Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

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

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: **Florida Rock Industries, Inc.**	
2. Site Name: **Fort Pierce Mine**	
3. Facility Identification Number: **1110072** [ ] Unknown	
4. Facility Location: Street Address or Other Locator: **14171 Rangeline Road** City: **Port St. Lucie** County: **St. Lucie** Zip Code: **34987**	
5. Relocatable Facility? [X] Yes [ ] No	6. Existing Permitted Facility? [X] Yes [ ] No

Application Contact

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

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. 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)

[**X**] Air construction permit to construct or modify one or more emissions units.

[**X**] Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

[**X**] Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:
Michael O'Berry – Environmental Permitting Manager

2. Owner/Authorized Representative Mailing Address:
Organization/Firm: **Florida Rock Industries, Inc.**
Street Address: **P.O. Box 4667**
City: **Jacksonville** State: **FL** Zip Code: **32201**

3. Owner/Authorized Representative Telephone Numbers:
Telephone: **(904) 355-1781** Fax: **(904) 355-0469**

4. Owner/Authorized Representative Statement:

I, 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.*

J. Michael O'Berry — 3/20/00

Signature Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: **Steven C. Cullen, P.E.**
Registration Number: **45188**

2. Professional Engineer Mailing Address:
Organization/Firm: **Koogler & Associates**
Street Address: **4014 NW 13th Street**
City: **Gainesville** State: **FL** Zip Code: **32609**

3. Professional Engineer Telephone Numbers:
Telephone: **(352) 377-5822** Fax: **(352) 377-7158**

4. Professional Engineer Statement:

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

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

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

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

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

Signature

Date 3/20/00

(seal)

* Attach any exception to certification statement.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
001	Crushers Subject to NSPS Subpart OOO	AC1E	$1000
002	Other Operations (Screening, Conveying Systems) Subject to NSPS Subpart OOO		
003	Diesel Powered Units	AC1D	$4500
Application fee submitted in September 1999			[$500]

Application Processing Fee

Check one: [**X**] Attached - Amount: $ **5000** [ ] Not Applicable

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 NOx 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: **17** East (km): **547.2** North (km): **3014.0**			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): **25°52'44"** Longitude (DD/MM/SS): **80°23'37"**			
3. Governmental Facility Code: **0**	4. Facility Status Code: **A**	5. Facility Major Group SIC Code: **14**	6. Facility SIC(s): **1422**
7. Facility Comment (limit to 500 characters): **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.** **The facility-wide operational limitations are:** **8760 hours/year of operation** **250,000 gallons per year of diesel fuel in non-exempt processing equipment** **10,000,000 tons/year of raw material processed** **These limits apply to any combination of equipment on the attached list.**			

Facility Contact

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

Facility Regulatory Classifications

Check all that apply:

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

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.

Rule Applicability Analysis

The facility is subject to certain provisions of these rules:

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

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. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap lb/hour	tons/year	4. Basis for Emissions Cap	5. Pollutant Comment
PM	**B**		**21.5**	**OTHER**	**All equipment plus diesel fuel**
PM10	**B**		**13.5**	**OTHER**	**All equipment plus diesel fuel**
NOx	**SM**		**77.7**	**OTHER**	**Diesel Fuel**

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: [ ] Attached, Document ID:_____ [ ] Not Applicable [**X**] Waiver Requested **Department has on file**
2. Facility Plot Plan: [ ] Attached, Document ID:_____ [ ] Not Applicable [**X**] Waiver Requested **Department has on file**
3. Process Flow Diagram(s): [ ] Attached, Document ID:_____ [ ] Not Applicable [**X**] Waiver Requested **Department has on file**
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [ ] Attached, Document ID:_____ [ ] Not Applicable [**X**] Waiver Requested **Department has on file**
5. Supplemental Information for Construction Permit Application: [**X**] Attached, Document ID: **Equipment list** [ ] 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

1. Type of Emissions Unit Addressed in This Section: (Check one)

[ ] 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).

[ ] 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.

[**X**] 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):

Crushers Subject to NSPS Subpart OOO

3. Emissions Unit Identification Number: ID: **001**
[ ] No ID
[ ] ID Unknown

4. Emissions Unit Status Code: **A**	5. Initial Startup Date: **N/A**	6. Emissions Unit Major Group SIC Code: **14**

7. Emissions Unit Comment: (Limit to 500 Characters)

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.

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

Emissions Unit Control Equipment

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

2. Control Device or Method Code(s):

Emissions Unit Details

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

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: **N/A** mmBtu/hr
2. Maximum Incineration Rate: **N/A** lb/hr tons/day
3. Maximum Process or Throughput Rate: **10,000,000 tons/year**
4. Maximum Production Rate: **N/A**
5. Requested Maximum Operating Schedule:
   hours/day days/week
   weeks/year **8760** hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):

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? **Portable**	2. Emission Point Type Code: **3**	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **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.**		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **N/A**		
5. Discharge Type Code: **F**	6. Stack Height: **N/A** feet	7. Exit Diameter: **N/A** feet
8. Exit Temperature: **Ambient, 77°F**	9. Actual Volumetric Flow Rate: **N/A** acfm	10. Water Vapor: **N/A** %
11. Maximum Dry Standard Flow Rate: **N/A** dscfm	12. Nonstack Emission Point Height: **0** feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters):		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

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

Segment Description and Rate: Segment _____ of _____

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

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM**	2. Pollutant Regulatory Code: **WP**	
3. Primary Control Device Code: **N/A**	4. Secondary Control Device Code: **N/A**	5. Total Percent Efficiency of Control: **N/A**
6. Potential Emissions: lb/hour **6.0** tons/year		7. Synthetically Limited? [**X**]
8. Emission Factor: **0.00059 (PM10) x 2.1 = 0.0012 lb/ton** Reference: **AP-42 Version 5 Table 11.19.2-2**		9. Emissions Method Code: **3**

10. Calculation of Emissions (limit to 600 characters):

Annual: 0.0012 lb/ton x10,000,000 tons/year x 1 ton/2000 lb = 6.0 tons/yr

11. Pollutant Potential Emissions Comment (limit to 200 characters):

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.

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **N/A**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):

Potential Emissions

1. Pollutant Emitted: **PM10**		2. Pollutant Regulatory Code: **NS**
3. Primary Control Device Code: **N/A**	4. Secondary Control Device Code: **N/A**	5. Total Percent Efficiency of Control: **N/A**
6. Potential Emissions: lb/hour **3.0** tons/year		7. Synthetically Limited? [**X**]
8. Emission Factor: **0.00059 lb/ton** Reference: **AP-42 Version 5 Table 11.19.2-2**		9. Emissions Method Code: **3**

10. Calculation of Emissions (limit to 600 characters):

Annual: 0.00059 lb/ton x10,000,000 tons/year x 1 ton/2000 lb = 3.0 tons/yr

11. Pollutant Potential Emissions Comment (limit to 200 characters):

In accordance with AP-42, the PM10 emission factor for tertiary crushing is used for primary crushing.

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **N/A**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):

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: **VE15**	2. Basis for Allowable Opacity: [**X**] Rule **40 CFR 60.672(c)** [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **15%** Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: **Method 9**	
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):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested **Department has on file**
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [X] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [ ] Attached, Document ID: [X] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] 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

1. Type of Emissions Unit Addressed in This Section: (Check one)

[ ] 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).

[ ] 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.

[**X**] 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):
Other operations (screening, conveying systems) Subject to NSPS Subpart OOO

3. Emissions Unit Identification Number:
ID: **002**
[ ] No ID
[ ] ID Unknown

4. Emissions Unit Status Code: **A**	5. Initial Startup Date: **N/A**	6. Emissions Unit Major Group SIC Code: **14**

7. Emissions Unit Comment: (Limit to 500 Characters)

This emissions unit addresses all other affected facilities under NSPS Subpart OOO.

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

Emissions Unit Control Equipment

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

Emissions Unit Details

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

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: **N/A**		mmBtu/hr
2. Maximum Incineration Rate: **N/A**	lb/hr	tons/day
3. Maximum Process or Throughput Rate: **10,000,000 tons/year**		
4. Maximum Production Rate: **N/A**		
5. Requested Maximum Operating Schedule:		
hours/day		days/week
weeks/year	**8760**	hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):		

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

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

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

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

Segment Description and Rate: Segment _____ of _____

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

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

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

Allowable Emissions Allowable Emissions _____ of _____

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

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **N/A**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
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 1 of 1

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [X] Rule **40 CFR 60.672(b)** [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **10%** Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: **Method 9**	
5. Visible Emissions Comment (limit to 200 characters): **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.**	

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: [ ] 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 [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested **Department has on file**
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [X] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [ ] Attached, Document ID: [X] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] 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

1. Type of Emissions Unit Addressed in This Section: (Check one)

[X] 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).

[ ] 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.

[ ] 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):

Diesel Drive Units

3. Emissions Unit Identification Number: ID: **003**
[ ] No ID
[ ] ID Unknown

4. Emissions Unit Status Code: **A**	5. Initial Startup Date: **N/A**	6. Emissions Unit Major Group SIC Code: **14**

7. Emissions Unit Comment: (Limit to 500 Characters)

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.

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

Emissions Unit Control Equipment

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

2. Control Device or Method Code(s):

Emissions Unit Details

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

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: **Various** mmBtu/hr
2. Maximum Incineration Rate: **N/A** lb/hr tons/day
3. Maximum Process or Throughput Rate: **250,000 gallons/year**
4. Maximum Production Rate: **N/A**
5. Requested Maximum Operating Schedule:
   hours/day days/week
   weeks/year **8760** hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):

This fuel usage is for all non-exempt processing equipment.

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

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

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

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM/PM10**	2. Pollutant Regulatory Code: **NS**	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:
6. Potential Emissions: lb/hour **5.5** tons/year		7. Synthetically Limited? [**X**]
8. Emission Factor: **0.31 lb/mmBtu** Reference: **AP-42 Version 5 Table 3.3-2**		9. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **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**		
11. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions _____ of _____

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

Potential Emissions

1. Pollutant Emitted: **NOx**	2. Pollutant Regulatory Code: **NS**	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:
6. Potential Emissions: lb/hour **77.7** tons/year		7. Synthetically Limited? [ ]
8. Emission Factor: **4.41 lb/mmBtu** Reference: **AP-42 Version 5 Table 3.3-2**		9. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **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**		
11. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions _____ of _____

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

Potential Emissions

1. Pollutant Emitted: **CO**		2. Pollutant Regulatory Code: **NS**
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:
6. Potential Emissions: lb/hour **16.7** tons/year		7. Synthetically Limited? [ ]
8. Emission Factor: **0.95 lb/mmBtu** Reference: **AP-42 Version 5 Table 3.3-2**		9. Emissions Method Code: **3**

10. Calculation of Emissions (limit to 600 characters):

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

11. Pollutant Potential Emissions Comment (limit to 200 characters):

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **N/A**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):

Potential Emissions

1. Pollutant Emitted: **SO2**		2. Pollutant Regulatory Code: **NS**
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:
6. Potential Emissions: lb/hour **5.1** tons/year		7. Synthetically Limited? [ ]
8. Emission Factor: **0.29 lb/mmBtu** Reference: **AP-42 Version 5 Table 3.3-2**		9. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **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**		
11. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions _____ of _____

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

Potential Emissions

1. Pollutant Emitted: **VOC**		2. Pollutant Regulatory Code: **NS**
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:
6. Potential Emissions: lb/hour **6.3** tons/year		7. Synthetically Limited? [ ]
8. Emission Factor: **0.36 lb/mmBtu** Reference: **AP-42 Version 5 Table 3.3-2**		9. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **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**		
11. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions _____ of _____

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

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: [ ] 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 [ ] Attached, Document ID:_____ [ ] Not Applicable [**X**] Waiver Requested **Department has on file**
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [ ] Not Applicable [**X**] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID: [**X**] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [**X**] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [ ] Attached, Document ID: [**X**] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [**X**] Not Applicable
10. Supplemental Requirements Comment:

List of Portable Equipment: Portable Crushing Units

Description	Construction Permit	Issued	Expired
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

Description	Construction Permit	Issued	Expired
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	