



Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - TITLE V SOURCE

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

OCT 1 - 1999

Identification of Facility

1. Facility Owner/Company Name: FLORIDA ROCK INDUSTRIES, INC.	
2. Site Name: NEWBERRY CEMENT PLANT	
3. Facility Identification Number: 0010087 [] Unknown	
4. Facility Location: Street Address or Other Locator: CR 235 2.5 MI. NE OF NEWBERRY City: NEWBERRY County: ALACHUA Zip Code:	
5. Relocatable Facility? [] Yes [X] No	6. Existing Permitted Facility? [X] Yes [] No

STATE OF FLORIDA
DEPT. OF ENV. PROTECTION
NORTHEAST DISTRICT-JAX

Application Contact

1. Name and Title of Application Contact: Steven C. Cullen, PE		
2. Application Contact Mailing Address: Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th ST City: Gainesville State: Florida Zip Code: 32609		
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:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

BUREAU OF AIR REGULATION
OCT 27 1999
RECEIVED

Purpose of Application

Air Operation Permit Application

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

- Initial Title V air operation permit for an existing facility which is classified as a Title V source.
- Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: AC01-267311

- Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: _____

Operation permit number to be revised: _____

- Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)

Operation permit number to be revised/corrected: _____

- Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

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 or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official: FRED W. COHRS – VICE PRESIDENT
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: FLORIDA ROCK INDUSTRIES, INC. Street Address: 155 EAST 21ST STREET City: JACKSONVILLE State: FLORIDA Zip Code: 32206
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (904) 355-1781 Fax: (904) 355-0817
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative*(check here [], if so) or the responsible official (check here [X], if so) of the Title V source addressed in this application, whichever is applicable. 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> _____ <i>Fred W. Cohrs</i> Signature _____ <i>10-1-99</i> Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: Steven C. Cullen, PE Registration Number: 45188
2. Professional Engineer Mailing Address: Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th STREET City: Gainesville State: Florida 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 a Title V source air operation permit (check here [X], if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is 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 [], 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 [X], 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

10/1/1999

Date

(seal)

* Attach any exception to certification statement.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
001	Raw Material Handling and Storage	AV	0
002	Raw Mill System	AV	0
003	Kiln System	AV	0
004	Clinker Handling	AV	0
005	Finish Grinding Operations	AV	0
006	Cement Handling, Loading, and Bagging	AV	0
007	Coal Handling and Grinding	AV	0

Application Processing Fee

Check one: [] Attached - Amount: \$ _____ [] Not Applicable

Construction/Modification Information

1. Description of Proposed Project or Alterations:

Application for Title V Permit for Portland cement plant.

2. Projected or Actual Date of Commencement of Construction: **December 31, 1996**

3. Projected Date of Completion of Construction: **October 15, 1999**

Application Comment

None

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"/> Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input checked="" type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)?	
5. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
6. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
7. <input checked="" type="checkbox"/> One or More Emission Units Subject to NESHAP?	
8. <input type="checkbox"/> Title V Source by EPA Designation?	
9. Facility Regulatory Classifications Comment (limit to 200 characters): None	

List of Applicable Regulations

Title V Core List
NSPS Subparts F, Y, and OOO
NESHAP Subpart LLL

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. <u>Requested Emissions Cap</u>		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
PM	A	Not Requested	Not Requested	No Basis	None
PM10	A	Not Requested	Not Requested	No Basis	None
SO2	A	Not Requested	Not Requested	No Basis	None
NOx	A	Not Requested	Not Requested	No Basis	None
CO	A	Not Requested	Not Requested	No Basis	None
VOC	B	Not Requested	Not Requested	No Basis	None
SAM	B	Not Requested	Not Requested	No Basis	None
H021	B	Not Requested	Not Requested	No Basis	None
H106	A	Not Requested	Not Requested	No Basis	None
DIOX	B	Not Requested	Not Requested	No Basis	None

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
3. Process Flow Diagram(s): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
6. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Supplemental Requirements Comment: None

Additional Supplemental Requirements for Title V Air Operation Permit Applications

8. List of Proposed Insignificant Activities: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input checked="" type="checkbox"/> Not Applicable
10. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Risk Management Plan Verification: <input type="checkbox"/> Plan previously submitted to Chemical Emergency Preparedness and Prevention Office (CEPPO). Verification of submittal attached (Document ID: _____) or previously submitted to DEP (Date and DEP Office: _____) <input type="checkbox"/> Plan to be submitted to CEPPO (Date required: _____) <input checked="" type="checkbox"/> Not Applicable
14. Compliance Report and Plan: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Compliance Certification (Hard-copy Required): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 1 of 7 (Raw Material)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J 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
(All Emissions Units)**

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. Regulated or Unregulated Emissions Unit? (Check one)</p> <p><input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</p> <p><input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</p>			
<p>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p style="text-align: center;">Raw Material Handling and Storage</p>			
<p>4. Emissions Unit Identification Number:</p> <p>ID: 001</p>		<p><input type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p>	
<p>5. Emissions Unit Status Code: A</p>	<p>6. Initial Startup Date:</p> <p>Projected October 1999</p>	<p>7. Emissions Unit Major Group SIC Code: 32</p>	<p>8. Acid Rain Unit?</p> <p><input type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters) None</p>			

Emissions Unit Information Section 1 of 7 (Raw Material)

Emissions Unit Control Equipment

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

Dust Suppression by water sprays

2. Control Device or Method Code(s): **061**

Emissions Unit Details

1. Package Unit: **Not Applicable**

Manufacturer:

Model Number:

2. Generator Nameplate Rating: **Not Applicable** MW

3. Incinerator Information: **Not Applicable**

Dwell Temperature:

°F

Dwell Time:

seconds

Incinerator Afterburner Temperature:

°F

Emissions Unit Information Section 1 of 7 (Raw Material)

**B. EMISSIONS UNIT CAPACITY INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: Not Applicable	mmBtu/hr
2. Maximum Incineration Rate: Not Applicable lb/hr	tons/day
3. Maximum Process or Throughput Rate: 1000 TPH	
4. Maximum Production Rate: Not Applicable	
5. Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): None	

**C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

List of Applicable Regulations

NSPS Subpart OOO
NSPS Subpart F

Emissions Unit Information Section 1 of 7 (Raw Material)

**D. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? Crusher & Material Storage		2. Emission Point Type Code: 4	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Crusher and conveyors Raw Material Storage			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: None			
5. Discharge Type Code: F	6. Stack Height: Not Applicable feet	7. Exit Diameter: Not Applicable feet	
8. Exit Temperature: 77 °F	9. Actual Volumetric Flow Rate: Not Applicable acfm	10. Water Vapor: Not Applicable %	
11. Maximum Dry Standard Flow Rate: Not Applicable dscfm		12. Nonstack Emission Point Height: 0 feet	
13. Emission Point UTM Coordinates: Not Available within 0.01 Kilometer Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): None			

