

# Department of Environmental Protection

Division of Air Resources Management

**RECEIVED**

## APPLICATION FOR AIR PERMIT - TITLE V SOURCE

JAN 30 2003

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

### I. APPLICATION INFORMATION

BUREAU OF AIR REGULATION

#### Identification of Facility

1. Facility Owner/Company Name: <b>Florida Rock Industries, Inc.</b>	
2. Site Name: <b>Thompson S. Baker Cement Plant – Newberry</b>	
3. Facility Identification Number: <b>0010087</b> [ ] Unknown	
4. Facility Location: Street Address or Other Locator: <b>4000 NW County Road 235</b> City: <b>Newberry</b> County: <b>Alachua</b> Zip Code: <b>32669</b>	
5. Relocatable Facility? [ ] Yes [ <b>X</b> ] No	6. Existing Permitted Facility? [ <b>X</b> ] Yes [ ] No

#### Application Contact

1. Name and Title of Application Contact: <b>Steven C. Cullen, PE</b> <b>Senior Project Engineer</b>	
2. Application Contact Mailing Address: Organization/Firm: <b>Koogler &amp; Associates</b> Street Address: <b>4014 NW 13<sup>th</sup> Street</b> City: <b>Gainesville</b> State: <b>Florida</b> Zip Code: <b>32609</b>	
3. Application Contact Telephone Numbers: Telephone: <b>(352) 377-5822</b> Fax: <b>(352) 377-7158</b>	

#### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

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

- 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: 0010087-002-AV

Reason for revision: Incorporate relevant 40 CFR 63, Subpart LLL requirements

**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: <b>Cary O. Cohrs: Vice President – Operations</b>
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: <b>Florida Rock Industries, Inc.</b> Street Address: <b>4000 NW CR 235</b> City: <b>Newberry</b> State: <b>Florida</b> Zip Code: <b>32669</b>
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: <b>(352) 472-4722</b> Fax: <b>(352) 472-2449</b>
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>  Signature: <u><i>Cary O. Cohrs</i></u> Date: <u><i>1/29/03</i></u>

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

**Professional Engineer Certification**

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

4. Professional Engineer Statement:

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


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

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

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

  
\_\_\_\_\_  
Signature  
(seal)

1/29/2003  
\_\_\_\_\_  
Date

\* Attach any exception to certification statement.

**Scope of Application**

<b>Emissions Unit ID</b>	<b>Description of Emissions Unit</b>	<b>Permit Type</b>	<b>Processing Fee</b>
001	Raw Materials Handling and Storage		N/A
002	Raw Mill System		
003	Kiln System		
004	Clinker Handling		
005	Finish Grinding Operations		
006	Cement Handling, Loading, and Bagging Operations		

**Application Processing Fee**

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

**Construction/Modification Information**

1. Description of Proposed Project or Alterations:

**This application is in accordance with Permit No. 0010087-002-AV, Section II (Facility-wide Conditions), Specific Condition 7 (Compliance Plan), Subcondition 6., which states:**

The permittee shall apply for a permit revision to this permit (and AC01-237611/PSD-FL-228, 0010087-003-AC/PSD-FL-228A if determined to be necessary by the Department) to incorporate the relevant Subpart LLL requirements and ensure compliance with those standards no later than January 31, 2003.

2. Projected or Actual Date of Commencement of Construction: N/A

3. Projected Date of Completion of Construction: N/A

**Application Comment**

**Emissions Unit 007 (EU 007 – Coal Handling) is not regulated by 40 CFR 63, Subpart LLL; and is not addressed by this application.**



**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): <b>None</b>	

**List of Applicable Regulations**

<b>Title V Core List</b>
<b>NSPS Subparts Y and OOO</b>
<b>NESHAP Subpart LLL:</b>
40 CFR 63.1340
40 CFR 63.1341
40 CFR 63.1342
40 CFR 63.1351
40 CFR 63.1353
40 CFR 63.1354
40 CFR 63.1355
40 CFR 63.1356
40 CFR 63.1357
40 CFR 63.1358
40 CFR 63.1359



## B. FACILITY POLLUTANTS

### List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
PM	A	Not Requested	Not Requested	No Basis	None
PM10	A	Not Requested	Not Requested	No Basis	None
SO2	B	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
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 type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>On file with Department</b>
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>On file with Department</b>
3. Process Flow Diagram(s): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>On file with Department</b>
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>On file with Department</b>
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>On file with Department</b>
6. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Supplemental Requirements Comment: <b>None</b>

**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 to current project
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

**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>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p><b>Raw Material Handling and Storage</b></p>			
<p>4. Emissions Unit Identification Number: ID: 001</p>		<p><input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>	
<p>5. Emissions Unit Status Code: A</p>	<p>6. Initial Startup Date: 1/1/00</p>	<p>7. Emissions Unit Major Group SIC Code: 32</p>	<p>8. Acid Rain Unit? <input type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters): None</p>			

**Emissions Unit Control Equipment**

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

None

2. Control Device or Method Code(s): N/A

**Emissions Unit Details**

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

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

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate: <b>Not Applicable</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>Not Applicable</b>	lb/hr                      tons/day
3. Maximum Process or Throughput Rate: <b>See comment</b>	
4. Maximum Production Rate: <b>Not Applicable</b>	
5. Requested Maximum Operating Schedule:	
hours/day	days/week
weeks/year	<b>8760</b> hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):	
<p><b>1,211,250 TPY Dry Feed: Air Permit No. 0010087-002-AV, Table I</b>  <b>1,331,000 TPY Dry Feed: Air Permit No. 0010087-006-AC, Table I</b></p>	

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

**List of Applicable Regulations**

**NESHAP Subpart LLL:**

- 40 CFR 63.1348
- 40 CFR 63.1349(a)
- 40 CFR 63.1349(b)(2)
- 40 CFR 63.1349(c)
- 40 CFR 63.1350(a)
- 40 CFR 63.1350(b)
- 40 CFR 63.1350(j)
- 40 CFR 63.1350(l)

**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? <b>Fugitive</b>		2. Emission Point Type Code: <b>4</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>Primary Crusher Raw Material Processing Material Handling and Storage</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:  <b>Not Applicable</b>			
5. Discharge Type Code: <b>F</b>	6. Stack Height: <b>N/A</b> feet	7. Exit Diameter: <b>N/A</b> feet	
8. Exit Temperature: <b>77 °F</b>	9. Actual Volumetric Flow Rate: <b>N/A</b> acfm	10. Water Vapor: <b>N/A</b> %	
11. Maximum Dry Standard Flow Rate: <b>N/A</b> dscfm		12. Nonstack Emission Point Height: <b>0</b> feet	
13. Emission Point UTM Coordinates: <b>Optional field – left blank</b> Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): <b>None</b>			



**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):  <b>Mineral Products: Cement Manufacturing – Dry Process: Raw Material Unloading</b>		
1. Source Classification Code (SCC): <b>3-05-006-07</b>		3. SCC Units: <b>Tons Unloaded</b>
4. Maximum Hourly Rate: <b>Not Applicable</b>	5. Maximum Annual Rate: <b>See comment</b>	6. Estimated Annual Activity Factor: <b>Not Applicable</b>
6. Maximum % Sulfur: <b>Not Applicable</b>	7. Maximum % Ash: <b>Not Applicable</b>	8. Million Btu per SCC Unit: <b>Not Applicable</b>
10. Segment Comment (limit to 200 characters):  <b>1,211,250 TPY Dry Feed: Air Permit No. 0010087-002-AV, Table I</b> <b>1,331,000 TPY Dry Feed: Air Permit No. 0010087-006-AC, Table I</b>		

**Segment Description and Rate:** Segment 2 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  <b>Mineral Products: Cement Manufacturing – Dry Process: Primary Crushing</b>		
2. Source Classification Code (SCC): <b>3-05-006-09</b>		3. SCC Units: <b>Tons Processed</b>
4. Maximum Hourly Rate: <b>Not Applicable</b>	5. Maximum Annual Rate: <b>See comment</b>	6. Estimated Annual Activity Factor: <b>Not Applicable</b>
7. Maximum % Sulfur: <b>Not Applicable</b>	8. Maximum % Ash: <b>Not Applicable</b>	9. Million Btu per SCC Unit: <b>Not Applicable</b>
10. Segment Comment (limit to 200 characters):  <b>1,211,250 TPY Dry Feed: Air Permit No. 0010087-002-AV, Table I</b> <b>1,331,000 TPY Dry Feed: Air Permit No. 0010087-006-AC, Table I</b>		



## Pollutant Detail Information

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

Potential/Fugitive Emissions

1. Pollutant Emitted: N/A	2. Total Percent Efficiency of Control:
3. Potential Emissions: lb/hour                      tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: [ ] 1      [ ] 2      [ ] 3      _____ to _____ tons/year	
6. Emission Factors: Reference:	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters):	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

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

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

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

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 3

1. Visible Emissions Subtype: <b>VE10</b>	2. Basis for Allowable Opacity: [ <input checked="" type="checkbox"/> ] Rule                      [ <input type="checkbox"/> ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>10%</b> Exceptional Conditions: <b>10%</b> Maximum Period of Excess Opacity Allowed: <b>0 min/hour</b>	
4. Method of Compliance: <b>Method 9</b>	
5. Visible Emissions Comment (limit to 200 characters):  <b>40 CFR 63.1348: The first affected source subject to this subpart is raw material storage, just prior to the raw mill.</b>	

**Visible Emissions Limitation:** Visible Emissions Limitation 2 of 3

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

**Visible Emissions Limitation:** Visible Emissions Limitation 3 of 3

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

**I. CONTINUOUS MONITOR INFORMATION****(Only Regulated Emissions Units Subject to Continuous Monitoring)****Continuous Monitoring System:** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code: <b>Not Applicable</b>	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

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

**Supplemental Requirements**

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>On file with Department</b>
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report: <b>To be provided under separate cover</b> <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 type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested <b>To be provided under separate cover</b>
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested <b>To be provided under separate cover</b>
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: <b>None</b>

**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 II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

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 checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>			
<p>2. 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><b>Raw Mill System</b></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: 1/1/00</p>	<p>7. Emissions Unit Major Group SIC Code: 32</p>	<p>8. Acid Rain Unit? <input type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters): None</p>			



**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: <b>Not Applicable</b>	
Manufacturer:	Model Number:
2. Generator Nameplate Rating: <b>Not Applicable</b> MW	
3. Incinerator Information: <b>Not Applicable</b>	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F



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

**List of Applicable Regulations**

<b>NESHAP Subpart LLL:</b>
<b>40 CFR 63.1347</b>
<b>40 CFR 63.1348</b>
<b>40 CFR 63.1349(a)</b>
<b>40 CFR 63.1349(b)(2)</b>
<b>40 CFR 63.1349(c)</b>
<b>40 CFR 63.1350(a)</b>
<b>40 CFR 63.1350(b)</b>
<b>40 CFR 63.1350(e)</b>
<b>40 CFR 63.1350(l)</b>

**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? <b>E-28, G-07, H-08</b>		2. Emission Point Type Code: <b>3</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>EP01 (E-28): Recycle Dust and Raw Meal to Homogenization Silo</b> <b>EP03 (G-07): Recycle Dust and Raw Meal to Homogenization Silo</b> <b>EP04 (H-08): Raw Meal and Recycle Dust to Preheater</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:  <b>Raw Mill and Air Heater discharge through E-21 of EU 003</b>			
5. Discharge Type Code: <b>V</b>	6. Stack Height: <b>225 feet</b>	7. Exit Diameter: <b>2.2 feet</b>	
8. Exit Temperature: <b>200 °F</b>	9. Actual Volumetric Flow Rate: <b>15000 acfm</b>	10. Water Vapor: <b>2%</b>	
11. Maximum Dry Standard Flow Rate: <b>11800 dscfm</b>		12. Nonstack Emission Point Height: <b>Not Applicable</b> feet	
13. Emission Point UTM Coordinates: <b>Optional field – left blank</b>  Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):  <b>G-07 is representative emission point with greatest emission rate.</b>			

**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):  <b>Mineral Products: Cement Manufacturing – Dry Process: Raw Material Grinding</b>		
2. Source Classification Code (SCC): <b>3-05-006-13</b>		3. SCC Units: <b>Tons Processed</b>
4. Maximum Hourly Rate: <b>See comment</b>	5. Maximum Annual Rate: <b>See comment</b>	6. Estimated Annual Activity Factor: <b>Not Applicable</b>
7. Maximum % Sulfur: <b>Not Applicable</b>	8. Maximum % Ash: <b>Not Applicable</b>	9. Million Btu per SCC Unit: <b>Not Applicable</b>
10. Segment Comment (limit to 200 characters):  <b>212 TPH: Air Permit No. 0010087-002-AV, Table I 255 TPH: Air Permit No. 0010087-006-AC, Table I</b>		

**Segment Description and Rate: Segment 2 of 2**

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

**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	016, 017	None	EL
PM10	016, 017	None	NS
SO2	None	None	EL

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

**Potential/Fugitive Emissions**

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

**Allowable Emissions** Allowable Emissions 1 of 1

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

**Potential/Fugitive Emissions**

1. Pollutant Emitted: <b>SO2</b>		2. Total Percent Efficiency of Control: <b>Not Applicable</b>	
3. Potential Emissions: <b>2.04 lb/hour</b>		4. Synthetically Limited? [ ] <b>8.9 tons/year</b>	
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: <b>0.05 %S</b> Reference: <b>BACT</b>		7. Emissions Method Code: <b>0</b>	
8. Calculation of Emissions (limit to 600 characters):  <b>0.05 %S x 283.8 gal/hr x 7.2 lb/gal x 2 SO2/S = 2.04 lb/hour</b> <b>@ 2,486,000 gal/yr = 8.9 tons/year</b>			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): <b>None</b>			

**Allowable Emissions** Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>RULE</b>		2. Future Effective Date of Allowable Emissions: <b>Not Applicable</b>	
3. Requested Allowable Emissions and Units: <b>0.05 %S</b>		4. Equivalent Allowable Emissions: <b>2.04 lb/hour</b> <b>8.9 tons/year</b>	
5. Method of Compliance (limit to 60 characters): <b>Fuel Certification by Supplier</b>			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  <b>BACT</b>			



**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: <b>VE05</b>	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>5%</b> Exceptional Conditions: <b>5%</b> Maximum Period of Excess Opacity Allowed: <b>0 min/hour</b>	
4. Method of Compliance: <b>Method 9</b>	
5. Visible Emissions Comment (limit to 200 characters):  <b>BACT: 62-212.400, FAC. This limitation is more stringent than the NESHAP.</b>	

**Visible Emissions Limitation:** Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: <b>VE10</b>	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>10%</b> Exceptional Conditions: <b>10%</b> Maximum Period of Excess Opacity Allowed: <b>0 min/hour</b>	
4. Method of Compliance: <b>Method 9</b>	
5. Visible Emissions Comment (limit to 200 characters):  <b>40 CFR 63.1347: Mill sweep or air separator air pollution control devices</b> <b>40 CFR 63.1348: Affected sources other than raw mill</b>	

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

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

1. Parameter Code: <b>Not Applicable</b>	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

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

**Supplemental Requirements**

<p>1. Process Flow Diagram  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested</p>
<p>3. Detailed Description of Control Equipment  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>5. Compliance Test Report: <b>To be provided under separate cover</b>  <input type="checkbox"/> Attached, Document ID: _____  <input type="checkbox"/> Previously submitted, Date: _____  <input type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested  <b>To be provided under separate cover</b></p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested  <b>To be provided under separate cover</b></p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>10. Supplemental Requirements Comment: <b>None</b></p>

**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 II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

### 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)			
[ X ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).			
[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.			
[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.			
2. Regulated or Unregulated Emissions Unit? (Check one)			
[ X ] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.			
[ ] 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): <b>Kiln System</b>			
4. Emissions Unit Identification Number: ID: 003		[ ] No ID [ ] ID Unknown	
5. Emissions Unit Status Code: A	6. Initial Startup Date: 1/1/00	7. Emissions Unit Major Group SIC Code: 32	8. Acid Rain Unit? [ ]
9. Emissions Unit Comment: (Limit to 500 Characters): <b>None</b>			

**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

**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: <b>Not Applicable</b>	lb/hr tons/day
3. Maximum Process or Throughput Rate: <b>See comment</b>	
4. Maximum Production Rate: <b>See comment</b>	
5. Requested Maximum Operating Schedule:	
hours/day	days/week
weeks/year	<b>8760 hours/year</b>
6. Operating Capacity/Schedule Comment (limit to 200 characters):	
<p><b><u>Preheater Feed Rate</u></b>  <b>149.9 TPH: Air Permit No. 0010087-002-AV, Specific Condition C.1.</b>  <b>191.4 TPH: Air Permit No. 0010087-006-AC, Specific Condition 1.</b></p> <p><b><u>Clinker Production Rate</u></b>  <b>95.8 TPH: Air Permit No. 0010087-002-AV, Specific Condition C.2.</b>  <b>115.0 TPH: Air Permit No. 0010087-006-AC, Specific Condition 1.</b></p>	

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

**List of Applicable Regulations**

**NESHAP Subpart LLL:**

- 40 CFR 63.1343(a)
- 40 CFR 63.1343(b)
- 40 CFR 63.1344(a)
- 40 CFR 63.1344(b)
- 40 CFR 63.1349(a)
- 40 CFR 63.1349(b)(1)
- 40 CFR 63.1349(b)(3)
- 40 CFR 63.1349(c)
- 40 CFR 63.1349(d)
- 40 CFR 63.1349(e)
- 40 CFR 63.1350(a)
- 40 CFR 63.1350(b)
- 40 CFR 63.1350(c)(1)
- 40 CFR 63.1350(c)(3)
- 40 CFR 63.1350(f)
- 40 CFR 63.1350(i)
- 40 CFR 63.1350(k)
- 40 CFR 63.1350(l)
- 40 CFR 63.1352



**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? <b>E-21</b>		2. Emission Point Type Code: <b>1</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>E-21: Main Stack</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:  <b>EU 002: Raw Mill and Air Heater discharge through E-21</b>			
5. Discharge Type Code: <b>V</b>	6. Stack Height: <b>250 feet</b>	7. Exit Diameter: <b>9.42 feet</b>	
8. Exit Temperature: <b>215 °F</b>	9. Actual Volumetric Flow Rate: <b>225000 acfm</b>	10. Water Vapor: <b>15%</b>	
11. Maximum Dry Standard Flow Rate: <b>150000 dscfm</b>		12. Nonstack Emission Point Height: <b>Not Applicable</b> feet	
13. Emission Point UTM Coordinates: <b>Optional field left blank</b> Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):  <b>Fields 8-12 are with kiln and raw mill operating; normal conditions.</b>			

**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):  <b>Mineral Products: Cement Manufacturing – Dry Process: Preheater/Precalciner Kiln</b>		
2. Source Classification Code (SCC): <b>3-05-006-23</b>	3. SCC Units: <b>Tons Processed</b>	
4. Maximum Hourly Rate: <b>See comment</b>	5. Maximum Annual Rate: <b>See comment</b>	6. Estimated Annual Activity Factor: <b>Not Applicable</b>
7. Maximum % Sulfur: <b>Not Applicable</b>	8. Maximum % Ash: <b>Not Applicable</b>	9. Million Btu per SCC Unit: <b>Not Applicable</b>
10. Segment Comment (limit to 200 characters):  <b><u>Preheater Feed Rate</u></b> <b>149.9 TPH/1,114,350 TPY: Air Permit No. 0010087-002-AV, Specific Condition C.1.</b> <b>191.4 TPH/1,331,000 TPY: Air Permit No. 0010087-006-AC, Specific Condition 1.</b>		

**Segment Description and Rate: Segment 2 of 5**

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  <b>Mineral Products: Cement Manufacturing – Dry Process: Preheater/Precalciner Kiln</b>		
2. Source Classification Code (SCC): <b>3-05-006-23</b>	3. SCC Units: <b>Tons Clinker</b>	
4. Maximum Hourly Rate: <b>See comment</b>	5. Maximum Annual Rate: <b>See comment</b>	6. Estimated Annual Activity Factor: <b>Not Applicable</b>
7. Maximum % Sulfur: <b>Not Applicable</b>	8. Maximum % Ash: <b>Not Applicable</b>	9. Million Btu per SCC Unit: <b>Not Applicable</b>
10. Segment Comment (limit to 200 characters):  <b><u>Clinker Production Rate</u></b> <b>95.8 TPH/712,500 TPY: Air Permit No. 0010087-002-AV, Specific Condition C.1.</b> <b>115.0 TPH/800,000 TPY: Air Permit No. 0010087-006-AC, Specific Condition 1.</b>		

**Segment Description and Rate: Segment 3 of 5**

1. Segment Description (Process/Fuel Type) (limit to 500 characters): <b>In-Process Fuel Use: Distillate Oil: Cement Kiln</b>		
2. Source Classification Code (SCC): <b>3-90-005-02</b>		3. SCC Units: <b>1000 Gallons Burned</b>
4. Maximum Hourly Rate: <b>Not Applicable</b>	5. Maximum Annual Rate: <b>Not Applicable</b>	6. Estimated Annual Activity Factor: <b>125</b>
7. Maximum % Sulfur: <b>0.05</b>	8. Maximum % Ash: <b>Not Applicable</b>	9. Million Btu per SCC Unit: <b>141</b>
10. Segment Comment (limit to 200 characters): <b>For kiln startup</b>		

**Segment Description and Rate: Segment 4 of 5**

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

**Segment Description and Rate: Segment 5 of 5**

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

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

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

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

**Potential/Fugitive Emissions**

1. Pollutant Emitted: <b>PM</b>		2. Total Percent Efficiency of Control: <b>99%</b>	
3. Potential Emissions: <b>30.00 lb/hour</b> <b>110.50 tons/year</b>		4. Synthetically Limited? [ ]	
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1      [ ] 2      [ ] 3      to      tons/year			
6. Emission Factor: <b>0.20 lb/ton dry feed</b> Reference: <b>Permit No. 0010087-002-AV, Table II</b>		7. Emissions Method Code: <b>0</b>	
8. Calculation of Emissions (limit to 600 characters):  <b>0.20 lb/ton x 149.9 tons/hr = 30.00 lb/hour</b> <b>@ 1,114,350 tons/yr = 111.4 tons/year</b>			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  <b>Emission rates are decreased to 0.14 lb/ton, 25.9 lb/hour and 94 tons/year by Permit No. 0010087-006-AC, Table II.</b>			

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

1. Basis for Allowable Emissions Code: <b>RULE</b>		2. Future Effective Date of Allowable Emissions: <b>Not Applicable</b>	
3. Requested Allowable Emissions and Units: <b>0.20 lb/ton dry feed</b>		4. Equivalent Allowable Emissions: <b>30.00 lb/hour</b> <b>110.50 tons/year</b>	
5. Method of Compliance (limit to 60 characters): <b>Method 5</b>			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  <b>Emission rates are decreased to 0.14 lb/ton, 25.9 lb/hour and 94 tons/year by Permit No. 0010087-006-AC, Table II.</b>			

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: <b>Not Applicable</b> [ ] 1            [ ] 2            [ ] 3                      to                      tons/year	
6. Emission Factor: <b>0.17 lb/ton dry feed</b> Reference: <b>Permit No. 0010087-002-AV, Table II</b>	7. Emissions Method Code: <b>0</b>
8. Calculation of Emissions (limit to 600 characters):  <b>0.17 lb/ton x 149.9 tons/hr = 25.5 lb/hour</b> <b>@ 1,114,350 tons/yr = 94.7 tons/year</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  <b>Emission rates are decreased to 0.12 lb/ton, 22.1 lb/hour and 80 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>RULE</b>	2. Future Effective Date of Allowable Emissions: <b>Not Applicable</b>
3. Requested Allowable Emissions and Units: <b>0.17 lb/ton dry feed</b>	4. Equivalent Allowable Emissions: <b>25.50 lb/hour                      93.93 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Method 5 for total PM</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  <b>Emission rates are decreased to 0.12 lb/ton, 22.1 lb/hour and 80 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Potential/Fugitive Emissions

1. Pollutant Emitted: SO <sub>2</sub>	2. Total Percent Efficiency of Control: <b>Not Applicable</b>
3. Potential Emissions: 28.82 lb/hour      108.55      tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1      [ ] 2      [ ] 3      to      tons/year	
6. Emission Factor: <b>0.28 lb/ton clinker</b> Reference: <b>Permit No. 0010087-002-AV</b>	7. Emissions Method Code: <b>0</b>
8. Calculation of Emissions (limit to 600 characters):  <b>0.28 lb/ton x 95.8 tons/hour = 26.82 lb/hour</b> <b>@ 712,500 tons/yr = 99.75 tons/year</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  <b>Emission rates are decreased to 0.16 lb/ton, 17.7 lb/hour and 64 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>RULE</b>	2. Future Effective Date of Allowable Emissions: <b>Not Applicable</b>
4. Requested Allowable Emissions and Units: <b>0.28 lb/ton clinker</b>	4. Equivalent Allowable Emissions: <b>28.82 lb/hour      108.55 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>CEM</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  <b>Emission rates are decreased to 0.16 lb/ton, 17.7 lb/hour and 64 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Potential/Fugitive Emissions

1. Pollutant Emitted: <b>NOx</b>	2. Total Percent Efficiency of Control: <b>Not Applicable</b>
3. Potential Emissions: <b>268.30 lb/hour      1018.00      tons/year</b>	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1      [ ] 2      [ ] 3      to      tons/year	
6. Emission Factor: <b>2.80 lb/ton Clinker</b> Reference: <b>Permit No. 0010087-002-AV, Table II</b>	7. Emissions Method Code: <b>0</b>
8. Calculation of Emissions (limit to 600 characters):  <b>2.80 lb/ton x 95.8 tons/hour = 268.24 lb/hour</b> <b>@ 712,500 tons/yr = 997.5 tons/year</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  <b>Emission rates are changed to 2.45 lb/ton, 271 lb/hour and 980 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>RULE</b>	2. Future Effective Date of Allowable Emissions: <b>Not Applicable</b>
3. Requested Allowable Emissions and Units: <b>2.80 lb/ton Clinker</b>	4. Equivalent Allowable Emissions: <b>268.30 lb/hour      1018.00 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>CEM</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  <b>Emission rates are changed to 2.45 lb/ton, 271 lb/hour and 980 tons/year by Permit No. 0010087-006-AC, Table II.</b>	



Potential/Fugitive Emissions

1. Pollutant Emitted: <b>CO</b>	2. Total Percent Efficiency of Control: <b>Not Applicable</b>
3. Potential Emissions: <b>346.38 lb/hour      1288.60      tons/year</b>	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1      [ ] 2      [ ] 3      to      tons/year	
6. Emission Factor: <b>3.60 lb/ton Clinker</b> Reference: <b>Permit No. 0010087-002-AV, Table II</b>	7. Emissions Method Code: <b>0</b>
8. Calculation of Emissions (limit to 600 characters):  <b>3.60 lb/ton x 95.8 tons/hour = 344.88 lb/hour</b> <b>@ 712,500 tons/yr = 1282.5 tons/year</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  <b>Emission rates are decreased to 2.50 lb/ton, 276 lb/hour and 1000 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>RULE</b>	2. Future Effective Date of Allowable Emissions: <b>Not Applicable</b>
3. Requested Allowable Emissions and Units: <b>3.60 lb/ton Clinker</b>	4. Equivalent Allowable Emissions: <b>346.38 lb/hour      1288.60 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Method 10</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  <b>Emission rates are decreased to 2.50 lb/ton, 276 lb/hour and 1000 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Potential/Fugitive Emissions

1. Pollutant Emitted: <b>VOC</b>	2. Total Percent Efficiency of Control: <b>Not Applicable</b>
3. Potential Emissions: <b>11.55 lb/hour      42.90 tons/year</b>	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1      [ ] 2      [ ] 3      _____ to _____ tons/year	
6. Emission Factor: <b>0.12 lb/ton Clinker</b> Reference: <b>Permit No. 0010087-002-AV, Table II</b>	7. Emissions Method Code: <b>0</b>
8. Calculation of Emissions (limit to 600 characters):  <b>0.12 lb/ton x 95.8 tons/hour = 11.5 lb/hour</b> <b>@ 712,500 tons/yr = 42.8 tons/year</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  <b>Emission rates are changed to 0.11 lb/ton, 11.8 lb/hour and 43 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>RULE</b>	2. Future Effective Date of Allowable Emissions: <b>Not Applicable</b>
3. Requested Allowable Emissions and Units: <b>0.12 lb/ton Clinker</b>	4. Equivalent Allowable Emissions: <b>11.55 lb/hour      42.90 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Method 25/25A</b>  <b>(CEM for reasonable assurance only)</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  <b>Emission rates are changed to 0.11 lb/ton, 11.8 lb/hour and 43 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Potential/Fugitive Emissions

1. Pollutant Emitted: <b>SAM</b>	2. Total Percent Efficiency of Control: <b>Not Applicable</b>
3. Potential Emissions: <b>0.25 lb/hour      1.00 tons/year</b>	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: <b>0.0025 lb/ton Clinker</b> Reference: <b>Permit No. 0010087-002-AV, Table II</b>	7. Emissions Method Code: <b>3</b>
8. Calculation of Emissions (limit to 600 characters):  <b>0.0025 lb/ton x 95.8 tons/hour = 0.24 lb/hour</b> <b>@ 712,500 tons/yr = 0.89 tons/year</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): <b>None</b>	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>RULE</b>	2. Future Effective Date of Allowable Emissions: <b>Not Applicable</b>
3. Requested Allowable Emissions and Units: <b>0.0025 lb/ton Clinker</b>	4. Equivalent Allowable Emissions: <b>0.25 lb/hour      1.00 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Method 8</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): <b>None</b>	

Potential/Fugitive Emissions

1. Pollutant Emitted: <b>H021 – Beryllium</b>	2. Total Percent Efficiency of Control: <b>Not Applicable</b>
3. Potential Emissions: <b>No applicable requirement</b> lb/hour      tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1      [ ] 2      [ ] 3      to      tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code: <b>3</b>
8. Calculation of Emissions (limit to 600 characters):	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  <b>Permittee requests that references to beryllium be removed from the Title V Permit, as there is no longer an applicable requirement.</b>	

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

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

Potential/Fugitive Emissions

1. Pollutant Emitted: <b>DIOX</b>	2. Total Percent Efficiency of Control: <b>Not Applicable</b>
3. Potential Emissions: <b>0.00000014 lb/hour</b> <b>0.0000006 tons/year</b>	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1      [ ] 2      [ ] 3      _____ to _____ tons/year	
6. Emission Factor: <b><math>1.7 \times 10^{-10}</math> gr/dscf TEQ at 7% O<sub>2</sub></b> Reference: <b>40 CFR 63.1343(b)(3)</b>	7. Emissions Method Code: <b>0</b>
8. Calculation of Emissions (limit to 600 characters):  <b><math>1.7 \times 10^{-10}</math> gr/dscf x 150000 dscfm x (20.9 – 12.0)/(20.9 – 7.0) x 60 min/hour x 1.0 lb/7000 gr = 0.00000014 lb/hour</b>  <b>@ 8760 hours/yr = 0.0000006 tons/year</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): <b>None</b>	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>RULE</b>	2. Future Effective Date of Allowable Emissions: <b>N/A</b>
3. Requested Allowable Emissions and Units: <b><math>1.7 \times 10^{-10}</math> gr/dscf TEQ at 7% O<sub>2</sub></b>	4. Equivalent Allowable Emissions: <b>0.00000014 lb/hour 0.0000006 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Method 23</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  <b>NESHAP Subpart LLL: 40 CFR 63.1343(b)(3)</b>	

**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: <b>VE10</b>	2. Basis for Allowable Opacity: [ <input checked="" type="checkbox"/> ] Rule [ <input type="checkbox"/> ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>10%</b> Exceptional Conditions: <b>10%</b> Maximum Period of Excess Opacity Allowed: <b>0 min/hour</b>	
4. Method of Compliance: <b>Method 9</b>	
5. Visible Emissions Comment (limit to 200 characters): <b>BACT</b>  <b>This visible emissions limitation is more stringent than required by 40 CFR 63.1343(b)(2).</b>	

**Visible Emissions Limitation:** Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: <b>VE20</b>	2. Basis for Allowable Opacity: [ <input checked="" type="checkbox"/> ] Rule [ <input type="checkbox"/> ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>20%</b> Exceptional Conditions: <b>20%</b> Maximum Period of Excess Opacity Allowed: <b>0 min/hour</b>	
4. Method of Compliance: <b>Method 9</b>	
5. Visible Emissions Comment (limit to 200 characters):  <b>40 CFR 63.1343(b)(2)</b>	

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

**Continuous Monitoring System:** Continuous Monitor 1 of 5

1. Parameter Code: <b>VE</b>	2. Pollutant(s): <b>Opacity</b>
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: <b>Sick AG Environmental Monitoring</b> Model Number: <b>OMD41</b> Serial Number: <b>00035 8008</b>	
5. Installation Date: <b>12/2000</b>	6. Performance Specification Test Date: <b>1/17/2001</b>
7. Continuous Monitor Comment (limit to 200 characters):  <b>COMS was recertified in July 2001</b>  <b>NESHAP Subpart LLL: 40 CFR 60.1350(c)(1)</b>	

**Continuous Monitoring System:** Continuous Monitor 2 of 5

1. Parameter Code: <b>EM</b>	2. Pollutant(s): <b>SO2, NOx</b>
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: <b>Sick AG Environmental Monitoring</b> Model Number: <b>GM31-3</b> Serial Number: <b>8040 8002</b>	
5. Installation Date: <b>12/2000</b>	6. Performance Specification Test Date: <b>1/17/2001</b>
7. Continuous Monitor Comment (limit to 200 characters): <b>BACT</b>  <b>CEMS was recertified in July 2001</b>	

Continuous Monitoring System: Continuous Monitor 3 of 5

1. Parameter Code: <b>EM</b>	2. Pollutant(s): <b>THC</b>
3. CMS Requirement:	[ ] Rule [ <b>X</b> ] Other
4. Monitor Information: Manufacturer: <b>Bernath Atomic GmbH &amp; Co.</b> Model Number: <b>EuroFID Model 3010</b> Serial Number: <b>4387</b>	
5. Installation Date:	6. Performance Specification Test Date: <b>7/30/2001</b>
7. Continuous Monitor Comment (limit to 200 characters): <b>Reasonable Assurance only.</b>	

Continuous Monitoring System: Continuous Monitor 4 of 5

1. Parameter Code: <b>TEMP</b>	2. Pollutant(s): <b>Not Applicable</b>
3. CMS Requirement:	[ <b>X</b> ] Rule [ ] Other
4. Monitor Information: Manufacturer: <b>Sick AG Environmental Monitoring</b> Model Number: <b>GM31-3</b> Serial Number: <b>8040 8002</b>	
5. Installation Date: <b>December 2000</b>	6. Performance Specification Test Date: <b>1/2001</b>
7. Continuous Monitor Comment (limit to 200 characters): <b>NESHAP Subpart LLL: 40 CFR 63.1350(f)</b>	

Continuous Monitoring System: Continuous Monitor 5 of 5

1. Parameter Code: <b>FLOW</b>	2. Pollutant(s): <b>Not Applicable</b>
3. CMS Requirement:	[ ] Rule [ <b>X</b> ] Other
4. Monitor Information: Manufacturer: <b>Sick AG Environmental Monitoring</b> Model Number: <b>FLSE160-350</b> Serial Number: <b>7042096</b>	
5. Installation Date:	6. Performance Specification Test Date: <b>7/20/2000</b>
7. Continuous Monitor Comment (limit to 200 characters): <b>None</b>	



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

**Supplemental Requirements**

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>On file with Department</b>
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>On file with Department</b>
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>On file with Department</b>
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested <b>On file with Department</b>
5. Compliance Test Report: <b>To be provided under separate cover</b> <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 type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested <b>To be provided under separate cover</b>
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested <b>To be provided under separate cover</b>
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: <b>None</b>

**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 II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

### 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):			
<b>Clinker Handling</b>			
4. Emissions Unit Identification Number:		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown	
ID: 004			
5. Emissions Unit Status Code: A	6. Initial Startup Date: 1/1/00	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 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

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

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate: <b>Not Applicable</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>Not Applicable</b>	lb/hr                      tons/day
3. Maximum Process or Throughput Rate: <b>See comment</b>	
4. Maximum Production Rate: <b>Not Applicable</b>	
5. Requested Maximum Operating Schedule:	
hours/day	days/week
weeks/year	<b>8760 hours/year</b>
6. Operating Capacity/Schedule Comment (limit to 200 characters):	
<p><b>95.8 TPH: Air Permit No. 0010087-002-AV, Specific Condition C.2.</b>  <b>115.0 TPH: Air Permit No. 0010087-006-AC, Specific Condition 1.</b></p>	

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

**List of Applicable Regulations**

<b>NESHAP Subpart LLL:</b>
<b>40 CFR 63.1345</b>
<b>40 CFR 63.1348</b>
<b>40 CFR 63.1349(a)</b>
<b>40 CFR 63.1349(b)(1)</b>
<b>40 CFR 63.1349(c)</b>
<b>40 CFR 63.1350(a)</b>
<b>40 CFR 63.1350(b)</b>
<b>40 CFR 63.1350(d)(1)</b>
<b>40 CFR 63.1350(d)(3)</b>
<b>40 CFR 63.1350(j)</b>
<b>40 CFR 63.1350(l)</b>

**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? <b>K-15, L-03, L-06, L-08</b>		2. Emission Point Type Code: <b>3</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>K-15: Clinker Cooler Stack L-03: Clinker Transport L-06: Clinker Silos L-08: Clinker Silos (new baghouse)</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:  <b>Not Applicable</b>			
5. Discharge Type Code: <b>V</b>	6. Stack Height: <b>115 feet</b>	7. Exit Diameter: <b>9 feet</b>	
8. Exit Temperature: <b>480 °F</b>	9. Actual Volumetric Flow Rate: <b>160000 acfm</b>	10. Water Vapor: <b>Not Applicable %</b>	
11. Maximum Dry Standard Flow Rate: <b>Not Applicable</b> dscfm		12. Nonstack Emission Point Height: <b>Not Applicable</b> feet	
13. Emission Point UTM Coordinates: <b>Optional field left blank</b>  Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):  <b>K-15 is representative emission point with greatest emission rate.</b>			

**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):  <b>Mineral Products: Cement Manufacturing – Dry Process: Clinker Cooler</b>		
2. Source Classification Code (SCC): <b>3-05-006-14</b>		3. SCC Units: <b>Tons Processed</b>
4. Maximum Hourly Rate: <b>See comment</b>	5. Maximum Annual Rate: <b>See comment</b>	6. Estimated Annual Activity Factor: <b>Not Applicable</b>
7. Maximum % Sulfur: <b>Not Applicable</b>	8. Maximum % Ash: <b>Not Applicable</b>	9. Million Btu per SCC Unit: <b>Not Applicable</b>
10. Segment Comment (limit to 200 characters):  <b>95.8 TPH/712,500 TPY: Air Permit No. 0010087-002-AV, Specific Condition C.2. 115.0 TPH/800,000 TPY: Air Permit No. 0010087-006-AC, Specific Condition 1.</b>		

**Segment Description and Rate: Segment 2 of 2**

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  <b>Mineral Products: Cement Manufacturing – Dry Process: Clinker Silos</b>		
2. Source Classification Code (SCC): <b>3-05-006-15</b>		3. SCC Units: <b>Tons Processed</b>
4. Maximum Hourly Rate: <b>See comment</b>	5. Maximum Annual Rate: <b>See comment</b>	6. Estimated Annual Activity Factor: <b>Not Applicable</b>
7. Maximum % Sulfur: <b>Not Applicable</b>	8. Maximum % Ash: <b>Not Applicable</b>	9. Million Btu per SCC Unit: <b>Not Applicable</b>
10. Segment Comment (limit to 200 characters):  <b>95.8 TPH/712,500 TPY: Air Permit No. 0010087-002-AV, Specific Condition C.2. 115.0 TPH/800,000 TPY: Air Permit No. 0010087-006-AC, Specific Condition 1.</b>		





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

Potential/Fugitive Emissions

1. Pollutant Emitted: <b>PM</b>	2. Total Percent Efficiency of Control: <b>99%</b>
3. Potential Emissions: <b>14.99 lb/hour                      55.70 tons/year</b>	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1      [ ] 2      [ ] 3      _____ to _____ tons/year	
6. Emission Factors: <b>0.10 lb/ton dry feed</b> Reference: <b>Permit No. 0010087-002-AV, Table II</b>	7. Emissions Method Code: <b>0</b>
8. Calculation of Emissions (limit to 600 characters):  <b>0.10 lb/ton x 149.9 tons/hr = 14.99 lb/hour</b> <b>@ 1,114,350 tons/yr = 55.7 tons/year</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  <b>Potential emissions for clinker cooler only. Emission rates are changed to 0.08 lb/ton, 15.4 lb/hour and 56 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>RULE</b>	2. Future Effective Date of Allowable Emissions: <b>Not Applicable</b>
3. Requested Allowable Emissions and Units: <b>0.10 lb/ton dry feed</b>	4. Equivalent Allowable Emissions: <b>14.99 lb/hour                      55.70 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Method 5</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  <b>Allowable emissions for clinker cooler only. Emission rates are changed to 0.08 lb/ton, 15.4 lb/hour and 56 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Potential/Fugitive Emissions

1. Pollutant Emitted: <b>PM10</b>	2. Total Percent Efficiency of Control: <b>99%</b>
3. Potential Emissions: <b>12.71 lb/hour</b> <b>47.34 tons/year</b>	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: <b>Not Applicable</b> [ ] 1                      [ ] 2                      [ ] 3                      to                      tons/year	
6. Emission Factors: <b>0.09 lb/ton dry feed</b> Reference: <b>Permit No. 0010087-002-AV, Table II</b>	7. Emissions Method Code: <b>0</b>
8. Calculation of Emissions (limit to 600 characters):  <b>0.09 lb/ton x 149.9 tons/hr = 13.5 lb/hour</b> <b>@ 1,114,350 tons/yr = 50.1 tons/year</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):  <b>Potential emissions for clinker cooler only. Emission rates are changed to 0.07 lb/ton, 13.0 lb/hour and 47 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>RULE</b>	2. Future Effective Date of Allowable Emissions: <b>Not Applicable</b>
3. Requested Allowable Emissions and Units: <b>0.09 lb/ton clinker</b>	4. Equivalent Allowable Emissions: <b>12.71 lb/hour</b> <b>47.34 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Method 5 for total PM</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):  <b>Allowable emissions for clinker cooler only. Emission rates are changed to 0.07 lb/ton, 13.0 lb/hour and 47 tons/year by Permit No. 0010087-006-AC, Table II.</b>	

**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: <b>VE05</b>	2. Basis for Allowable Opacity: [ <input checked="" type="checkbox"/> ] Rule                      [ <input type="checkbox"/> ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>5%</b> Exceptional Conditions: <b>5%</b> Maximum Period of Excess Opacity Allowed: <b>0 min/hour</b>	
4. Method of Compliance: <b>Method 9</b>	
5. Visible Emissions Comment (limit to 200 characters):  <b>BACT: 62-212.400, FAC. This limitation is more stringent than the NESHAP. For emission points except the clinker cooler.</b>	

**Visible Emissions Limitation:** Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: <b>VE10</b>	2. Basis for Allowable Opacity: [ <input checked="" type="checkbox"/> ] Rule                      [ <input type="checkbox"/> ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>10%</b> Exceptional Conditions: <b>10%</b> Maximum Period of Excess Opacity Allowed: <b>0 min/hour</b>	
4. Method of Compliance: <b>Method 9</b>	
5. Visible Emissions Comment (limit to 200 characters):  <b>BACT 40 CFR 63.1345(a)(2) for clinker cooler 40 CFR 63.1348 for other emission points</b>	

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

**Continuous Monitoring System:** Continuous Monitor 1 of 1

1. Parameter Code: <b>VE</b>	2. Pollutant(s): <b>Opacity</b>
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: <b>Sick AG Environmental Monitoring</b> Model Number: <b>OMD41</b> Serial Number: <b>00035 8010</b>	
5. Installation Date:	6. Performance Specification Test Date: <b>2/22/2001</b>
7. Continuous Monitor Comment (limit to 200 characters):  <b>COMS recertified on August 9, 2001.</b>  <b>NESHAP Subpart LLL: 40 CFR 63.1350(d)(1)</b>	

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

**Supplemental Requirements**

<p>1. Process Flow Diagram  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>3. Detailed Description of Control Equipment  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>5. Compliance Test Report: <b>To be provided under separate cover</b>  <input type="checkbox"/> Attached, Document ID: _____  <input type="checkbox"/> Previously submitted, Date: _____  <input type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested  <b>To be provided under separate cover</b></p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested  <b>To be provided under separate cover</b></p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>10. Supplemental Requirements Comment: <b>None</b></p>

**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 II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**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):  <b>Finish Grinding Operations</b>			
4. Emissions Unit Identification Number: ID: 005		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown	
5. Emissions Unit Status Code: A	6. Initial Startup Date: 1/1/00	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 Control Equipment**

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

**Fabric Filters – High Temperature**

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

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

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate: <b>Not Applicable</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>Not Applicable</b>	lb/hr                      tons/day
3. Maximum Process or Throughput Rate: <b>Not Applicable</b>	
4. Maximum Production Rate: <b>136 TPH</b>	
5. Requested Maximum Operating Schedule:	
hours/day	days/week
weeks/year	<b>8760 hours/year</b>
6. Operating Capacity/Schedule Comment (limit to 200 characters):	
<p><b>136 TPH Cement Output: Air Permit No. 0010087-002-AV, Table 1.</b>  <b>136 TPH Clinker: Air Permit No. 0010087-006-AC, Table 1.</b></p>	

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

**List of Applicable Regulations**

<b>NESHAP Subpart LLL:</b>
40 CFR 63.1347
40 CFR 63.1348
40 CFR 63.1349(a)
40 CFR 63.1349(b)(2)
40 CFR 63.1349(c)
40 CFR 63.1350(a)
40 CFR 63.1350(b)
40 CFR 63.1350(e)
40 CFR 63.1350(l)

**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? <b>M-08, N-09, N-12, N-91, Q-25, Q-26</b>		2. Emission Point Type Code: <b>3</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>Emission Points are identified as follows:</b> <b>(EP02)- Clinker to finish Mill – M-08</b> <b>(EP03)- Finish mill air separator- N-09</b> <b>(EP04)- Finish Mill- N-12</b> <b>(EP05)-Cement Handling in Finish Mill- N-91</b> <b>(EP06)- Cement storage silos- Q-25</b> <b>(EP07) -Cement storage silos- Q-26</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:  <b>Not Applicable</b>			
5. Discharge Type Code: <b>V</b>	6. Stack Height: <b>123 feet</b>	7. Exit Diameter: <b>3.1 feet</b>	
8. Exit Temperature: <b>210 °F</b>	9. Actual Volumetric Flow Rate: <b>30000 acfm</b>	10. Water Vapor: <b>2 %</b>	
11. Maximum Dry Standard Flow Rate: <b>23200 dscfm</b>		12. Nonstack Emission Point Height: <b>Not Applicable</b> feet	
13. Emission Point UTM Coordinates: <b>Not Available within 0.01 Kilometer</b>  Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):  <b>N-12 is representative emission point with greatest emission rate.</b>			

**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):  <b>Mineral Products: Cement Manufacturing – Dry Process: Finish Grinding Mill</b>		
2. Source Classification Code (SCC): <b>3-05-006-17</b>		3. SCC Units: <b>Tons Processed</b>
4. Maximum Hourly Rate: <b>136</b>	5. Maximum Annual Rate: <b>1,191,360</b>	6. Estimated Annual Activity Factor: <b>Not Applicable</b>
7. Maximum % Sulfur: <b>Not Applicable</b>	8. Maximum % Ash: <b>Not Applicable</b>	9. Million Btu per SCC Unit: <b>Not Applicable</b>
10. Segment Comment (limit to 200 characters): <b>None</b>		



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

Potential/Fugitive Emissions

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

Allowable Emissions Allowable Emissions 1 of 1

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





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

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

1. Parameter Code: <b>Not Applicable</b>	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

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

**Supplemental Requirements**

<p>1. Process Flow Diagram  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>3. Detailed Description of Control Equipment  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>5. Compliance Test Report: <b>To be provided under separate cover</b>  <input type="checkbox"/> Attached, Document ID: _____  <input type="checkbox"/> Previously submitted, Date: _____  <input type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested  <b>To be provided under separate cover</b></p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested  <b>To be provided under separate cover</b></p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>10. Supplemental Requirements Comment: <b>None</b></p>

**Additional Supplemental Requirements for Title V Air Operation Permit Applications**

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

**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):			
<b>Cement Handling, Loading, and Bagging</b>			
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: 1/1/00	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 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

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

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate: <b>Not Applicable</b>	mMBtu/hr
2. Maximum Incineration Rate: <b>Not Applicable</b>	lb/hr                      tons/day
3. Maximum Process or Throughput Rate: <b>500 tons per hour of cement silo unloading</b>	
4. Maximum Production Rate: <b>Not Applicable</b>	
5. Requested Maximum Operating Schedule:	
hours/day	days/week
weeks/year	<b>8760 hours/year</b>
6. Operating Capacity/Schedule Comment (limit to 200 characters): <b>None</b>	

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

**List of Applicable Regulations**

**NESHAP Subpart LLL:**

- 40 CFR 63.1348
- 40 CFR 63.1349(a)
- 40 CFR 63.1349(b)(2)
- 40 CFR 63.1349(c)
- 40 CFR 63.1350(a)
- 40 CFR 63.1350(b)
- 40 CFR 63.1350(j)
- 40 CFR 63.1350(l)

**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: <b>Optional field left blank</b> Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):  R-12 is representative emission point with greatest emission rate.			



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



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

**Potential/Fugitive Emissions**

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

**Allowable Emissions Allowable Emissions 1 of 1**

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

**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: <b>VE05</b>	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>5%</b> Exceptional Conditions: <b>5%</b> Maximum Period of Excess Opacity Allowed: <b>0 min/hour</b>	
4. Method of Compliance: <b>Method 9</b>	
5. Visible Emissions Comment (limit to 200 characters):  <b>BACT: 62-212.400, FAC. This limitation is more stringent than the NESHAP.</b>	

**Visible Emissions Limitation:** Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: <b>VE10</b>	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>10%</b> Exceptional Conditions: <b>10%</b> Maximum Period of Excess Opacity Allowed: <b>0 min/hour</b>	
4. Method of Compliance: <b>Method 9</b>	
5. Visible Emissions Comment (limit to 200 characters):  <b>40 CFR 63.1348</b>	

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

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

1. Parameter Code: <b>Not Applicable</b>	2. Pollutant(s):
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

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

**Supplemental Requirements**

<p>1. Process Flow Diagram  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>3. Detailed Description of Control Equipment  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested  <b>On file with Department</b></p>
<p>5. Compliance Test Report: <b>To be provided under separate cover</b>  <input type="checkbox"/> Attached, Document ID: _____  <input type="checkbox"/> Previously submitted, Date: _____  <input type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested  <b>To be provided under separate cover</b></p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested  <b>To be provided under separate cover</b></p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>10. Supplemental Requirements Comment: <b>None</b></p>

**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 II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable