting where possible.
- Enclosure or covering of conveyor systems.
- Substitution of powdery materials with granular or pelletized materials, where possible.

[Rule 62-296.320(4)(c) F.A.C.]

### 3.0 **Operation Requirements**

- 3.1 Circumvention: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.  
[Rule 62-210.650 F.A.C.]

- 3.2 Excess Emission: Excess emission resulting from startup, shutdown or malfunction of any emission unit shall be permitted providing best operational practices to minimize emission are adhered to, and the duration of excess emission shall be minimized but in no case exceeds two hours in any 24 hour period unless specifically authorized by the Department for longer duration.

Excess emission which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.  
[Rule 62-210.700, F.A.C.]

### 4.0 **Compliance Testing Requirements**

- 4.1 Test Notification: Unless otherwise specified in this permit, the Department of Environmental Protection, Southeast District Office, Air Program shall be notified in writing of expected compliance test dates at least fifteen (15) days prior to compliance testing. The notification shall include the following information: the date, time, and location of each test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner.  
[Rule 62-297.340(1) F.A.C.]

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- 4.2 **Testing at Capacity:** Compliance testing shall be conducted with the emission units operating at the permitted capacity (90 to 100% of the maximum permitted operation rate of the emission units). If an emission unit is not tested at permitted capacity, the emission unit shall not be operated above 110% of the test load until a new test showing compliance is conducted. Operation of the emission unit above 110% of the test load is allowed for no more than 15 days for the purpose of conducting additional compliance testing to regain the authority to operate at the permitted capacity.  
[Rule 62-297.310(2), F.A.C.]
- 4.3 **Special Compliance Tests:** When the Department, after investigation, has good reason (such as complaints, increased visible emission or questionable maintenance of control equipment) to believe that any applicable emission standard in Rules 62-204 through 62-297 or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emission unit to conduct compliance tests which identify the nature and quantity of pollutant emission from the emission unit and to provide a report on the results of said tests to the Department.  
[Rule 62-297.310(7)(b), F.A.C.]
- 4.4 **Determination of Process Variables.**  
(a) **Required Equipment.** The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.  
(b) **Accuracy of Equipment.** Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.  
[Rule 62-297.310(5), F.A.C.]
- 5.0 **Reporting and Record Keeping Requirements**
- 5.1 **Report Excess Emission:** In case of excess emission resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. (condition 5.2 below). A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.  
[Rule 62-210.700(6), F.A.C.]
- 5.2 **Report Plant Operation Problems:** If the owner or operator is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the owner or operator shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the owner or operator from any liability for failure to comply with Department rules.  
[Rule 62-4.130, F.A.C.]
- 5.3 **Retain Records:** All records required by this permit shall be kept by the owner or operator and made available for Department inspection for a minimum of two (2) years from the date of such records.  
[Rule 62-4.070(3), F.A.C.]
- 5.4 **Compliance Test Reports:** Compliance test reports shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Compliance Section, as soon as practical, but no later than 45 days after the last sampling run of each test is completed.

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Test reports shall provide sufficient detail on the emission unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. Test reports, other than for an EPA or DEP Method 9 test, shall include the following information and other information as necessary to make a complete report required pursuant to Rule 297.310(8)(c), F.A.C.:

- The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
- The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
- The type of air pollution control devices installed on the emission unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
- All measured and calculated data required to be determined by each applicable test procedure for each run.
- The detailed calculations for one run that relate the collected data to the calculated emission rate.
- The applicable emission standard, and the resulting maximum allowable emission rate for the emission unit, plus the test result in the same form and unit of measure.

[Rules 62-297.310(8)(a),(b) & (c), F.A.C.]

- 5.5 Annual Report Required: On or before March 1 of each calendar year, a completed DEP Form 62-210.900(5), Annual Operating Report (AOR) Form for Air Pollutant Emitting Facility, shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Program. **Included with this report shall be any additional reports, if any, required by this permit in Part III – Emission Unit Specific Conditions.**  
[Rule 62-4.070(3), F.A.C.]

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**PART III -A-  
EMISSION UNIT SPECIFIC CONDITIONS**

**DRAFT**

This part of this permit addresses the following emission units:

Emission Unit Number	Emission Unit Description
001	Crusher (Hewitt Robins rated at 200 TPH; Model I3654VM; Serial 20-G04944-01)
002	All other operations subject to NSPS Subpart OOO Screening and Conveying Systems (Powerscreen Model Commander 510; Serial 5700685) (MGL Model VFP; Serial FRK616) (Read Model RD9513; Serial 1212)
006	Crusher (Cedarapids rated at 400 TPH; Model 4340; Serial 38149)
007	Crusher (Bohringer rated at 600 TPH; Model RC1450; Serial 124858)
008	Crusher (Hazemeg rated at 700 TPH; Model N/A; Serial HU1517)
009	Screening Systems (Deister rated at 800 TPH; Model RM1510-4200; Serial 45-3744)
010	Screening Systems (Powerscreen rated at 225 TPH; Model Commander 510; Serial 5701297)
011	Screening Systems (Screen Machine rated at 100 TPH; Model Maximum II; Serial D612-M-91966)

These Units are subject to 40 CFR Part 60, NSPS Subpart OOO: Standards of Performance for Non-Metallic Mineral Processing Plants. Emission units 001 and 002 are located at the Fort Pierce Plant. However, emission units 006 – 011 are located at other Florida Rock plants, which may be brought to the Fort Pierce plant.

**A.1 Emission Limiting Standards and Operation Restrictions**

A.1.1 Permitted Capacity: The processed raw material throughput is limit to 10,000,000 TPY (facility-wide).  
[Rule 62-210.200, F.A.C., Definitions-PTE; requested by applicant]

**A.1.2 Visible Emission Standards:**

EMISSION UNIT	UNIT DESCRIPTION	OPACITY STANDARD	RULE REFERENCE
001, 006, 007, 008	Crusher	Not greater than 15%	40 CFR 60.672 (c)
002, 009, 010, 011	Belt Conveyor	Not greater than 10%	40 CFR 60.672(b)
	Truck Dumping	Exempt	40 CFR 60.672(d)
	Wet screening operations, subsequent screening operations, bucket elevators, and belt conveyors that process saturated material <sup>1</sup>	No visible emission (zero percent)	40 CFR 60.672(h)

**Note:** *These operations (screening, conveyors, and bucket elevators) process saturated material in the production line up to the next crusher, grinding mill or storage bin, or these operations in the production line downstream of wet mining operations and process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.*  
[40 CFR 60.672(h)(1) &(2)]

A.1.3 The opacity standards above shall apply at all times except during periods of startup, shutdown and malfunction. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable,

maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emission. The duration of excess emission shall be minimized and shall not exceed two hours in any 24 hour period. Excess emission which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.  
[Rules 62-210.700 and 40 CFR 60.11(c) & (d), F.A.C.]

A.1.4 Unrestricted Hours of Operation: The referenced emission unit(s) may operate continuously (8760 hours per year).  
[Rule 62-210.200 (PTE), F.A.C.]

A.1.5 Equipment from other loactions: Emission units 006 – 011 shall be in compliance with specific condition A.1..2 prior to operating at the Fort Pierce plant.  
[Rule 62-4. 070(3), F.A.C.]

**A.2 Compliance Monitoring and Testing Requirements**

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**A.2.1 Visible Emission Test Required:**

In determining compliance with the fugitive particulate matter emission limiting standards above, the owner or operator shall use Method 9 and the procedures in 40 CFR 60.11, with the following additions:

- a. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
- b. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- c. For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emission and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emission is to be made at a point in the plume where the mist is no longer visible.  
[40 CFR 60.675(c)(1)]

**A.2.2 Performance Test:**

The initial visible emission compliance test shall be completed within 180 days of the issuance date of this permit.  
[40 CFR 60.8(a)]

**A.2.3** The permittee shall use as reference methods and procedures the test methods in 40 CFR 60 Appendix A, unless the Department

- (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology.
- (2) approves the use of an equivalent method,
- (3) approves the use of an alternative method the results of which the Department has determined to be adequate for indicating whether a specific source is in compliance,
- (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Department's satisfaction that the affected facility is in compliance with the standard, or
- (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.  
[40 CFR 60.8(b)]

A.2.4 Opacity Test Requirements:

- A) For the purpose of determining Initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test.  
[40 CFR 60.675(c)(2), and 40 CFR 60.11(b)]
- B) When determining compliance for affected facilities under 60.672(b) [Belt Conveyers] the duration of Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:  
i) There are no individual readings greater than 10 percent opacity; and  
ii) There are no more than 3 readings of 10 percent for the 1-hour period.  
[40 CFR 60.675((c)(3)]
- C) When determining compliance for affected facilities under 60.672(c) [Crusher] the duration of Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:  
i) There are no individual readings greater than 15 percent opacity; and  
ii) There are no more than 3 readings of 15 percent for the 1-hour period.  
[40 CFR 60.675((c)(4)]
- D) For the method and procedure above, if emission from two or more facilities continuously interfere so that the opacity of fugitive emission from an individual affected facility cannot be read, either of the following procedures may be used:  
i). Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emission stream.  
ii). Separate the emission so that the opacity of emission from each affected facility can be read.  
[40 CFR 60.675((e)]
- E) Initial Method 9 performance tests are not required for:  
i) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line upto, but not including the next crusher, grinding mill or storage bin.  
ii) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, that process saturated materials upto the first crusher, grinding mill, or storage bin in the production line.

**DRAFT**

A.2.5 Test Notification:

The permittee shall provide the Department at least 30 days prior notice of any performance test.  
[40 CFR 60.675, and 40 CFR 60.8(d)]

If, after 30 days notice for an initially scheduled performance test, there is a delay in conducting any rescheduled performance test, the permittee shall submit a notice to the Department at least 7 days prior to any rescheduled performance test.  
[40 CFR 60.675(g)]

- A.2.6 For transfer points on conveyor belts enclosed by tunnels, emission from these transfer points shall be evaluated by performing opacity determinations — using EPA Method 9, — at each end of such tunnel. Compliance with the opacity limitation at each end of such tunnel shall indicate the transfer points within each tunnel comply with the opacity limitation. Such opacity observations shall be conducted while the facility is running with the most drop points simultaneously in operation as practicable. Such opacity observations shall be performed in accordance with the frequency, duration, and other requirements specified in this permit.

---

**A.3 Reporting and Record Keeping Requirements**

**A.3.1 Test Reports:**

The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the emission limiting standards above, including reports of opacity observations made using Method 9.

[40 CFR 60.676(f)]

Copies of all reports, tests, notifications or other submittals required by this permit shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Program. All records required by this permit shall be kept by the permittee for a minimum of two years from the date of such records.

[Rule 62-4.070(3), F.A.C.]

**A.3.2 Change of processing material (Saturated Vs Unsaturated)**

Any screening operation, bucket elevator, or belt conveyer that process saturated material and is subject to 40 CFR 672(h) and subsequently processes unsaturated material, shall submit a report of this change to the Department within 30 days following change. This screening operation, bucket elevator, or belt conveyer is then subject to the 10 percent opacity limit in 40 CFR 672(b) and the emission test requirement of 40 CFR 60.11 and NSPS Subpart OOO. Likewise a screening operation, bucket elevator, or belt conveyer that processes unsaturated material but subsequently processes saturated material shall submit a report of this change to the Department within 30 days following such change. This screening operation, bucket elevator, or belt conveyer is then subject to the no visible limit in 40 CFR 60.672(h).

[40 CFR 676(g)]

**A.3.3 AOR Supplemental Information:** Annual operating reports for the emission units covered under this section shall include following supplemental information that was recorded in the previous calendar year:

- The material processed on a monthly basis
- A consecutive 12-month total material processed, calculated from the monthly totals for the previous twelve calendar months

[Rule 62-4.070(3), F.A.C.]

**DRAFT**

**A.4 Reporting for Replacement of Facilities**

**A.4.1** When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing facility, the new facility is exempt from provisions of 40 CFR 60.672 (standards for particulate matter), 40 CFR 60.674 (Monitoring of operations), and 40 CFR 60.675 (Test methods and procedures). Reconstruction costs shall be calculated per 40 CFR 60.673.

[40 CFR 60.670(d)(1)]

**A.4.2** Replacing all existing facilities in a production line with new facilities does not qualify for the exemption described as above.

[40 CFR 60.670.670(d)(3)]

**A.4.3** When seeking exemption as mentioned in condition 4.1, the permittee shall submit the following information required by 40 CFR 60.676(a) to the Department of Environmental Protection, Southeast District Office, Air Program.



*The required information shall be submitted for both existing facility replaced, and the replacement equipment.*

When Replacing...	Required Information	Rule Reference
a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station	Rated capacity in tons per hour	40 CFR 60.676(a)(1)
a screening operation	The total surface area of the top screen	40 CFR 60.676(a)(2)
a conveyer belt	The width of the belt	40 CFR 60.676(a)(3)
a storage bin	The rated capacity in tons	40 CFR 60.676(a)(4)

[40 CFR 60.676(a)]

- A.4.4 The permittee shall not replace any facility covered under this permit with a piece of equipment of larger size or different function without applying for, and receiving, a modification of this permit to allow such replacement, unless this requirement is specifically waived in writing by the Department of Environmental Protection, Southeast District Office, Air Program.

[40 CFR 60.670]

**DRAFT**

**PART III B  
EMISSION UNIT SPECIFIC CONDITIONS**

This part of this permit addresses the following emission units:

Emission Unit Number	Emission Unit Description
003	Diesel Powered Units (Deutz Model #; Serial #) for Hewitt Robins Crusher) (CAT Model 3408; Serial # ) (Detroit Model 1271; Serial # for the Cedar Rapids Crusher) (CAT Model 3408; Serial # ) (Detroit Model 671; Serial # Pump #1: From settling pit to canal) (Detroit Model 671; Serial # Pump #3: From settling pit to water trucks) (Detroit Model 671; Serial # Pump #4: From working pit to settling pit)
004	All other operations not subject to NSPS Subpart OOO Crusher (Cedarapids rated at 300 TPH; Model 4340; Serial 37496) Screening and Conveying Systems (Cedarapids)
005	Crusher (Cedarapids rated at 350 TPH; Model 37496; Serial 12VA-870073)

Emission units 003 and 004 are located at the Fort Pierce plant. However, emission unit 005 is located at another Florida Rock facility, which may be brought to the Fort Pierce plant. Emission unit 005 is not subject to 40 CFR Part 60 Subpart OOO.

**B.1 Emission Limiting Standards and Operation Restrictions**

- B.1.1 Permitted Capacity: The processed raw material throughput is limit to 10,000,000 TPY (facility-wide).  
[Rule 62-210.200, F.A.C., Definitions-PTE; requested by applicant]
- B.1.2 Visible Emission: Fugitive particulate matter emission shall not be equal to or greater than 20 percent opacity from any facility.  
[Rule 62-296.320(4)(b), F.A.C.]
- B.1.3 Unrestricted Hours of Operation: The referenced emission units may operate continuously (8760 hours per year).
- B.1.4 Allowable Fuels: Fuel burned shall be limited to new number 2 fuel oil with a maximum sulfur content of 0.5% by weight.  
[Rule 62-4.070(3), F.A.C.]
- B.1.5 Fuel Consumption Limits: Diesel fuel consumption by all diesel units shall not exceed 250,000 gallons in any consecutive 12-month period.  
[Rule 62-4.070(1), F.A.C. and requested by applicant]

**DRAFT**

**B.2 Compliance Monitoring and Testing Requirements**

- B.2.1 Visible Emission Test Required:

Emission Unit	Compliance Method	Duration	Rule Reference
003	EPA Method 9	30 Minutes	Rule 62-297.401(9)(a), F.A.C.
004	EPA Method 9	30 Minutes	
005	EPA Method 9	30 Minutes	

B.2.2 **Allowable Fuels:** The owner or operator shall record and maintain records of the types of fuel burned. The owner or operator shall maintain records to demonstrate that each shipment of diesel fuel has 0.5 percent or less (by weight) of sulfur and that the sulfur content was determined by ASTM methods ASTM D4057-88 and ASTM D129-91, ASTM D2622-94 or ASTM D4294-90, adopted and incorporated by reference in Rule 62-297.440(1). Certifications from the fuel supplier in accordance with the above requirement shall be satisfactory records. [Rule 62-4.070(3), F.A.C.]

B.2.3 **Test Frequency:**

Visible emission compliance tests shall be completed before issuance of the operation permit. See facility wide condition 1.6 in PART II of this permit.  
[Rules 62-4.030, 62-4.050, 62-4.220, and 62-210.300, F.A.C.]

**B.3 Reporting and Record Keeping Requirements**

B.3.1 **AOR Supplemental Information:** Annual operating reports for the emission units covered under this section shall include following supplemental information that was recorded in the previous calendar year:

- a. The fuel consumption rate on a monthly basis, used by all diesel units
  - b. A consecutive 12-month total fuel consumption, calculated from the monthly totals for the previous twelve calendar months
  - c. The highest percent sulfur content (by weight) of diesel fuel received
- [Rule 62-4.070(3), F.A.C.]

B.3.2 **Fuel Consumption Limits:** The owner or operator shall record and maintain records of the fuel consumption on a monthly basis.

The permittee shall record and maintain the total consumption of diesel fuel by the diesel engines on a **monthly** basis. From the monthly records the permittee shall record and maintain a rolling 12-month total record of the amount of fuel consumed to demonstrate compliance with the fuel limitation in specific condition number Part III B, I.5.

[Rule 62-4.070(3), F.A.C.]

B.3.3 The permittee shall submit written reports of the results of all compliance tests conducted to demonstrate compliance with the emission limiting standards above, including reports of opacity observations made using Method 9. All records required by this permit shall be kept by the permittee for a minimum of two years from the date of such records.

[Rules 62-4.070(1) and 62-297.310(8), F.A.C.]

**DRAFT**

**B.4 Reporting for Replacement of Facilities**

B.4.1 When an existing facility (one that is not subject to the NSPS requirements) is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing facility, the new facility is exempt from the NSPS requirements, but is not exempt from any other requirements of Department rules or this permit. If the permittee replaces all existing facilities in a production line with new facilities, the new facilities become subject to and must comply with the NSPS requirements. The permittee shall submit the information required by 40 CFR 60.676(a) and (b) to the Department of Environmental Protection, Southeast District Office, Air Program, and the US Environmental Protection Agency, prior to replacing any existing facility. Reconstruction costs shall be calculated per 40 CFR 60.673.

[40 CFR 60.670(d) and 60.676(a) & (b)]

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

Isidore G. Adams, P.E. \_\_\_\_\_ Date  
District Air Program Administrator  
Southeast District

IG/la

cc: Clair Fancy, P.E., Chief, Bureau of Air Regulation, DEP  
Doug Neeley, Chief, Air Programs Branch, U.S. EPA, Region IV (Attn.: Gracy Danois)

**FILING AND ACKNOWLEDGMENT:** FILED, on this date, pursuant to § 120.52(7), F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

\_\_\_\_\_  
Clerk

\_\_\_\_\_  
Date

DEP ROUTING AND TRANSMITTAL SLIP

TO: (NAME, OFFICE, LOCATION)

3. \_\_\_\_\_

1. Bruce R. Mitchell

2. Tallahassee 5. Office

PLEASE PREPARE REPLY FOR:

\_\_\_\_ SECRETARY'S SIGNATURE

\_\_\_\_ DIV/DIST DIR SIGNATURE

\_\_\_\_ MY SIGNATURE

\_\_\_\_ YOUR SIGNATURE

\_\_\_\_ DUE DATE \_\_\_\_\_

ACTION/DISPOSITION

\_\_\_\_ DISCUSS WITH ME

\_\_\_\_ COMMENTS/ADVISE

\_\_\_\_ REVIEW AND RETURN

\_\_\_\_ SET UP MEETING

\_\_\_\_ FOR YOUR INFORMATION

\_\_\_\_ HANDLE APPROPRIATELY

\_\_\_\_ INITIAL AND FORWARD

\_\_\_\_ SHARE WITH STAFF

FOR YOUR FILES

COMMENTS:

Bureau of Air  
Regulation DEP  
Mail Station #

5505

SC # 278-1344

FROM: WLB SED

DATE: 4/22/00

PHONE: 226-6659

**Technical Evaluation**  
Florida Department of Environmental Protection, Southeast District Air Permitting Section  
Page 1 of 1

ARMS No.: 1110072-014-AC  
Florida Rock Industries (FRI), Inc., Ft. Pierce Quarry

Type of Application:

Modification and Construction

Reviewed By: Lennon Anderson

Agency determination:

Pursuant to F.A.C. Rules 62-4.070, 62-212, and F.S. 403.087 & 403.021, the Department may issue a permit to an applicant when the applicant has provided reasonable assurance that the proposed project as described and subject to the draft permit conditions will not cause pollution in contravention of Department standards or rules; cause or contribute to a violation of, or interfere with the reasonable further progress toward attaining, any air quality standard; or adversely impact human health, welfare or the environment.

The Florida Department of Environmental Protection, Southeast District Office, has such reasonable assurance and the Department, therefore, intends to issue an air pollution construction permit to the applicant.

Project Description:

FRI plans to install a new MGL Screening Unit, reinstate a Cedar Rapids Crusher, seek federal enforceability and allow crushers and screening units from other FRI locations to operate at the Fort Pierce location.

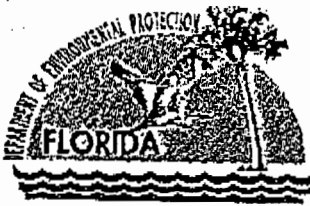
Emission Limitations & Potential Emissions:

In order to remain a non-title V facility, FRI opted to place a cap on facility-wide fuel usage at 250,000 gallons and material processed at 10,000,000 tons per year. According to emission factors from AP-42 for internal combustion engines, the emission for various pollutants are shown below. The facility remains a non-title V facility since none of the pollutants exceeded 100 tons per year.

Emission Units	Limitations			CO tpy	NOx tpy	SO2 tpy	PM tpy	VOC tpy
	Hours of Operation	Fuel Type or Sulfur %	Other					
All Diesel Power units	8760	0.5	250,000 gallons (Facility-wide)	16.7	77.2	5.10	5.4	6.3

Title V Applicability:

The facility is not subject to requirements of Title V because it will be synthetically limited through federally enforceable permit conditions.



# Department of Environmental Protection

Jeb Bush  
Governor

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

David B. Struhs  
Secretary

## FAX TRANSMITTAL

DATE 05/1/00 # OF PAGES (including this page) 2 FROM: Lennon Anderson

TO: Mr. Bill Leffler

PERSON SENDING FAX: \_\_\_\_\_

AGENCY: \_\_\_\_\_

TRANSMITTAL ON A HITACHI/HIFAX/35

FAX NUMBER: 850 922-6979

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

IF ANY OF THE PAGES ARE NOT CLEARLY RECEIVED PLEASE CALL SENDER AT: (407) - 681-6600  
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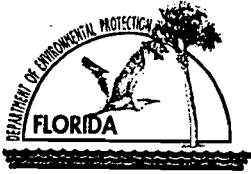
COMMENTS:

As you requested, the technical evaluation  
is attached. Please call me at SC 226-6632.  
I have a question.

Thanks!

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

Printed on recycled paper.



# 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: <b>Florida Rock Industries, Inc.</b>	
2. Site Name: <b>Fort Pierce Mine</b>	
3. Facility Identification Number: <b>1110072</b> [ ] Unknown	
4. Facility Location: Street Address or Other Locator: <b>14171 Rangeline Road</b> City: <b>Port St. Lucie</b> County: <b>St. Lucie</b> Zip Code: <b>34987</b>	
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: <b>Steve Cullen, Project Engineer</b>	
2. Application Contact Mailing Address: Organization/Firm: <b>Koogler &amp; Associates</b> Street Address: <b>4014 NW 13<sup>th</sup> Street</b> City: <b>Gainesville</b> State: <b>FL</b> Zip Code: <b>34609</b>	
3. Application Contact Telephone Numbers: Telephone: <b>(352) 377-5822</b> Fax: <b>(352) 377-7158</b>	

##### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	



**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: \_\_\_\_\_

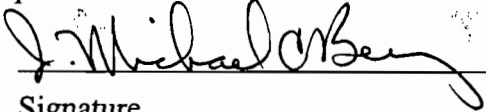
Reason for revision: \_\_\_\_\_

**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: <b>Michael O'Berry – Environmental Permitting Manager</b>
2. Owner/Authorized Representative Mailing Address: Organization/Firm: <b>Florida Rock Industries, Inc.</b> Street Address: <b>P.O. Box 4667</b> City: <b>Jacksonville</b> State: <b>FL</b> Zip Code: <b>32201</b>
3. Owner/Authorized Representative Telephone Numbers: Telephone: <b>(904) 355-1781</b> Fax: <b>(904) 355-0469</b>
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>3/20/00</u>

\* Attach letter of authorization if not currently on file.

**Professional Engineer Certification**

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

4. Professional Engineer Statement:

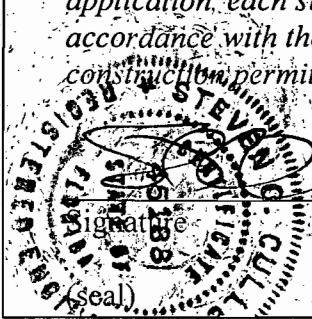
*I, the undersigned, hereby certify, except as particularly noted herein\*, that:*

*(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.*



Signature  
(seal)

Date 3/20/00

\* Attach any exception to certification statement.



**Construction/Modification Information**

1. Description of Proposed Project or Alterations:

**The Permittee respectfully requests that this permitting be expedited.**

**I. A construction permit for the MGL screening unit.  
(see DEP File No. 1110072-009-AC)**

**II. A construction permit to reinstate the Cedar Rapids portable crushing unit.  
(see DEP File No. 1110072-004-AC).**

**III. A construction permit to make federally enforceable an assumed restriction on the potential emissions of the facility by limiting annual fuel use and annual throughput.**

**IV. A construction permit to authorize the operation of any combination of portable material handling equipment on list attached to this application. Such operation will not exceed any of the requested operational limitations. This permitting approach was suggested by Bruce Mitchell (FDEP DARM on March 2, 2000.**

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

3. Projected Date of Completion of Construction: **One Year After DEP Approval**

**Application Comment**

**Fees:**

**Construction permit for Emissions Units 001 and 002 (similar units), potential PM emissions less than 25 TPY = \$1000.**

**Construction permit for Emissions Unit 003, potential emissions of NO<sub>x</sub> of 77.7 TPY = \$4500.**

**Less \$500 submitted in September 1999 on same project file = \$5000**

**Florida Rock owns and operates numerous portable material handling units (crushing units and screening units) at various limestone mines around the state. This application will allow the future operation permit for each of the stationary mines to authorize the use of any combination of the previously permitted portable units. Department personnel (Bruce Mitchell and Bill Leffler, DARM, 3/2/2000) suggested this permitting approach is preferable to the issuance of numerous relocatable permits.**

**This application establishes synthetic limitations to ensure that all emissions are properly addressed and regulated. The issuance of an air construction permit provides the necessary federal enforceability.**

## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

#### Facility Location and Type

1. Facility UTM Coordinates: Zone: <b>17</b> East (km): <b>547.2</b> North (km): <b>3014.0</b>			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): <b>25°52'44"</b> Longitude (DD/MM/SS): <b>80°23'37"</b>			
3. Governmental Facility Code: <b>0</b>	4. Facility Status Code: <b>A</b>	5. Facility Major Group SIC Code: <b>14</b>	6. Facility SIC(s): <b>1422</b>
7. Facility Comment (limit to 500 characters):  <b>This application establishes synthetic limitations to ensure that all emissions are properly addressed and regulated. The issuance of an air construction permit provides the necessary federal enforceability.</b>  <b>The facility-wide operational limitations are:</b>  <b>8760 hours/year of operation</b> <b>250,000 gallons per year of diesel fuel in non-exempt processing equipment</b> <b>10,000,000 tons/year of raw material processed</b>  <b>These limits apply to any combination of equipment on the attached list.</b>			

#### Facility Contact

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

**Facility Regulatory Classifications**

**Check all that apply:**

1. <input type="checkbox"/> Small Business Stationary Source?	<input checked="" type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Synthetic Non-Title V Source?	
3. <input checked="" type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
5. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
6. <input type="checkbox"/> One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?	
7. Facility Regulatory Classifications Comment (limit to 200 characters):	
<p><b>This application establishes this facility as a synthetic minor source of NOx. Certain pieces of the equipment described in this application are affected facilities per 40 CFR 60, Subpart OOO.</b></p>	

**Rule Applicability Analysis**

<p><b>The facility is subject to certain provisions of these rules:</b></p> <p><b>Rule 62-4, FAC</b> <b>Rule 62-204, FAC</b> <b>Rule 62-210, FAC</b> <b>Rule 62-296, FAC</b> <b>Rule 62-297, FAC</b> <b>40 CFR 60, Subpart A</b> <b>40 CFR 60, Subpart OOO</b></p> <p><b>This project and the facility are not subject to 62-212, FAC or 62-213, FAC; as this is an existing minor source, a minor amendment, and the facility is located in an area designated as attainment for all criteria pollutants.</b></p>
--





**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 <b>Department has on file</b>
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>Department has on file</b>
3. Process Flow Diagram(s): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>Department has on file</b>
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 <b>Department has on file</b>
5. Supplemental Information for Construction Permit Application: <input checked="" type="checkbox"/> Attached, Document ID: <b>Equipment list</b> <input type="checkbox"/> Not Applicable
6. Supplemental Requirements Comment: N/A

**Emissions Unit Information Section 1 of 3 [Crushers subject to NSPS Subpart OOO]**

**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):</p> <p><b>Crushers Subject to NSPS Subpart OOO</b></p>		
<p>3. Emissions Unit Identification Number: <span style="float: right;"><input type="checkbox"/> No ID</span>                  ID: 001 <span style="float: right;"><input type="checkbox"/> ID Unknown</span></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><b>This emissions unit includes the Hewitt Robbins crusher currently permitted at the facility, the Cedar Rapids crusher previously permitted at the facility, and any crushers from the attached equipment list.</b></p>		



**Emissions Unit Information Section 1 of 3 [Crushers subject to NSPS Subpart OOO]**

**B. EMISSION POINT (STACK/VENT) INFORMATION**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram? <b>Portable</b>		2. Emission Point Type Code: <b>3</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>This emissions unit includes the Hewitt Robbins crusher currently permitted at the facility, the Cedar Rapids crusher previously permitted at the facility, and any crushers from the attached equipment list.</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>N/A</b>			
5. Discharge Type Code: <b>F</b>	6. Stack Height: <b>N/A</b> feet	7. Exit Diameter: <b>N/A</b> feet	
8. Exit Temperature: <b>Ambient, 77°F</b>	9. Actual Volumetric Flow Rate: <b>N/A</b> acfm	10. Water Vapor: <b>N/A</b> %	
11. Maximum Dry Standard Flow Rate: <b>N/A</b> dscfm		12. Nonstack Emission Point Height: <b>0</b> 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 3 [Crushers subject to NSPS Subpart 000]**

**C. SEGMENT (PROCESS/FUEL) INFORMATION**

**Segment Description and Rate: Segment 1 of 1**

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  <b>Mineral Products: Stone Quarrying/Processing: Primary Crushing</b>		
2. Source Classification Code (SCC): <b>3-05-020-01</b>		3. SCC Units: <b>Tons Processed</b>
4. Maximum Hourly Rate:	5. Maximum Annual Rate: <b>10,000,000 Tons Processed</b>	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: <b>N/A</b>	8. Maximum % Ash: <b>N/A</b>	9. Million Btu per SCC Unit: <b>N/A</b>
10. Segment Comment (limit to 200 characters):		

**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):		

**Emissions Unit Information Section 1 of 3 [Crushers subject to NSPS Subpart OOO]  
Pollutant Detail Page 1 of 2**

**D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**

**Potential Emissions**

1. Pollutant Emitted: <b>PM</b>		2. Pollutant Regulatory Code: <b>WP</b>	
3. Primary Control Device Code: <b>N/A</b>		4. Secondary Control Device Code: <b>N/A</b>	
5. Total Percent Efficiency of Control: <b>N/A</b>		6. Potential Emissions: lb/hour <b>6.0 tons/year</b>	
7. Synthetically Limited? <b>[ X ]</b>		8. Emission Factor: <b>0.00059 (PM10) x 2.1 = 0.0012 lb/ton</b> Reference: <b>AP-42 Version 5 Table 11.19.2-2</b>	
9. Emissions Method Code: <b>3</b>		10. Calculation of Emissions (limit to 600 characters):  <b>Annual: 0.0012 lb/ton x 10,000,000 tons/year x 1 ton/2000 lb = 6.0 tons/yr</b>	
11. Pollutant Potential Emissions Comment (limit to 200 characters):  <b>In accordance with AP-42, the PM10 emission factor for tertiary crushing is used for primary crushing, and is multiplied by 2.1 to approximate PM.</b>			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>		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 1 of 3 [Crushers subject to NSPS Subpart OOO]  
Pollutant Detail Page 2 of 2**

**Potential Emissions**

1. Pollutant Emitted: <b>PM10</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code: <b>N/A</b>	4. Secondary Control Device Code: <b>N/A</b>	5. Total Percent Efficiency of Control: <b>N/A</b>	
6. Potential Emissions: lb/hour <b>3.0 tons/year</b>		7. Synthetically Limited? <b>[ X ]</b>	
8. Emission Factor: <b>0.00059 lb/ton</b> Reference: <b>AP-42 Version 5 Table 11.19.2-2</b>		9. Emissions Method Code: <b>3</b>	
10. Calculation of Emissions (limit to 600 characters):  <b>Annual: 0.00059 lb/ton x 10,000,000 tons/year x 1 ton/2000 lb = 3.0 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters):  <b>In accordance with AP-42, the PM10 emission factor for tertiary crushing is used for primary crushing.</b>			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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 1 of 3 [Crushers subject to NSPS Subpart 000]**

**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: <b>VE15</b>	2. Basis for Allowable Opacity: [ <input checked="" type="checkbox"/> ] Rule <b>40 CFR 60.672(c)</b> [ ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>15%</b> Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: <b>Method 9</b>	
5. 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: <b>N/A</b>	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 3 [Crushers subject to NSPS Subpart OOO]**

**G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

**Supplemental Requirements**

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>Department has on file</b>
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 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:

**Emissions Unit Information Section 2 of 3 [Other Operations -- NSPS Subpart 000]**

**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):  <b>Other operations (screening, conveying systems) Subject to NSPS Subpart 000</b></p>		
<p>3. Emissions Unit Identification Number:                  ID: <b>002</b></p>		<p><input type="checkbox"/> No ID  <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status                  Code: <b>A</b></p>	<p>5. Initial Startup Date:                  N/A</p>	<p>6. Emissions Unit Major                  Group SIC Code: <b>14</b></p>
<p>7. Emissions Unit Comment: (Limit to 500 Characters)</p> <p><b>This emissions unit addresses all other affected facilities under NSPS Subpart 000.</b></p>		



**Emissions Unit Information Section 2 of 3 [Other Operations -- NSPS Subpart OOO]**

**B. EMISSION POINT (STACK/VENT) INFORMATION**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram? <b>Portable</b>		2. Emission Point Type Code: <b>3</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>This emissions unit includes the Power Screen and Read screen currently permitted at the facility, the conveyors currently permitted at the facility, the MGL Portable Screening Unit per DEP File No. 1110072-009-AC and any other affected facilities from the attached equipment list.</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: <b>F</b>	6. Stack Height: <b>N/A</b> feet	7. Exit Diameter: <b>N/A</b> feet	
8. Exit Temperature: <b>Ambient, 77°F</b>	9. Actual Volumetric Flow Rate: <b>N/A</b> acfm	10. Water Vapor: <b>N/A</b> %	
11. Maximum Dry Standard Flow Rate: <b>N/A</b> dscfm		12. Nonstack Emission Point Height: <b>0</b> 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 3 [Other Operations -- NSPS Subpart 000]**

**C. SEGMENT (PROCESS/FUEL) INFORMATION**

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  <b>Mineral Products: Stone Quarrying/Processing: Miscellaneous Operations: Screen/Convey/Handling</b>		
2. Source Classification Code (SCC): <b>3-05-020-06</b>		3. SCC Units: <b>Tons Processed</b>
4. Maximum Hourly Rate:	5. Maximum Annual Rate: <b>10,000,000 Tons Processed</b>	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: <b>N/A</b>	8. Maximum % Ash: <b>N/A</b>	9. Million Btu per SCC Unit: <b>N/A</b>
10. Segment Comment (limit to 200 characters):		

**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):		

**Emissions Unit Information Section 2 of 3 [Other operations -- NSPS Subpart OOO]  
Pollutant Detail Information 1 of 2**

**D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**

**Potential Emissions**

1. Pollutant Emitted: <b>PM</b>		2. Pollutant Regulatory Code: <b>WP</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour <b>10.0 tons/year</b>		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>0.002 lb/ton</b> Reference: <b>AP-42 Version 5 Table 11.19.2-2</b>		9. Emissions Method Code: <b>3</b>	
10. Calculation of Emissions (limit to 600 characters):  <b>Annual: 0.002 lb/ton x 10,000,000 x 1 ton/2000 lb = 10.0 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters): <b>Truck unloading = 0.000016 x 2.1 = 0.000034 lb/ton</b> <b>Screening = 0.00084 x 2.1 = 0.0018 lb/ton</b> <b>Conveyor transfer point = 2 points (typ.) x 0.000048 lb/ton x 2.1 = 0.0002 lb/ton</b> <b>Emission Factor = 0.000034 + 0.0018 lb/ton + 0.0002 lb/ton = 0.002 lb/ton</b>			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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 3 [Other operations -- NSPS Subpart OOO]  
Pollutant Detail Information 2 of 2**

**Potential Emissions**

1. Pollutant Emitted: <b>PM10</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour <b>5.0 tons/year</b>		7. Synthetically Limited? [ ]	
8. Emission Factor: <b>0.001 lb/ton</b> Reference: <b>AP-42 Version 5 Table 11.19.2-2</b>		9. Emissions Method Code: <b>3</b>	
10. Calculation of Emissions (limit to 600 characters):  <b>Annual: 0.001 lb/ton x 10,000,000 x 1 ton/2000 lb = 5.0 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters): <b>Truck unloading = 0.000016 lb/ton</b> <b>Screening = 0.00084 lb/ton</b> <b>Conveyor transfer point = 2 points (typ.) x 0.000048 lb/ton = 0.0001 lb/ton</b> <b>Emission Factor = 0.000016 + 0.00084 lb/ton + 0.0001 lb/ton = 0.001 lb/ton</b>			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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 3 [Other operations -- NSPS Subpart 000]**

**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: <b>VE10</b>	2. Basis for Allowable Opacity: [ <input checked="" type="checkbox"/> ] Rule 40 CFR 60.672(b) [ ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>10%</b> Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: <b>Method 9</b>	
5. Visible Emissions Comment (limit to 200 characters):  <b>This opacity limitation applies to the Power Screen and Read screen currently permitted at the facility, the conveyors currently permitted at the facility, the MGL Portable Screening Unit per DEP File No. 1110072-009-AC and any other affected facilities from the attached equipment list.</b>	

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

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code: <b>N/A</b>	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 3 of 3 [Diesel Powered Units]**

**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**

1. Type of Emissions Unit Addressed in This Section: (Check one)		
<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).		
<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.		
<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.		
2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):		
<b>Diesel Drive Units</b>		
3. Emissions Unit Identification Number: ID: <b>003</b>		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown
4. Emissions Unit Status Code: <b>A</b>	5. Initial Startup Date: <b>N/A</b>	6. Emissions Unit Major Group SIC Code: <b>14</b>
7. Emissions Unit Comment: (Limit to 500 Characters)		
<b>This emissions unit includes the diesel engines currently permitted at the facility, the diesel engines associated with the Cedar Rapids portable crushing unit previously permitted at the facility, the diesel engine for the MGL Portable Screening Unit per DEP File No. 1110072-009-AC, and any diesel engines associated with the portable equipment on the attached list.</b>		



**Emissions Unit Information Section 3 of 3 [Diesel Powered Units]**

**B. EMISSION POINT (STACK/VENT) INFORMATION**

**Emission Point Description and Type**

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

**Emissions Unit Information Section 3 of 3 [Diesel Powered Units]**

**C. SEGMENT (PROCESS/FUEL) INFORMATION**

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  <b>Internal Combustion Engines: Industrial: Diesel: Reciprocating</b>		
2. Source Classification Code (SCC): <b>2-02-001-02</b>		3. SCC Units: <b>Thousand Gallons Burned</b>
4. Maximum Hourly Rate:	5. Maximum Annual Rate: <b>250</b>	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: <b>0.5</b>	8. Maximum % Ash: <b>N/A</b>	9. Million Btu per SCC Unit: <b>141</b>
10. Segment Comment (limit to 200 characters):		

**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):		

**Emissions Unit Information Section 3 of 3 [Diesel Powered Units]  
Pollutant Detail Page 1 of 5**

**D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**

**Potential Emissions**

1. Pollutant Emitted: <b>PM/PM10</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour      5.5 tons/year		7. Synthetically Limited? [ <b>X</b> ]	
8. Emission Factor: <b>0.31 lb/mmBtu</b> Reference: <b>AP-42 Version 5 Table 3.3-2</b>		9. Emissions Method Code: <b>3</b>	
10. Calculation of Emissions (limit to 600 characters):  <b>250,000 gallons x 141,000 Btu/gallon x 1.0 mmBtu/1,000,000 Btu x 0.31 lb/mmBtu x 1 ton/2000 lb = 5.5 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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 3 of 3 [Diesel Powered Units]  
Pollutant Detail Page 2 of 5**

**Potential Emissions**

1. Pollutant Emitted: <b>NOx</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour      77.7 tons/year		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>4.41 lb/mmBtu</b> Reference: <b>AP-42 Version 5 Table 3.3-2</b>		9. Emissions Method Code:  <b>3</b>	
10. Calculation of Emissions (limit to 600 characters):  <b>250,000 gallons x 141,000 Btu/gallon x 1.0 mmBtu/1,000,000 Btu x 4.41 lb/mmBtu x 1 ton/2000 lb = 77.7 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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 3 of 3 [Diesel Powered Units]  
Pollutant Detail Page 3 of 5**

**Potential Emissions**

1. Pollutant Emitted: <b>CO</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour <b>16.7 tons/year</b>		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>0.95 lb/mmBtu</b> Reference: <b>AP-42 Version 5 Table 3.3-2</b>		9. Emissions Method Code:  <b>3</b>	
10. Calculation of Emissions (limit to 600 characters):  <b>250,000 gallons x 141,000 Btu/gallon x 1.0 mmBtu/1,000,000 Btu x 0.95 lb/mmBtu x 1 ton/2000 lb = 16.7 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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 3 of 3 [Diesel Powered Units]  
Pollutant Detail Page 4 of 5**

**Potential Emissions**

1. Pollutant Emitted: <b>SO2</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour <b>5.1 tons/year</b>		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>0.29 lb/mmBtu</b> Reference: <b>AP-42 Version 5 Table 3.3-2</b>		9. Emissions Method Code:  <b>3</b>	
10. Calculation of Emissions (limit to 600 characters):  <b>250,000 gallons x 141,000 Btu/gallon x 1.0 mmBtu/1,000,000 Btu x 0.29 lb/mmBtu x 1 ton/2000 lb = 5.1 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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 3 of 3 [Diesel Powered Units]  
Pollutant Detail Page 5 of 5**

**Potential Emissions**

1. Pollutant Emitted: <b>VOC</b>		2. Pollutant Regulatory Code: <b>NS</b>	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour <b>6.3 tons/year</b>		7. Synthetically Limited? [   ]	
8. Emission Factor: <b>0.36 lb/mmBtu</b> Reference: <b>AP-42 Version 5 Table 3.3-2</b>		9. Emissions Method Code:  <b>3</b>	
10. Calculation of Emissions (limit to 600 characters):  <b>250,000 gallons x 141,000 Btu/gallon x 1.0 mmBtu/1,000,000 Btu x 0.36 lb/mmBtu x 1 ton/2000 lb = 6.3 tons/yr</b>			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code: <b>N/A</b>	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 3 of 3 [Diesel Powered Units]**

**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:	
5. 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 [ ]
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 3 of 3 [Diesel Powered Units]**

**G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

**Supplemental Requirements**

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>Department has on file</b>
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:

**List of Portable Equipment: Portable Crushing Units**

<b>Description</b>	<b>Construction Permit</b>	<b>Issued</b>	<b>Expired</b>
Cedar Rapids Portable Crushing Unit {Ft. Pierce}	1110072-004-AC 1110072-009-AC	9/26/1996 Expected 3/2000	1/28/2001
Hewitt Robbins Portable Crushing Unit {Ft. Pierce}	1110072-006-AC	7/7/1998	7/6/1999
Cedar Rapids Portable Crushing Unit {Sunniland}	0210018-001-AC 0210018-002-AC	2/22/1996 2/22/1996	2/22/1997 2/22/1997
Cedar Rapids Portable Crushing Unit {Harper Ft. Myers}	0710169-003-AC 0710169-004-AC	3/15/2000	3/15/2005
Bohringer Portable Crushing Unit {Harper Ft. Myers}	0710169-003-AC 0710169-004-AC	3/15/2000	3/15/2005
Hazemag Portable Crushing Unit {Miami}	AC13-269526	7/10/1995	6/1/1996

**List of Portable Equipment: Portable Screening Units**

<b>Description</b>	<b>Construction Permit</b>	<b>Issued</b>	<b>Expired</b>
Deister Portable Screening Unit {Harper Ft. Myers}	0710169-003-AC 0710169-004-AC	3/15/2000	3/15/2005
MGL Portable Screening Unit {Ft. Pierce}	1110072-009-AC	Expected 3/2000	
Powerscreen Portable Screening Unit {Ft. Pierce}	1110072-006-AC	7/7/1998	7/6/1999
Read Portable Screening Unit {Ft. Pierce}	1110072-006-AC	7/7/1998	7/6/1999
Powerscreen Portable Screening Unit {Miami}	Facility 0250006	To be permitted by Dade County – DERM	
Portable Screening Unit {Interlachen}	None required when used at a sand plant Facility 1070007	To be permitted by DEP – Northeast District	

**—SSR—**  
SOUTHWEST SOIL  
REMEDICATION, INC.

*Clair*

RECEIVED

October 30, 1997

APR 07 1998  
DIVISION OF AIR  
RESOURCES MANAGEMENT

Mr. Howard Rhodes  
Florida Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

RE: **Permit No. 7770246-002-AO (Duval County)**  
**Sale of Stock of Southwest Soil Remediation, Inc.**

Dear Mr. Rhodes:

Please be informed that Mr. Trevor Johansen, President and sole shareholder of Southwest Soil Remediation, Inc. (SSR), is selling all of his shares of stock to Soil Technologies, Inc. of Chattanooga, Tennessee effective October 29, 1997. Despite the change in ownership, SSR shall remain permittee under the aforementioned air permit, and Mr. Johansen will remain as the responsible party.

Should a new application or agency specific transfer form need to be completed, please forward to:

Mr. Trevor Johansen  
Southwest Soil Remediation, Inc.  
8500 E. Old Vail Road  
Tucson, Arizona 85747-9064

Thank you for your cooperation.

Company Southwest Soil Remediation, Inc.  
Name/Title Trevor Johansen - President  
Signature *T. Johansen*  
Date 10/30/97

Company Soil Technologies, Inc.  
Name/Title Rick O. Harris Secretary  
Signature *Rick O. Harris*  
Date 10/30/97