Emissions Unit Information Section 1 of 7 (Raw Material)

**E. SEGMENT (PROCESS/FUEL) INFORMATION
(All Emissions Units)**

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Cement Manufacturing – Dry Process: Raw Material Unloading		
2. Source Classification Code (SCC): 3-05-006-07		3. SCC Units: Tons Unloaded
4. Maximum Hourly Rate: 0	5. Maximum Annual Rate: 0	6. Estimated Annual Activity Factor: 1857120
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: Not Applicable
10. Segment Comment (limit to 200 characters): None		

Emissions Unit Information Section 1 of 7 (Raw Material)

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Cement Manufacturing – Dry Process: Primary Crushing		
2. Source Classification Code (SCC): 3-05-006-09		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 1000	5. Maximum Annual Rate: 1857120	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: Not Applicable
10. Segment Comment (limit to 200 characters): None		

Emissions Unit Information Section 1 of 7 (Raw Material)

**F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
No Emissions-Limited Pollutants			

Emissions Unit Information Section 1 of 7 (Raw Material)

Pollutant Detail Information Page _____ of _____

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units -
Emissions-Limited and Preconstruction Review Pollutants Only)**

Potential/Fugitive Emissions

1. Pollutant Emitted: Not Applicable		2. Total Percent Efficiency of Control: Not Applicable	
3. Potential Emissions: Not Applicable lb/hour		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: Not Applicable Reference:		7. Emissions Method Code: Not Applicable	
8. Calculation of Emissions (limit to 600 characters): Not Applicable			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: Not Applicable		2. Future Effective Date of Allowable Emissions: Not Applicable	
3. Requested Allowable Emissions and Units: Not Applicable		4. Equivalent Allowable Emissions: Not Applicable lb/hour tons/year	
5. Method of Compliance (limit to 60 characters): Not Applicable			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): None			

Emissions Unit Information Section 1 of 7 (Raw Material)

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: 10% Exceptional Conditions: 10% Maximum Period of Excess Opacity Allowed: 0 min/hour	
4. Method of Compliance: Method 9	
5. Visible Emissions Comment (limit to 200 characters): 40 CFR 60.62(c) 40 CFR 60.672(b)	

Visible Emissions Limitation: Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: VE15	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: 15% Exceptional Conditions: 15% Maximum Period of Excess Opacity Allowed: 0 min/hour	
4. Method of Compliance: Method 9	
5. Visible Emissions Comment (limit to 200 characters): 40 CFR 60.672(c)	

Emissions Unit Information Section 1 of 7 (Raw Material)

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: Not Subject	2. Pollutant(s): Not Subject
3. CMS Requirement: Not Subject	[] Rule [] Other
4. Monitor Information: Not Subject Manufacturer: Model Number: Serial Number:	
5. Installation Date: Not Subject	6. Performance Specification Test Date: Not Subject
7. Continuous Monitor Comment (limit to 200 characters): None	

Emissions Unit Information Section 1 of 7 (Raw Material)

**J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)**

Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
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: Will be submitted in accordance with Rule 62-297, FAC <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: None

Emissions Unit Information Section 1 of 7 (Raw Material)

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Acid Rain Part Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ <input type="checkbox"/> Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 2 of 7 (Raw Mill)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J 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
(All Emissions Units)**

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 checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>			
<p>2. Regulated or Unregulated Emissions Unit? (Check one)</p> <p><input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</p> <p><input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</p>			
<p>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p style="text-align: center;">Raw Mill System</p>			
<p>4. Emissions Unit Identification Number:</p> <p>ID: 002</p>		<p><input type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p>	
<p>5. Emissions Unit Status Code: A</p>	<p>6. Initial Startup Date:</p> <p>Projected October 1999</p>	<p>7. Emissions Unit Major Group SIC Code: 32</p>	<p>8. Acid Rain Unit?</p> <p><input type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters) None</p>			

Emissions Unit Information Section 2 of 7 (Raw Mill)

Emissions Unit Control Equipment

3. Control Equipment/Method Description (Limit to 200 characters per device or method):

Fabric Filters – High Temperature
Fabric Filters – Medium Temperature

2. Control Device or Method Code(s): **016, 017**

Emissions Unit Details

1. Package Unit: Not Applicable		
Manufacturer:		Model Number:
2. Generator Nameplate Rating: Not Applicable MW		
3. Incinerator Information: Not Applicable		
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

Emissions Unit Information Section 2 of 7 (Raw Mill)

**C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

List of Applicable Regulations

62-212.400, FAC
NSPS Subpart F
NESHAP Subpart LLL

Emissions Unit Information Section 2 of 7 (Raw Mill)

**D. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? E-28, E-29, G-07, H-08		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): E-28: Recycle Dust and Raw Meal to Homogenization Silo E-29: Recycle Dust Airlift G-07: Recycle Dust and Raw Meal to Homogenization Silo H-08: Raw Meal and Recycle Dust to Preheater			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Raw Mill and Air Heater discharge through E-21 of EU 003			
5. Discharge Type Code: V	6. Stack Height: 225 feet	7. Exit Diameter: 2.2 feet	
8. Exit Temperature: 200 °F.	9. Actual Volumetric Flow Rate: 15000 acfm	10. Water Vapor: 2%	
11. Maximum Dry Standard Flow Rate: 11800 dscfm		12. Nonstack Emission Point Height: Not Applicable feet	
13. Emission Point UTM Coordinates: Not Available within 0.01 Kilometer Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): G-07 is representative emission point with greatest emission rate.			

Emissions Unit Information Section 2 of 7 (Raw Mill)

**E. SEGMENT (PROCESS/FUEL) INFORMATION
(All Emissions Units)**

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Cement Manufacturing – Dry Process: Raw Material Grinding		
2. Source Classification Code (SCC): 3-05-006-13		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 212	5. Maximum Annual Rate: 1857120	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: Not Applicable
10. Segment Comment (limit to 200 characters): None		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): In-Process Fuel Use: Distillate Oil: General		
2. Source Classification Code (SCC): 3-90-005-89		3. SCC Units: 1000 Gallons Burned
4. Maximum Hourly Rate: 0.28	5. Maximum Annual Rate: 2486	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: 0.05	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: 141
10. Segment Comment (limit to 200 characters): None		

Emissions Unit Information Section 2 of 7 (Raw Mill)

**F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	017	None	EL
PM10	017	None	NS
SO2	None	None	EL
NOx	None	None	EL
CO	None	None	EL

Emissions Unit Information Section 2 of 7 (Raw Mill)

Pollutant Detail Information Page 1 of 4

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units -
Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: PM		2. Total Percent Efficiency of Control: 99%	
3. Potential Emissions: 2.29 lb/hour 10.0 tons/year		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.01 gr/dscf Reference: BACT		7. Emissions Method Code: 0	
8. Calculation of Emissions (limit to 600 characters): 0.01 gr/dscf x 26680 dscfm x 60 min/hr x 1 lb/7000 gr = 2.29 lb/hour @ 8760 hr/yr = 10.0 tons/year			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: Not Applicable	
3. Requested Allowable Emissions and Units: 0.01 gr/dscf		4. Equivalent Allowable Emissions: 2.29 lb/hour 10.0 tons/year	
5. Method of Compliance (limit to 60 characters): Method 9			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC			

Emissions Unit Information Section 2 of 7 (Raw Mill)

Pollutant Detail Information Page 2 of 4

Potential/Fugitive Emissions

1. Pollutant Emitted: SO2		2. Total Percent Efficiency of Control: Not Applicable	
3. Potential Emissions: 2.02 lb/hour 8.8 tons/year		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.05 %S Reference: BACT		7. Emissions Method Code: 0	
8. Calculation of Emissions (limit to 600 characters): 0.05 %S x 280 gal/hr x 7.2 lb/gal x 2 SO2/S = 2.02 lb/hour @ 8760 hr/yr = 8.8 tons/year			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: Not Applicable	
3. Requested Allowable Emissions and Units: 0.05 %S		4. Equivalent Allowable Emissions: 2.02 lb/hour 8.8 tons/year	
5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC			

Emissions Unit Information Section 2 of 7 (Raw Mill)

Pollutant Detail Information Page 3 of 4

Potential/Fugitive Emissions

1. Pollutant Emitted: NOx		2. Total Percent Efficiency of Control: Not Applicable	
3. Potential Emissions: 5.60 lb/hour 24.5 tons/year		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 20 lb/1000 gal Reference: AP-42 Table 1.3-2		7. Emissions Method Code: 4	
8. Calculation of Emissions (limit to 600 characters): 20 lb/1000 gal x 280 gal/hr = 5.60 lb/hour @ 8760 hr/yr = 24.5 tons/year			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: Not Applicable	
3. Requested Allowable Emissions and Units: 20 lb/1000 gal		4. Equivalent Allowable Emissions: 5.60 lb/hour 24.5 tons/year	
5. Method of Compliance (limit to 60 characters): CEM – See EU 003			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC			

Emissions Unit Information Section 2 of 7 (Raw Mill)

Pollutant Detail Information Page 4 of 4

Potential/Fugitive Emissions

1. Pollutant Emitted: CO		2. Total Percent Efficiency of Control: Not Applicable	
3. Potential Emissions: 1.40 lb/hour 6.1 tons/year		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 5 lb/1000 gal Reference: AP-42 Table 1.3-2		7. Emissions Method Code: 4	
8. Calculation of Emissions (limit to 600 characters): 5 lb/1000 gal x 280 gal/hr = 1.40 lb/hour @ 8760 hr/yr = 6.1 tons/year			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: Not Applicable	
3. Requested Allowable Emissions and Units: 5 lb/1000 gal		4. Equivalent Allowable Emissions: 1.40 lb/hour 6.1 tons/year	
5. Method of Compliance (limit to 60 characters): Method 10			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC			

Emissions Unit Information Section 2 of 7 (Raw Mill)

H. VISIBLE EMISSIONS INFORMATION
(Only Regulated Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 5% Exceptional Conditions: 5% Maximum Period of Excess Opacity Allowed: 0 min/hour	
4. Method of Compliance: Method 9	
5. Visible Emissions Comment (limit to 200 characters): 62-212.400, FAC	

Emissions Unit Information Section 2 of 7 (Raw Mill)

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: Not Subject	2. Pollutant(s): Not Subject
3. CMS Requirement: Not Subject	[] Rule [] Other
4. Monitor Information: Not Subject Manufacturer: Model Number: Serial Number:	
5. Installation Date: Not Subject	6. Performance Specification Test Date: Not Subject
7. Continuous Monitor Comment (limit to 200 characters): None	

Emissions Unit Information Section 2 of 7 (Raw Mill)

J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested Will be submitted with compliance test report
5. Compliance Test Report: Will be submitted in accordance with Rule 62-297, FAC <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: None

Emissions Unit Information Section 2 of 7 (Raw Mill)

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Acid Rain Part Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ <input type="checkbox"/> Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 3 of 7 (Kiln System)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J 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
(All Emissions Units)**

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. Regulated or Unregulated Emissions Unit? (Check one)			
<input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.			
<input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.			
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Kiln System			
4. Emissions Unit Identification Number: ID: 003		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown	
5. Emissions Unit Status Code: A	6. Initial Startup Date: Projected October 1999	7. Emissions Unit Major Group SIC Code: 32	8. Acid Rain Unit? <input type="checkbox"/>
9. Emissions Unit Comment: (Limit to 500 Characters) None			

Emissions Unit Information Section 3 of 7 (Kiln System)

Emissions Unit Control Equipment

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

Electrostatic Precipitator – High Efficiency

2. Control Device or Method Code(s): **010**

Emissions Unit Details

1. Package Unit: **Not Applicable**

Manufacturer:

Model Number:

2. Generator Nameplate Rating: **Not Applicable** MW

3. Incinerator Information: **Not Applicable**

Dwell Temperature:

°F

Dwell Time:

seconds

Incinerator Afterburner Temperature:

°F

Emissions Unit Information Section 3 of 7 (Kiln System)

**B. EMISSIONS UNIT CAPACITY INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	364 mmBtu/hr
2. Maximum Incineration Rate: Not Applicable	lb/hr tons/day
3. Maximum Process or Throughput Rate: 149.9 TPH Preheater Dry Feed Rate	
4. Maximum Production Rate: 95.8 TPH Clinker Production	
5. Requested Maximum Operating Schedule:	
	24 hours/day 7 days/week
	52 weeks/year 8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): None	

Emissions Unit Information Section 3 of 7 (Kiln System)

**C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

List of Applicable Regulations

62-212.400, FAC
NSPS Subpart F
NESHAP Subpart LLL

Emissions Unit Information Section 3 of 7 (Kiln System)

**D. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? E-21		2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): E-21: Main Stack			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: EU 002: Raw Mill and Air Heater discharge through E-21			
5. Discharge Type Code: V	6. Stack Height: 250 feet	7. Exit Diameter: 9.42 feet	
8. Exit Temperature: 356 °F	9. Actual Volumetric Flow Rate: 200000 acfm	10. Water Vapor: 6%	
11. Maximum Dry Standard Flow Rate: 144000 dscfm		12. Nonstack Emission Point Height: Not Applicable feet	
13. Emission Point UTM Coordinates: Not Available within 0.01 Kilometer Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): None			

Emissions Unit Information Section 3 of 7 (Kiln System)

**E. SEGMENT (PROCESS/FUEL) INFORMATION
(All Emissions Units)**

Segment Description and Rate: Segment 1 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Cement Manufacturing – Dry Process: Preheater/Precalciner Kiln		
2. Source Classification Code (SCC): 3-05-006-23		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 149.9	5. Maximum Annual Rate: 1114350	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: Not Applicable
10. Segment Comment (limit to 200 characters): None		

Segment Description and Rate: Segment 2 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Cement Manufacturing – Dry Process: Preheater/Precalciner Kiln		
2. Source Classification Code (SCC): 3-05-006-23		3. SCC Units: Tons Clinker
4. Maximum Hourly Rate: 95.8	5. Maximum Annual Rate: 712500	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: Not Applicable
10. Segment Comment (limit to 200 characters): None		

Emissions Unit Information Section 3 of 7 (Kiln System)

Segment Description and Rate: Segment 3 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters): In-Process Fuel Use: Distillate Oil: Cement Kiln		
2. Source Classification Code (SCC): 3-90-005-02		3. SCC Units: 1000 Gallons Burned
4. Maximum Hourly Rate: 0	5. Maximum Annual Rate: 0	6. Estimated Annual Activity Factor: 125
7. Maximum % Sulfur: 0.05	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: 141
10. Segment Comment (limit to 200 characters): None		

Segment Description and Rate: Segment 4 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters): In-Process Fuel Use: Bituminous Coal: Cement Kiln		
2. Source Classification Code (SCC): 3-90-002-01		3. SCC Units: Tons Burned
4. Maximum Hourly Rate: 14.0	5. Maximum Annual Rate: 122640	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: 1.25	8. Maximum % Ash: 10	9. Million Btu per SCC Unit: 26
10. Segment Comment (limit to 200 characters): None		

Emissions Unit Information Section 3 of 7 (Kiln System)

Segment Description and Rate: Segment 5 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters): In-Process Fuel Use: Tires		
2. Source Classification Code (SCC): 3-90-012-99		3. SCC Units: Tons Burned
4. Maximum Hourly Rate: 4.2	5. Maximum Annual Rate: 36792	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: 26
10. Segment Comment (limit to 200 characters): None		

Emissions Unit Information Section 3 of 7 (Kiln System)

**F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	010	None	EL
PM10	010	None	EL
SO2	None	None	EL
NOx	None	None	EL
CO	None	None	EL
VOC	None	None	EL
SAM	None	None	EL
H021	None	None	EL
H106	None	None	NS
DIOX	None	None	EL

Emissions Unit Information Section 3 of 7 (Kiln System)

Pollutant Detail Information Page 1 of 9

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units -
Emissions-Limited and Preconstruction Review Pollutants Only)**

Potential/Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Percent Efficiency of Control: 99%
3. Potential Emissions: 30.0 lb/hour 110.5 tons/year	4. Synthetically Limited? [<input type="checkbox"/>]
5. Range of Estimated Fugitive Emissions: Not Applicable [<input type="checkbox"/>] 1 [<input type="checkbox"/>] 2 [<input type="checkbox"/>] 3 _____ to _____ tons/year	
6. Emission Factor: 0.20 lb/ton dry feed Reference: BACT	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): 0.20 lb/ton x 149.9 tons/hr = 30.0 lb/hour @ 1114350 tons/yr = 110.5 tons/year	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: Not Applicable
3. Requested Allowable Emissions and Units: 0.20 lb/ton dry feed	4. Equivalent Allowable Emissions: 30.0 lb/hour 110.5 tons/year
5. Method of Compliance (limit to 60 characters): Method 5	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC	

Emissions Unit Information Section 3 of 7 (Kiln System)

Pollutant Detail Information Page 2 of 9

Potential/Fugitive Emissions

1. Pollutant Emitted: PM10		2. Total Percent Efficiency of Control: 99%	
3. Potential Emissions: 25.50 lb/hour 93.93 tons/year		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.17 lb/ton dry feed Reference: BACT		7. Emissions Method Code: 0	
8. Calculation of Emissions (limit to 600 characters): 0.17 lb/ton x 149.9 tons/hr = 25.50 lb/hour @ 1114350 tons/yr = 93.93 tons/year			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: Not Applicable	
3. Requested Allowable Emissions and Units: 0.17 lb/ton dry feed		4. Equivalent Allowable Emissions: 25.50 lb/hour 93.93 tons/year	
5. Method of Compliance (limit to 60 characters): Method 5			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC			

Emissions Unit Information Section 3 of 7 (Kiln System)

Pollutant Detail Information Page 3 of 9

Potential/Fugitive Emissions

1. Pollutant Emitted: SO2	2. Total Percent Efficiency of Control: Not Applicable
3. Potential Emissions: 26.82 lb/hour 99.8 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.28 lb/ton clinker Reference: BACT	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): 0.28 lb/ton x 95.83 tons/hour = 26.82 lb/hour @ 712500 tons/yr = 99.8 tons/year	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: Not Applicable
4. Requested Allowable Emissions and Units: 0.28 lb/ton clinker	4. Equivalent Allowable Emissions: 26.82 lb/hour 99.8 tons/year
5. Method of Compliance (limit to 60 characters): CEM	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC	

Emissions Unit Information Section 3 of 7 (Kiln System)

Pollutant Detail Information Page 4 of 9

Potential/Fugitive Emissions

1. Pollutant Emitted: NOx	2. Total Percent Efficiency of Control: Not Applicable
3. Potential Emissions: 268.32 lb/hour 997.5 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 2.8 lb/ton Clinker Reference: BACT	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): 2.8 lb/ton x 95.83 tons/hour = 268.32 lb/hour @ 712500 tons/yr = 997.5 tons/year	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: Not Applicable
3. Requested Allowable Emissions and Units: 3.8 lb/ton Clinker	4. Equivalent Allowable Emissions: 364.15 lb/hour 1353.8 tons/year
5. Method of Compliance (limit to 60 characters): CEM	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): During the first two years after startup.	

Emissions Unit Information Section 3 of 7 (Kiln System)

Pollutant Detail Information Page 5 of 9

Potential/Fugitive Emissions

1. Pollutant Emitted: CO		2. Total Percent Efficiency of Control: Not Applicable	
3. Potential Emissions: 345.0 lb/hour		4. Synthetically Limited? []	
		1282.5 tons/year	
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 3.6 lb/ton Clinker Reference: BACT		7. Emissions Method Code: 0	
8. Calculation of Emissions (limit to 600 characters): 3.6 lb/ton x 95.83 tons/hour = 345.0 lb/hour @ 712500 tons/yr = 1282.5 tons/year			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: Not Applicable	
3. Requested Allowable Emissions and Units: 3.6 lb/ton Clinker		4. Equivalent Allowable Emissions: 345.0 lb/hour 1282.5 tons/year	
5. Method of Compliance (limit to 60 characters): Method 10			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC			

Emissions Unit Information Section 3 of 7 (Kiln System)

Pollutant Detail Information Page 6 of 9

Potential/Fugitive Emissions

1. Pollutant Emitted: VOC		2. Total Percent Efficiency of Control: Not Applicable	
3. Potential Emissions: 11.50 lb/hour 42.8 tons/year		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.12 lb/ton Clinker Reference: BACT		7. Emissions Method Code: 0	
8. Calculation of Emissions (limit to 600 characters): 0.12 lb/ton x 95.83 tons/hour = 11.50 lb/hour @ 712500 tons/yr = 42.8 tons/year			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: Not Applicable	
3. Requested Allowable Emissions and Units: 0.12 lb/ton Clinker		4. Equivalent Allowable Emissions: 11.50 lb/hour 42.8 tons/year	
5. Method of Compliance (limit to 60 characters): Method 25			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC			

Emissions Unit Information Section 3 of 7 (Kiln System)

Pollutant Detail Information Page 7 of 9

Potential/Fugitive Emissions

1. Pollutant Emitted: SAM	2. Total Percent Efficiency of Control: Not Applicable
3. Potential Emissions: 8.24 lb/hour 30.6 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.086 lb/ton Clinker Reference: AP-42 Table 11.6-9	7. Emissions Method Code: 3
8. Calculation of Emissions (limit to 600 characters): 0.086 lb/ton x 95.83 tons/hour = 8.24 lb/hour @ 712500 tons/yr = 30.6 tons/year	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: After Stack testing
3. Requested Allowable Emissions and Units: To Be Determined By Stack Tests	4. Equivalent Allowable Emissions: To Be Determined By Stack Tests
5. Method of Compliance (limit to 60 characters): Method 8	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC	

Emissions Unit Information Section 3 of 7 (Kiln System)

Pollutant Detail Information Page 8 of 9

Potential/Fugitive Emissions

1. Pollutant Emitted: H021	2. Total Percent Efficiency of Control: Not Applicable
3. Potential Emissions: 0.00006 lb/hour 0.0002 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.0000066 lb/ton Clinker Reference: AP-42 Table 11.6-9	7. Emissions Method Code: 3
8. Calculation of Emissions (limit to 600 characters): 0.0000066 lb/ton x 95.83 tons/hour = 0.00006 lb/hour @ 712500 tons/yr = 0.0002 tons/year	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: After Stack testing
3. Requested Allowable Emissions and Units: To Be Determined By Stack Tests	4. Equivalent Allowable Emissions: To Be Determined By Stack Tests
5. Method of Compliance (limit to 60 characters): Method 104	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC	

Emissions Unit Information Section 3 of 7 (Kiln System)

Pollutant Detail Information Page 9 of 9

Potential/Fugitive Emissions

1. Pollutant Emitted: DIOX		2. Total Percent Efficiency of Control: Not Applicable	
3. Potential Emissions: 0.0000002 lb/hour 0.0000009 tons/year		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 1.7×10^{-10} gr/dscf TEQ Reference: MACT		7. Emissions Method Code: 0	
8. Calculation of Emissions (limit to 600 characters): 1.7×10^{-10} gr/dscf x 144000 dscfm x 60 min/hour x 1.0 lb/7000 gr = 0.0000002 lb/hour @ 8760 hours/yr = 0.0000009 tons/year			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: 6/14/2002	
3. Requested Allowable Emissions and Units: 1.7×10^{-10} gr/dscf TEQ		4. Equivalent Allowable Emissions: 0.0000002 lb/hour 0.0000009 tons/year	
5. Method of Compliance (limit to 60 characters): Method 23			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): NESHAP Subpart LLL			

Emissions Unit Information Section 3 of 7 (Kiln System)

H. VISIBLE EMISSIONS INFORMATION
(Only Regulated Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 10% Exceptional Conditions: 10% Maximum Period of Excess Opacity Allowed: 0 min/hour	
4. Method of Compliance: Method 9	
6. Visible Emissions Comment (limit to 200 characters): 62-212.400, FAC	

Emissions Unit Information Section 3 of 7 (Kiln System)

J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements

1. Process Flow Diagram [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested Submitted to Department within previous five years
2. Fuel Analysis or Specification [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested Submitted to Department within previous five years
3. Detailed Description of Control Equipment [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested Submitted to Department within previous five years
4. Description of Stack Sampling Facilities [] Attached, Document ID: _____ [] Not Applicable [X] Waiver Requested Will be submitted with compliance test report
5. Compliance Test Report: Will be submitted in accordance with Rule 62-297, FAC [] Attached, Document ID: _____ [] Previously submitted, Date: _____ [] 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: None

Emissions Unit Information Section 3 of 7 (Kiln System)

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Acid Rain Part Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ <input type="checkbox"/> Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 4 of 7 (Clinker Handling)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J 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
(All Emissions Units)**

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)			
<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).			
<input checked="" 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. Regulated or Unregulated Emissions Unit? (Check one)			
<input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.			
<input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.			
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Clinker Handling			
4. Emissions Unit Identification Number: ID: 004		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown	
5. Emissions Unit Status Code: A	6. Initial Startup Date: Projected October 1999	7. Emissions Unit Major Group SIC Code: 32	8. Acid Rain Unit? <input type="checkbox"/>
9. Emissions Unit Comment: (Limit to 500 Characters) None			

Emissions Unit Information Section 4 of 7 (Clinker Handling)

Emissions Unit Control Equipment

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

**Electrostatic Precipitator – High Efficiency
Fabric Filters – High Temperature**

2. Control Device or Method Code(s): **010, 016**

Emissions Unit Details

1. Package Unit: Not Applicable		
Manufacturer:		Model Number:
2. Generator Nameplate Rating: Not Applicable MW		
3. Incinerator Information: Not Applicable		
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

Emissions Unit Information Section 4 of 7 (Clinker Handling)

**B. EMISSIONS UNIT CAPACITY INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: Not Applicable	mmBtu/hr
2. Maximum Incineration Rate: Not Applicable lb/hr	tons/day
3. Maximum Process or Throughput Rate: 95.83 TPH	
4. Maximum Production Rate: Not Applicable	
5. Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): None	

Emissions Unit Information Section 4 of 7 (Clinker Handling)

**C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

List of Applicable Regulations

62-212.400, FAC
NSPS Subpart F
NESHAP Subpart LLL

Emissions Unit Information Section 4 of 7 (Clinker Handling)

**D. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? K-15, L-03, L-06		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): K-15: Clinker Cooler Stack L-03: Clinker Transport L-06: Clinker Silos			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable			
5. Discharge Type Code: V	6. Stack Height: 115 feet	7. Exit Diameter: 9 feet	
8. Exit Temperature: 480 °F	9. Actual Volumetric Flow Rate: 160000 acfm	10. Water Vapor: Not Applicable %	
11. Maximum Dry Standard Flow Rate: Not Applicable dscfm		12. Nonstack Emission Point Height: Not Applicable feet	
13. Emission Point UTM Coordinates: Not Available within 0.01 Kilometer Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): K-15 is representative emission point with greatest emission rate.			

Emissions Unit Information Section 4 of 7 (Clinker Handling)

**E. SEGMENT (PROCESS/FUEL) INFORMATION
(All Emissions Units)**

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Cement Manufacturing – Dry Process: Clinker Cooler		
2. Source Classification Code (SCC): 3-05-006-14		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 95.83	5. Maximum Annual Rate: 712500	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: Not Applicable
10. Segment Comment (limit to 200 characters): None		

Emissions Unit Information Section 4 of 7 (Clinker Handling)

**F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	010, 016	None	EL
PM10	010, 016	None	EL

Emissions Unit Information Section 4 of 7 (Clinker Handling)

Pollutant Detail Information Page 1 of 2

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units -
Emissions-Limited and Preconstruction Review Pollutants Only)**

Potential/Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Percent Efficiency of Control: 99%
3. Potential Emissions: 15.4 lb/hour 57.5 tons/year	4. Synthetically Limited? <input type="checkbox"/>
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factors: 0.10 lb/ton dry feed & 0.01 gr/dscf Reference: BACT	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): ESP 0.10 lb/ton x 149.9 tons/hr = 14.99 lb/hour @ 1114350 tons/yr = 55.7 tons/year Baghouses 0.01 gr/dscf x 4766 dscfm x 60 min/hr x 1 lb/7000 gr = 0.41 lb/hour @ 8760 hours/year = 1.8 tons/year	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: Not Applicable
3. Requested Allowable Emissions and Units: 0.10 lb/ton dry feed & 0.01 gr/dscf	4. Equivalent Allowable Emissions: 15.4 lb/hour 57.5 tons/year
5. Method of Compliance (limit to 60 characters): Method 5	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC	

Emissions Unit Information Section 4 of 7 (Clinker Handling)

Pollutant Detail Information Page 2 of 2

Potential/Fugitive Emissions

1. Pollutant Emitted: PM10	2. Total Percent Efficiency of Control: 99%
3. Potential Emissions: 12.71 lb/hour 47.3 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.085 lb/ton dry feed Reference: BACT	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): ESP 0.085 lb/ton x 149.9 tons/hr = 12.71 lb/hour @ 1114350 tons/yr = 47.3 tons/year	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: Not Applicable
3. Requested Allowable Emissions and Units: 0.085 lb/ton dry feed	4. Equivalent Allowable Emissions: 12.71 lb/hour 47.3 tons/year
5. Method of Compliance (limit to 60 characters): Method 5	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC	

Emissions Unit Information Section 4 of 7 (Clinker Handling)

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype: VE05	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 5% Exceptional Conditions: 5% Maximum Period of Excess Opacity Allowed: 0 min/hour	
4. Method of Compliance: Method 9	
5. Visible Emissions Comment (limit to 200 characters): 62-212.400, FAC Baghouses	

Visible Emissions Limitation: Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 10% Exceptional Conditions: 10% Maximum Period of Excess Opacity Allowed: 0 min/hour	
4. Method of Compliance: Method 9	
5. Visible Emissions Comment (limit to 200 characters): 62-212.400, FAC ESP	

Emissions Unit Information Section 4 of 7 (Clinker Handling)

J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
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 Submitted to Department within previous five years
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested Will be submitted with compliance test report
5. Compliance Test Report: Will be submitted in accordance with Rule 62-297, FAC <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: None

Emissions Unit Information Section 4 of 7 (Clinker Handling)

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Acid Rain Part Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ <input type="checkbox"/> Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J 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
(All Emissions Units)**

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 checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>			
<p>2. Regulated or Unregulated Emissions Unit? (Check one)</p> <p><input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</p> <p><input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</p>			
<p>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p style="text-align: center;">Finish Grinding Operations</p>			
<p>4. Emissions Unit Identification Number:</p> <p>ID: 005</p>		<p><input type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p>	
<p>5. Emissions Unit Status Code: A</p>	<p>6. Initial Startup Date:</p> <p>Projected October 1999</p>	<p>7. Emissions Unit Major Group SIC Code: 32</p>	<p>8. Acid Rain Unit?</p> <p><input type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters) None</p>			

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

Emissions Unit Control Equipment

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

Fabric Filters – Medium Temperature
Fabric Filters – Low Temperature

2. Control Device or Method Code(s): **017, 018**

Emissions Unit Details

1. Package Unit: **Not Applicable**

Manufacturer:

Model Number:

2. Generator Nameplate Rating: **Not Applicable** MW

3. Incinerator Information: **Not Applicable**

Dwell Temperature:

°F

Dwell Time:

seconds

Incinerator Afterburner Temperature:

°F

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

**B. EMISSIONS UNIT CAPACITY INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: Not Applicable	mmBtu/hr
2. Maximum Incineration Rate: Not Applicable lb/hr	tons/day
3. Maximum Process or Throughput Rate: Not Applicable	
4. Maximum Production Rate: 136 TPH	
5. Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): None	

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

**C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

List of Applicable Regulations

62-212.400, FAC
NSPS Subpart F
NESHAP Subpart LLL

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

D. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? M-07, M-08, N-09, N-12, N-14, Q-25, Q-26, Q-27		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): M-07: Clinker to finish mill M-08: Clinker to finish mill N-09: Finish mill separator N-12: Finish mill N-14: Cement handling in finish mill Q-25, Q-26, Q-27: Cement storage silos			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable			
5. Discharge Type Code: V	6. Stack Height: 123 feet	7. Exit Diameter: 3.1 feet	
8. Exit Temperature: 210 °F	9. Actual Volumetric Flow Rate: 30000 acfm	10. Water Vapor: 2 %	
11. Maximum Dry Standard Flow Rate: 23200 dscfm		12. Nonstack Emission Point Height: Not Applicable feet	
13. Emission Point UTM Coordinates: Not Available within 0.01 Kilometer Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): N-12 is representative emission point with greatest emission rate.			

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

**E. SEGMENT (PROCESS/FUEL) INFORMATION
(All Emissions Units)**

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Cement Manufacturing – Dry Process: Finish Grinding Mill		
2. Source Classification Code (SCC): 3-05-006-17		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 136	5. Maximum Annual Rate: 1191360	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: Not Applicable
10. Segment Comment (limit to 200 characters): None		

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

**F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	017, 018	None	EL
PM10	017, 018	None	NS

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

Pollutant Detail Information Page 1 of 1

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
 (Regulated Emissions Units -
 Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Percent Efficiency of Control: 99%
3. Potential Emissions: 6.20 lb/hour 27.2 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factors: 0.01 gr/dscf Reference: BACT	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): <u>Baghouses</u> 0.01 gr/dscf x 72293 dscfm x 60 min/hr x 1 lb/7000 gr = 6.20 lb/hour @ 8760 hours/year = 27.2 tons/year	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: Not Applicable
3. Requested Allowable Emissions and Units: 0.01 gr/dscf	4. Equivalent Allowable Emissions: 6.20 lb/hour 27.2 tons/year
5. Method of Compliance (limit to 60 characters): Method 5	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC	

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Allowable Opacity: [X] Rule [] Other
3. Requested Allowable Opacity: Normal Conditions: 5% Exceptional Conditions: 5% Maximum Period of Excess Opacity Allowed: 0 min/hour	
4. Method of Compliance: Method 9	
5. Visible Emissions Comment (limit to 200 characters): 62-212.400, FAC Baghouses	

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

I. CONTINUOUS MONITOR INFORMATION
(Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor ____ of ____

1. Parameter Code: Not Subject	2. Pollutant(s): Not Subject
3. CMS Requirement: Not Subject	[] Rule [] Other
4. Monitor Information: Not Subject Manufacturer: Model Number: Serial Number:	
5. Installation Date: Not Subject	6. Performance Specification Test Date: Not Subject
7. Continuous Monitor Comment (limit to 200 characters): None	

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
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 Submitted to Department within previous five years
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested Will be submitted with compliance test report
5. Compliance Test Report: Will be submitted in accordance with Rule 62-297, FAC <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: None

Emissions Unit Information Section 5 of 7 (Finish Grinding Operations)

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Acid Rain Part Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ <input type="checkbox"/> Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 6 of 7 (Cement Handling)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J 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
(All Emissions Units)**

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)			
<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).			
<input checked="" 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. Regulated or Unregulated Emissions Unit? (Check one)			
<input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.			
<input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.			
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Cement Handling, Loading, and Bagging			
4. Emissions Unit Identification Number: ID: 006		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown	
5. Emissions Unit Status Code: A	6. Initial Startup Date: Projected October 1999	7. Emissions Unit Major Group SIC Code: 32	8. Acid Rain Unit? <input type="checkbox"/>
9. Emissions Unit Comment: (Limit to 500 Characters) None			

Emissions Unit Information Section 6 of 7 (Cement Handling)

Emissions Unit Control Equipment

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

Fabric Filters – Low Temperature

2. Control Device or Method Code(s): **018**

Emissions Unit Details

1. Package Unit: **Not Applicable**

Manufacturer:

Model Number:

2. Generator Nameplate Rating: **Not Applicable** MW

3. Incinerator Information: **Not Applicable**

Dwell Temperature:

°F

Dwell Time:

seconds

Incinerator Afterburner Temperature:

°F

Emissions Unit Information Section 6 of 7 (Cement Handling)

**B. EMISSIONS UNIT CAPACITY INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: Not Applicable	mmBtu/hr
2. Maximum Incineration Rate: Not Applicable lb/hr	tons/day
3. Maximum Process or Throughput Rate: 500 TPH	
4. Maximum Production Rate: Not Applicable	
5. Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): None	

Emissions Unit Information Section 6 of 7 (Cement Handling)

**C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

List of Applicable Regulations

62-212.400, FAC
NSPS Subpart F
NESHAP Subpart LLL

Emissions Unit Information Section 6 of 7 (Cement Handling)

**D. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? Q-14, Q-17, Q-21, R-12		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Q-14, Q-17, Q-21: Cement silo loadout R-12: Cement bagging operation			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable			
5. Discharge Type Code: V	6. Stack Height: 100 feet	7. Exit Diameter: 2.0 feet	
8. Exit Temperature: 150 °F	9. Actual Volumetric Flow Rate: 12000 acfm	10. Water Vapor: 2 %	
11. Maximum Dry Standard Flow Rate: 10200 dscfm		12. Nonstack Emission Point Height: Not Applicable feet	
13. Emission Point UTM Coordinates: Not Available within 0.01 Kilometer Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): R-12 is representative emission point with greatest emission rate.			

Emissions Unit Information Section 6 of 7 (Cement Handling)

**E. SEGMENT (PROCESS/FUEL) INFORMATION
(All Emissions Units)**

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Cement Manufacturing – Dry Process: Cement Loadout		
2. Source Classification Code (SCC): 3-05-006-19		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 500	5. Maximum Annual Rate: 1191360	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: Not Applicable
10. Segment Comment (limit to 200 characters): Annual rate limited by cement production		

Emissions Unit Information Section 6 of 7 (Cement Handling)

**F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	018	None	EL
PM10	018	None	NS

Emissions Unit Information Section 6 of 7 (Cement Handling)

Pollutant Detail Information Page 1 of 1

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units -
Emissions-Limited and Preconstruction Review Pollutants Only)**

Potential/Fugitive Emissions

1. Pollutant Emitted: PM		2. Total Percent Efficiency of Control: 99%	
3. Potential Emissions: 1.53 lb/hour 6.7 tons/year		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factors: 0.01 gr/dscf Reference: BACT		7. Emissions Method Code: 0	
8. Calculation of Emissions (limit to 600 characters): <u>Baghouses</u> 0.01 gr/dscf x 17814 dscfm x 60 min/hr x 1 lb/7000 gr = 1.53 lb/hour @ 8760 hours/year = 6.7 tons/year			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE		2. Future Effective Date of Allowable Emissions: Not Applicable	
3. Requested Allowable Emissions and Units: 0.01 gr/dscf		4. Equivalent Allowable Emissions: 1.53 lb/hour 6.7 tons/year	
5. Method of Compliance (limit to 60 characters): Method 5			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC			

Emissions Unit Information Section 6 of 7 (Cement Handling)

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: 5% Exceptional Conditions: 5% Maximum Period of Excess Opacity Allowed: 0 min/hour	
4. Method of Compliance: Method 9	
5. Visible Emissions Comment (limit to 200 characters): 62-212.400, FAC Baghouses	

Emissions Unit Information Section 6 of 7 (Cement Handling)

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

Continuous Monitoring System: Continuous Monitor ____ of ____

1. Parameter Code: Not Subject	2. Pollutant(s): Not Subject
3. CMS Requirement: Not Subject	[] Rule [] Other
4. Monitor Information: Not Subject Manufacturer: Model Number: Serial Number:	
5. Installation Date: Not Subject	6. Performance Specification Test Date: Not Subject
7. Continuous Monitor Comment (limit to 200 characters): None	

Emissions Unit Information Section 6 of 7 (Cement Handling)

**J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)**

Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
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 Submitted to Department within previous five years
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested Will be submitted with compliance test report
5. Compliance Test Report: Will be submitted in accordance with Rule 62-297, FAC <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: None

Emissions Unit Information Section 6 of 7 (Cement Handling)

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Acid Rain Part Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ <input type="checkbox"/> Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 7 of 7 (Coal Handling)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J 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
(All Emissions Units)**

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)			
<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).			
<input checked="" 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. Regulated or Unregulated Emissions Unit? (Check one)			
<input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.			
<input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.			
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Coal Handling and Grinding			
4. Emissions Unit Identification Number: ID: 007		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown	
5. Emissions Unit Status Code: A	6. Initial Startup Date: Projected October 1999	7. Emissions Unit Major Group SIC Code: 32	8. Acid Rain Unit? <input type="checkbox"/>
9. Emissions Unit Comment: (Limit to 500 Characters) None			

Emissions Unit Information Section 7 of 7 (Coal Handling)

Emissions Unit Control Equipment

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

Fabric Filters -- Low Temperature

2. Control Device or Method Code(s): **018**

Emissions Unit Details

1. Package Unit: **Not Applicable**

Manufacturer:

Model Number:

2. Generator Nameplate Rating: **Not Applicable** MW

3. Incinerator Information: **Not Applicable**

Dwell Temperature:

°F

Dwell Time:

seconds

Incinerator Afterburner Temperature:

°F

Emissions Unit Information Section 7 of 7 (Coal Handling)

**B. EMISSIONS UNIT CAPACITY INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: Not Applicable	mmBtu/hr
2. Maximum Incineration Rate: Not Applicable lb/hr	tons/day
3. Maximum Process or Throughput Rate: 14 TPH	
4. Maximum Production Rate: Not Applicable	
5. Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): None	

Emissions Unit Information Section 7 of 7 (Coal Handling)

**C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

List of Applicable Regulations

62-212.400, FAC
NSPS Subpart Y
NESHAP Subpart LLL

Emissions Unit Information Section 7 of 7 (Coal Handling)

**D. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? S-17, S-21		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): S-17: Coal mill S-21: Coal bin			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable			
5. Discharge Type Code: V	6. Stack Height: 164 feet	7. Exit Diameter: 2.4 feet	
8. Exit Temperature: 150 °F	9. Actual Volumetric Flow Rate: 18000 acfm	10. Water Vapor: 6.5 %	
11. Maximum Dry Standard Flow Rate: 14600 dscfm		12. Nonstack Emission Point Height: Not Applicable feet	
13. Emission Point UTM Coordinates: Not Available within 0.01 Kilometer Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): S-17 is representative emission point with greatest emission rate.			

Emissions Unit Information Section 7 of 7 (Coal Handling)

**E. SEGMENT (PROCESS/FUEL) INFORMATION
(All Emissions Units)**

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Coal Crushing		
2. Source Classification Code (SCC): 3-05-010-10		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 14	5. Maximum Annual Rate: 122640	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable	9. Million Btu per SCC Unit: Not Applicable
10. Segment Comment (limit to 200 characters): None		

Emissions Unit Information Section 7 of 7 (Coal Handling)

**F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	018	None	EL
PM10	018	None	NS

Emissions Unit Information Section 7 of 7 (Coal Handling)

Pollutant Detail Information Page 1 of 1

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units -
Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Percent Efficiency of Control: 99%
3. Potential Emissions: 1.47 lb/hour 6.4 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: Not Applicable [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factors: 0.01 gr/dscf Reference: BACT	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): <u>Baghouses</u> 0.01 gr/dscf x 17113 dscfm x 60 min/hr x 1 lb/7000 gr = 1.47 lb/hour @ 8760 hours/year = 6.4 tons/year	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: Not Applicable
3. Requested Allowable Emissions and Units: 0.01 gr/dscf	4. Equivalent Allowable Emissions: 1.47 lb/hour 6.4 tons/year
5. Method of Compliance (limit to 60 characters): Method 5	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-212.400, FAC	

Emissions Unit Information Section 7 of 7 (Coal Handling)

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype: VE05	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 5% Exceptional Conditions: 5% Maximum Period of Excess Opacity Allowed: 0 min/hour	
4. Method of Compliance: Method 9	
5. Visible Emissions Comment (limit to 200 characters): 62-212.400, FAC Baghouses	

Visible Emissions Limitation: Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 20% Exceptional Conditions: 20% Maximum Period of Excess Opacity Allowed: 0 min/hour	
4. Method of Compliance: Method 9	
5. Visible Emissions Comment (limit to 200 characters): 40 CFR 60.252(a)(2) Coal handling	

Emissions Unit Information Section 7 of 7 (Coal Handling)

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

Continuous Monitoring System: Continuous Monitor ____ of ____

1. Parameter Code: Not Subject	2. Pollutant(s): Not Subject
3. CMS Requirement: Not Subject	[] Rule [] Other
4. Monitor Information: Not Subject Manufacturer: Model Number: Serial Number:	
5. Installation Date: Not Subject	6. Performance Specification Test Date: Not Subject
7. Continuous Monitor Comment (limit to 200 characters): None	

Emissions Unit Information Section 7 of 7 (Coal Handling)

J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Submitted to Department within previous five years
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 Submitted to Department within previous five years
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested Will be submitted with compliance test report
5. Compliance Test Report: Will be submitted in accordance with Rule 62-297, FAC <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: None

Emissions Unit Information Section 7 of 7 (Coal Handling)

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Acid Rain Part Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ <input type="checkbox"/> Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable