

## **Department of Environmental Protection**

Division of Air Resources Management RECEIVED

## APPLICATION FOR AIR PERMIT - TITLE V SOURCE JAN 3 0 2003

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

I. APPLICATION INFORMATION

**BUREAU OF AIR REGULATION** 

Identification o	f Facility
------------------	------------

1.	Facility Owner/Company Name: Flo	orida Ro	ock Industrie	s, Inc.		
2.	Site Name: Thompson S. Baker Ce	ement Pl	lant – Newbe	erry		
3.	Facility Identification Number: 0010	0087			[ ] Unknown	
4.	Facility Location: Street Address or Other Locator: 400	00 NW (	County Road	1 235		
	City: Newberry Co	ounty: A	lachua	Z	ip Code: <b>32669</b>	
5.	Relocatable Facility?  [ ] Yes [X] No		6. Existing [X] Yes		ed Facility?  ] No	
<u>Ar</u>	oplication Contact					
1.	Name and Title of Application Cont		even C. Cul nior Project 1			
2.	Application Contact Mailing Address Organization/Firm: Koogler & Asso					
	Street Address: 4014 NW 13 <sup>th</sup> Street	et				
	City: Gainesville	Sta	te: Florida	Z	ip Code: <b>32609</b>	
3.	Application Contact Telephone Nun	nbers:				
	Telephone: (352) 377-5822		Fax: (35	2) 377-	7158	
Ar	oplication Processing Information (	DEP Us	<u>e)</u>			
1.	Date of Receipt of Application:		-			
2.	Permit Number:					
3.	PSD Number (if applicable):					
4.	Siting Number (if applicable):					

DEP Form No. 62-210.900(1) - Form

### **Purpose of Application**

### Air Operation Permit Application

Thi	s 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:
[ <b>X</b> ]	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	s 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

	<u> </u>			,
1.	Name and Title of Owner/Authorized Rep	resentative or	Respons	ible Official:
Ca	ary O. Cohrs: Vice President – Operation	ıs	•	
2.	Owner/Authorized Representative or Resp		al Mailir	ng Address:
	Organization/Firm: Florida Rock Industr	ries, Inc.	٠	
	Street Address: 4000 NW CR 235	•		• •
·	City: Newberry	State: Florida	. <b>Z</b>	ip Code: <b>32669</b>
3.	Owner/Authorized Representative or Resp	onsible Offici	al Telepl	none Numbers:
	Telephone: (352) 472-4722	Fax: (3	52) 472-	2449
4.	Owner/Authorized Representative or Resp	onsible Offici	al Staten	nent:
	I, the undersigned, am the owner or autho the responsible official (check here [X], application, whichever is applicable. I he formed after reasonable inquiry, that the saccurate and complete and that, to the best reported in this application are based upo emissions. The air pollutant emissions unin this application will be operated and most standards for control of air pollutant emissiond rules of the Department of Environme understand that a permit, if granted by the authorization from the Department, and I legal transfer of any permitted emissions the same standards.	if so) of the Ti reby certify, be statements mad it of my knowle its and air pol aintained so a sions found in intal Protection in Department, will promptly	tle V sout ased on i de in this edge, any technique lution co s to comp the statu n and rev cannot be notify the	rce addressed in this information and belief application are true, estimates of emissions is for calculating introl equipment described oly with all applicable ites of the State of Florida visions thereof. I e transferred without
	U		<del>''/-</del> Date	
	Signature		Date	•
* /	Attach letter of authorization if not currently	on file		
-	Attach letter of authorization if hot currently	on me.		
Pro	ofessional Engineer Certification			·
1.	Professional Engineer Name: Steven C.	Cullen, PE		
	Registration Number: 45188			•
2.	Professional Engineer Mailing Address:			
	Organization/Firm: Koogler & Associates	8		
	Street Address: 4014 NW 13th Street			,
	City: Gainesville	State: Florida	Z	ip Code: 32609
3.	Professional Engineer Telephone Numbers	s: .		·
	Telephone: (352) 377-5822	Fax: (3	52) 377-	7158

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### 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.

	1/29/2003	
Signature	Date	
(seal)		•

\* Attach any exception to certification statement.

STATE OF

DEP Form No. 62<sup>9</sup>21/0-900(1) - Form Effective: 2/11/99''''

### **Scope of Application**

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

### **Application Processing Fee**

Check one: [ ] Attached - Amount: \$	[X] Not Applicable
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### **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.

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### II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

### Facility Location and Type

1.	Facility UTM Coor	dinates:	,	
	Zone: 17	East (km	i): 348.4 km	North (km): 3287.0
2.	Facility Latitude/Lo Latitude (DD/MM/	_	Longitude (DE	D/MM/SS): <b>82° 35' 00"</b>
3.	Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Co	de:
			32	3241
7.	Facility Comment (	limit to 500 characters)	: None	•
		· .		

### **Facility Contact**

- 1. Name and Title of Facility Contact: Henry Gotsch Environmental Manager
- 2. Facility Contact Mailing Address:

Organization/Firm: Florida Rock Industries, Inc.

Street Address: 4000 NW CR 235

City: Newberry

State: Florida

Zip Code: 32669

3. Facility Contact Telephone Numbers:

Telephone:

(352) 472-4722

Fax:

(352) 472-2449

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### **Facility Regulatory Classifications**

### Check all that apply:

1.	[ ] Small Business Stationary Source? [X] Unknown
2.	[X] Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?
3.	[ ] Synthetic Minor Source of Pollutants Other than HAPs?
4.	[X] Major Source of Hazardous Air Pollutants (HAPs)?
5.	[ ] Synthetic Minor Source of HAPs?
6.	[X] One or More Emissions Units Subject to NSPS?
7.	[X] One or More Emission Units Subject to NESHAP?
8.	[ ] Title V Source by EPA Designation?
9.	Facility Regulatory Classifications Comment (limit to 200 characters): None

### List of Applicable Regulations

Title V Core List		
NSPS Subparts Y and OOO		
· <del></del>		
NESHAP Subpart LLL:		÷
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		

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### **B. FACILITY POLLUTANTS**

### **List of Pollutants Emitted**

1. Pollutant	2. Pollutant	3. Requested E	missions Cap	4. Basis for	5. Pollutant
Emitted	Classif.			Emissions	Comment
		lb/hour	tons/year	Cap	
PM	A	Not Requested	Not Requested	No Basis	None
PM10	A ·	Not Requested	Not Requested	No Basis	None
SO2	В	Not Requested	Not Requested	No Basis	None
NOx	A	Not Requested	Not Requested	No Basis	None
СО	Α	Not Requested	Not Requested	No Basis	None
VOC	В	Not Requested	Not Requested	No Basis	None
SAM	В	Not Requested	Not Requested	No Basis	None
DIOX	В	Not Requested	Not Requested	No Basis	None
			·		
					,
·					·

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### C. FACILITY SUPPLEMENTAL INFORMATION

### **Supplemental Requirements**

1.	Area Map Showing Facility Location:				•			
	[ ] Attached, Document ID:	_ [	] ]	Not	Applicable	[X]	Waiver Ro	equested
O	n file with Department							
2.	Facility Plot Plan:							
	[ ] Attached, Document ID:	_ [	] ]	Not	Applicable	[X]	Waiver Re	equested
O	n file with Department							
3.	Process Flow Diagram(s):						• •	
	[ ] Attached, Document ID:	[	] ]	Not	Applicable	[X]	Waiver Ro	equested
	n file with Department							
4.	Precautions to Prevent Emissions of Un							
	[ ] Attached, Document ID:	[	] ]	Not	Applicable	[X]	Waiver Re	equested
	n file with Department							
5.	Fugitive Emissions Identification:							
	[ ] Attached, Document ID:	[ ·	] ]	Not	Applicable	[X]	Waiver Re	equested
	n file with Department							
6.	Supplemental Information for Construction							
,	[ ] Attached, Document ID:	_[>		Not	Applicable	[ ]	Waiver Re	equested
						<del></del>		
7.	Supplemental Requirements Comments	: No	1e		•	<del> </del>		· · · · · · · · · · · · · · · · · · ·
7.	Supplemental Requirements Comments	: No	1e		:			
7.	Supplemental Requirements Comment	: Noi	1e		:			
7.	Supplemental Requirements Comments	: Noi	1e		:	·		
7.	Supplemental Requirements Comment	: Noi	1e		:			
7.	Supplemental Requirements Comment:	: Noi	1e		:			
7.	Supplemental Requirements Comment	: Noi	1e		:			
7.	Supplemental Requirements Comment	: Noi	1e					
7.	Supplemental Requirements Comments	: Noi	1e		:			
7.	Supplemental Requirements Comments	: Noi	1e					
7.	Supplemental Requirements Comments	: Noi	ne			•		
7.	Supplemental Requirements Comments	: Noi	ne					
7.	Supplemental Requirements Comments	: Noi	1e					
7.	Supplemental Requirements Comments	: Noi	110					
7.	Supplemental Requirements Comments	: Noi	10					
7.	Supplemental Requirements Comments	: Noi	1e					

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

8. List of Proposed Insignificant Activities:
[ ] Attached, Document ID: [X] Not Applicable to current project
9. List of Equipment/Activities Regulated under Title VI:
[ ] Attached, Document ID:
[ ] Equipment/Activities On site but Not Required to be Individually Listed
[X] Not Applicable
10. Alternative Methods of Operation:
[ ] Attached, Document ID: [X] Not Applicable
11. Alternative Modes of Operation (Emissions Trading):
[ ] Attached, Document ID: [X] Not Applicable
12. Identification of Additional Applicable Requirements:
[ ] Attached, Document ID: [X] Not Applicable
13. Risk Management Plan Verification:
[ ] 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:)
[ ] Plan to be submitted to CEPPO (Date required:)
[X] Not Applicable
14. Compliance Report and Plan:
[ ] Attached, Document ID: [X] Not Applicable
15. Compliance Certification (Hard-copy Required):
[ ] 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)						
[	] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).						
[	This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.						
[ X	•		n addresses, as a single emis s which produce fugitive em	•			
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)				
[ X	The emissions we emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is a regulated			
[	] The emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is an unregulated			
3.	Description of En	nissions Unit Addressed	in This Section (limit to 60 o	characters):			
Ra	w Material Hand	ling and Storage					
4.	Emissions Unit Io ID: 001	lentification Number:		[ ] No ID [ ] ID Unknown			
5.	Emissions Unit	6. Initial Startup	7. Emissions Unit Major	8. Acid Rain Unit?			
	Status Code: A	Date: 1/1/00	Group SIC Code: 32	[ ] 			
9.	Emissions Unit C	comment: (Limit to 500 C	Characters): None				

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### **Emissions Unit Control Equipment**

			•
None		•	
			•
	· •		*
•			
	•		

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

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

### **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: Not Applicable		mmBtu/hr
2.	Maximum Incineration Rate: Not Applicable	lb/hr	tons/day
3.	Maximum Process or Throughput Rate: See com	ment	
1.	Maximum Production Rate: Not Applicable		
5.	Requested Maximum Operating Schedule:		
	hours/day	•	days/week
	weeks/year		8760 hours/year
<b>1,2</b> 1	Operating Capacity/Schedule Comment (limit to 11,250 TPY Dry Feed: Air Permit No. 0010087-31,000 TPY Dry Feed: Air Permit No. 0010087-	002-AV, Table	e I
<b>1,2</b> 1	11,250 TPY Dry Feed: Air Permit No. 0010087	002-AV, Table	e I
<b>,2</b> 1	11,250 TPY Dry Feed: Air Permit No. 0010087	002-AV, Table	e I
<b>,2</b> 1	11,250 TPY Dry Feed: Air Permit No. 0010087	002-AV, Table	e I
<b>1,2</b> 1	11,250 TPY Dry Feed: Air Permit No. 0010087	002-AV, Table	e I
l <b>,2</b> 1	11,250 TPY Dry Feed: Air Permit No. 0010087	002-AV, Table	e I
<b>,2</b> 1	11,250 TPY Dry Feed: Air Permit No. 0010087	002-AV, Table	e I
<b>,2</b> 1	11,250 TPY Dry Feed: Air Permit No. 0010087	002-AV, Table	e I

## 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(I)

## 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? Fugitive  2. Emission Point Type Code: 4							
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):								
Primary Crusher Raw Material Processing Material Handling and Storage								
	:		·					
4.	ID Numbers or Descriptions	s of Emission Ur	nits with this Emi	ssion Point in Common:				
No	t Applicable	`						
5.	Discharge Type Code: F	6. Stack Height: N/A feet		7. Exit Diameter: N/A feet				
8.	Exit Temperature: 77 °F	9. Actual Volument Property No. 12 N/A	ametric Flow	10. Water Vapor: N/A %				
11.	Maximum Dry Standard Flo dscfm	ow Rate: N/A		nission Point Height: <b>0</b> feet				
13.	Emission Point UTM Coord	linates: Optiona	l field – left blan	ık ·				
	Zone: E	ast (km):	Nortl	h (km):				
14.	Emission Point Comment (1	imit to 200 chara	acters): None					
	•							

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

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Prod	cess/Fuel Type)	(limit to 500 cha	aracters):
Mineral Products: Cement N	Anufacturing -	- Dry Process: 1	Raw Material Unloading
1. Source Classification Code 3-05-006-07	e (SCC):	3. SCC Units	: Tons Unloaded
4. Maximum Hourly Rate: Not Applicable	5. Maximum See comment	Annual Rate:	6. Estimated Annual Activity Factor: Not Applicable
6. Maximum % Sulfur: 7. Maximum Not Applicable Not Applicable		% Ash: 8. Million Btu per SC	
10. Segment Comment (limit to 1,211,250 TPY Dry Feed: Air 1,331,000 TPY Dry Feed: Air	r Permit No. 00	10087-002-AV,	
	. , , , , , , , , , , , , , , , , , , ,		
Segment Description and De	tos Sagmant 2 a	sf a	

1. Segment Description (Process/Fuel Type) (limit to 500 characters):						
Mineral Products: Cement Manufacturing – Dry Process: Primary Crushing						
2. Source Classification Cod	le (SCC):	3. SCC Units	: Tons Processed			
3-05-006-09						
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity			
Not Applicable	See comment		Factor: Not Applicable			
7. Maximum % Sulfur:	8. Maximum	% Ash:	9. Million Btu per SCC Unit:			
Not Applicable	Not Applicabl	e	Not Applicable			
10. Segment Comment (limit	to 200 characters	s):				
· ·		•				
1,211,250 TPY Dry Feed: A	ir Permit No. 00	10087-002-AV,	Table I			
1,211,250 TPY Dry Feed: Air Permit No. 0010087-002-AV, Table I 1,331,000 TPY Dry Feed: Air Permit No. 0010087-006-AC, Table I						

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

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

### **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:		<u> </u>	
-	[ ] 1 [ ] 2 [ ] 3	to to	ns/year	
6.	Emission Factors:		7. Emissions	
	Reference:		Method Code: 0	
8.	Calculation of Emissions (limit to 600 charac	cters):		
		,		
	•			
	D. II. dans D. danski - 1/D idina Emiliaira Comu	4 (1) - 14 4 - 200 - 1		
9.	Pollutant Potential/Fugitive Emissions Comm	nent (limit to 200 characi	ters):	
All	lowable Emissions Allowable Emissions	of		
1.	Basis for Allowable Emissions Code:	2. Future Effective Da Emissions:	te of Allowable	
3	Requested Allowable Emissions and Units:	4. Equivalent Allowab	ale Emissions	
ر. ا	requested rinowable Emissions and omas.			
		lb/hour	tons/year	
5.	Method of Compliance (limit to 60 character	rs):	•	
6.	Allowable Emissions Comment (Desc. of Op	perating 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

visible Emissions Limitation: Visible Emiss	ions Emmadon <u>1</u> or <u>5</u>	
1. Visible Emissions Subtype: VE10	2. Basis for Allowable	Opacity:
	[X] Rule	Other
Requested Allowable Opacity:     Normal Conditions:     10% Ex     Maximum Period of Excess Opacity Allow	xceptional Conditions:	10% 0 min/hour
4. Method of Compliance: Method 9		
5. Visible Emissions Comment (limit to 200 c	characters):	
40 CFR 63.1348: The first affected source su just prior to the raw mill.	bject to this subpart is	raw material storage,
Visible Emissions Limitation: Visible Emissions	<del>-</del>	
1. Visible Emissions Subtype: <b>VE10</b>	2. Basis for Allowable	- •
	[X] Rule	[ ] Other
Requested Allowable Opacity:     Normal Conditions:     10% Ex     Maximum Period of Excess Opacity Allowers	sceptional Conditions: ed:	10% 0 min/hour
4. Method of Compliance: Method 9		
5. Visible Emissions Comment (limit to 200 c	haracters):	
40 CFR 60.672(b): preceding raw material st	torage	·
Visible Emissions Limitation: Visible Emissi	ions Limitation 3 of 3	
1. Visible Emissions Subtype: VE15	2. Basis for Allowable [X] Rule	Opacity:
3. Requested Allowable Opacity:		· **
Normal Conditions: 15% Ex Maximum Period of Excess Opacity Allower	cceptional Conditions: ed:	15% 0 min/hour
4. Method of Compliance: Method 9		-
5. Visible Emissions Comment (limit to 200 c	haracters): 40 CFR 60.67	72(c)

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### I. CONTINUOUS MONITOR INFORMATION

(Only Regulated Emissions Units Subject to Continuous Monitoring)

<u>C(</u>	ontinuous Monitoring System: Continuous	Mo	nitor 01		
1.	Parameter Code: Not Applicable	2.	Pollutant(s):		
3.	CMS Requirement:	[	] Rule	[	] Other
4.	Monitor Information:				
	Manufacturer:		•		
	Model Number:		Serial Numb	er:	
5.	Installation Date:	6.	Performance Spe	ecifi	cation Test Date:
7.	Continuous Monitor Comment (limit to 200	) cha	racters):		
	· ·		•		
	· ·				
	<u> </u>				·
					i

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

### **Supplemental Requirements**

.1.	Process Flow Diagram
	[ ] Attached, Document ID: [ ] Not Applicable [X] Waiver Requested
	file with Department
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
	D 14 00 10 1 D 14
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
	Compliance Test Departs To be apposited and appearance conserve
٥.	Compliance Test Report: To be provided under separate cover
	[ ] Attached, Document ID:
	[ ] Previously submitted, Date:
	Not Applicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
To	be provided under separate cover
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
	be provided under separate cover
8.	Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
9.	Other Information Required by Rule or Statute
•	[ ] Attached, Document ID: [X] Not Applicable
10.	Supplemental Requirements Comment: None

### 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 Emission	s Unit Addressed in Thi	s Section: (Check one)		
[ X	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.				
[	-		n addresses, as a single emis s which produce fugitive em	-	
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)		
[ X	The emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is a regulated	
[	] 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):				
Ra	w Mill System				
4.	ID: 002 [ ] 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): None				
				•	

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### **Emissions Unit Control Equipment**

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

Fabric Filters – High Temperature Fabric Filters – Medium Temperature

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

### **Emissions Unit Details**

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

### **Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate: Not Applicable		mmBtu/hr
2. Maximum Incineration Rate: Not Applicable	lb/hr	tons/day
3. Maximum Process or Throughput Rate: See comm	nent	
4. Maximum Production Rate: Not Applicable		
5. Requested Maximum Operating Schedule:		
hours/day		days/week
weeks/year		8760 hours/year
•		·
•		·
•		
•	,	
•		
•	,	
212 TPH: Air Permit No. 0010087-002-AV, Table I 255 TPH: Air Permit No. 0010087-006-AC, Table I	,	

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

### **List of Applicable Regulations**

### **NESHAP Subpart LLL:**

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(1)

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

### **Emission Point Description and Type**

1. Identification of Point on P Flow Diagram? E-28, G-07	•	2. Emission Po	oint Type Code: 3
3. Descriptions of Emission P 100 characters per point):			- ,
EP01 (E-28): Recycle Dust an EP03 (G-07): Recycle Dust ar		•	
EP04 (H-08): Raw Meal and		•	. 5110
4. ID Numbers or Description	s of Emission U	nits with this Emi	ssion Point in Common:
Raw Mill and Air Heater disc	harge through	E-21 of EU 003	
5. Discharge Type Code: V	6. Stack Heig	ht:	7. Exit Diameter:
	<b>225</b> feet	•	<b>2.2</b> feet
8. Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:
200 °F	Rate: 150		2%
11 M ' D G 1 1E		10 N . 1 E	* * * * * * * * * * * * * * * * * * * *
11. Maximum Dry Standard Flo 11800 dscfm	ow Rate:	Not Applicable	nission Point Height: feet
		Applicable	
13. Emission Point UTM Coord	linates: <b>Optiona</b>	ıl field – left blar	ık
Zone: E	ast (km):	Norti	h (km):
14. Emission Point Comment (	imit to 200 char	acters):	
G-07 is representative emission	n point with gr	eatest emission i	rate.
·			
,			,
·	·		
			•

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

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Pro		(			
Mineral Products: Cement Manufacturing – Dry Process: Raw Material Grinding					
	<b>-</b>	<b>J</b>	<b>-</b>		
2. Source Classification Code 3-05-006-13	e (SCC):	3. SCC Units	s: Tons Processed		
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity		
See comment	See co	mment	Factor: Not Applicable		
7. Maximum % Sulfur:	8. Maximum		9. Million Btu per SCC Unit:		
Not Applicable	Not Applicable		Not Applicable		
10. Segment Comment (limit t	to 200 characters	<b>)</b> :			
212 TPH: Air Permit No. 00	10087 002 437 '	Toblo I			
255 TPH: Air Permit No. 00	•				
233 IIII. All I CIMIC NO. 00	10007-000-AC,	I abic I			
Segment Description and Rate: Segment 2 of 2					
Segment Description and Ka	te: Segment 2 o	f <u>2</u>			
Segment Description and Ka     Segment Description (Proc		_	aracters):		
1. Segment Description (Proc	cess/Fuel Type)	_	aracters):		
1. Segment Description (Proc In-Process Fuel Use: Distilla	cess/Fuel Type)	_	aracters):		
1. Segment Description (Proc	cess/Fuel Type)	_	aracters):		
1. Segment Description (Proc In-Process Fuel Use: Distilla	cess/Fuel Type)	_	aracters):		
1. Segment Description (Proc In-Process Fuel Use: Distilla (Air Heater)	cess/Fuel Type)	(limit to 500 ch	- -		
1. Segment Description (Proc In-Process Fuel Use: Distilla	cess/Fuel Type)  te Oil: General  e (SCC):	(limit to 500 ch	aracters): :: 1000 Gallons Burned		
<ol> <li>Segment Description (Process Fuel Use: Distilla (Air Heater)</li> <li>Source Classification Code 3-90-005-89</li> <li>Maximum Hourly Rate:</li> </ol>	te Oil: General e (SCC):	(limit to 500 ch  3. SCC Units  Annual Rate:	: 1000 Gallons Burned  6. Estimated Annual Activity		
<ol> <li>Segment Description (Process Fuel Use: Distillated (Air Heater)</li> <li>Source Classification Codes 3-90-005-89</li> <li>Maximum Hourly Rate: 0.28</li> </ol>	cess/Fuel Type)  te Oil: General  e (SCC):  5. Maximum A	(limit to 500 ch  3. SCC Units  Annual Rate:	6. Estimated Annual Activity Factor: Not Applicable		
<ol> <li>Segment Description (Process Fuel Use: Distilla (Air Heater)</li> <li>Source Classification Code 3-90-005-89</li> <li>Maximum Hourly Rate: 0.28</li> <li>Maximum % Sulfur:</li> </ol>	cess/Fuel Type)  te Oil: General  e (SCC):  5. Maximum 24  8. Maximum 9	3. SCC Units Annual Rate: 86	6. Estimated Annual Activity Factor: Not Applicable  9. Million Btu per SCC Unit:		
<ol> <li>Segment Description (Process Fuel Use: Distillar (Air Heater)</li> <li>Source Classification Code 3-90-005-89</li> <li>Maximum Hourly Rate: 0.28</li> <li>Maximum % Sulfur: 0.05</li> </ol>	e (SCC):  5. Maximum 24  8. Maximum 9  Not Applicable	3. SCC Units Annual Rate: 86 % Ash:	6. Estimated Annual Activity Factor: Not Applicable		
<ol> <li>Segment Description (Process Fuel Use: Distilla (Air Heater)</li> <li>Source Classification Code 3-90-005-89</li> <li>Maximum Hourly Rate: 0.28</li> <li>Maximum % Sulfur:</li> </ol>	e (SCC):  5. Maximum 24  8. Maximum 9  Not Applicable	3. SCC Units Annual Rate: 86 % Ash:	6. Estimated Annual Activity Factor: Not Applicable  9. Million Btu per SCC Unit:		
<ol> <li>Segment Description (Process Fuel Use: Distillar (Air Heater)</li> <li>Source Classification Code 3-90-005-89</li> <li>Maximum Hourly Rate: 0.28</li> <li>Maximum % Sulfur: 0.05</li> </ol>	e (SCC):  5. Maximum 24  8. Maximum 9  Not Applicable	3. SCC Units Annual Rate: 86 % Ash:	6. Estimated Annual Activity Factor: Not Applicable  9. Million Btu per SCC Unit:		

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

1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
	Device Code	Device Code	Regulatory Code
PM	016, 017	None	EL
PM10	016, 017	None	NS
SO2	None	None	. EL

Pollutant Detail Information Page 1 of 2

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

(Regulated Emissions Units -

**Emissions-Limited and Preconstruction Review Pollutants Only)** 

### **Potential/Fugitive Emissions**

1. Pollutant Emitted: PM	2. Total Percent Efficience 999	•		
3. Potential Emissions:		4. Synthetically		
<b>2.29</b> lb/hour	10.0 tons/year	Limited? [ ]		
5. Range of Estimated Fugitive Emissions: No	t Applicable			
[ ] 1 [ ] 2 [ ] 3	to to:	ns/year		
6. Emission Factor: 0.01 gr/dscf	·	7. Emissions		
Reference: BACT		Method Code: 0		
8. Calculation of Emissions (limit to 600 chara	cters):			
8. Calculation of Emissions (limit to 600 characters):  0.01 gr/dscf x 26680 dscfm x 60 min/hr x 1 lb/7000 gr = 2.29 lb/hour  @ 8760 hr/yr = 10.0 tons/year				
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None				
	,			

### Allowable Emissions 1 of 1

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

### Emissions Unit Information Section <u>2</u> of <u>6</u> Pollutant Detail Information Page <u>2</u> of <u>2</u>

### [EU 002 - Raw Mill]

### **Potential/Fugitive Emissions**

3. Potential Emissions:  2.04 lb/hour  8.9 tons/year  5. Range of Estimated Fugitive Emissions: Not Applicable  [ ] 1	1. Pollutant Emitted: SO2	2. Total Percent Efficie	ency of Control:	
2.04 lb/hour 8.9 tons/year Limited? [ ]  5. Range of Estimated Fugitive Emissions: Not Applicable		Not Applicable		
5. Range of Estimated Fugitive Emissions: Not Applicable  [ ] 1 [ ] 2 [ ] 3	3. Potential Emissions:		4. Synthetically	
6. Emission Factor: 0.05 %S Reference: BACT  8. Calculation of Emissions (limit to 600 characters):  0.05 %S x 283.8 gal/hr x 7.2 lb/gal x 2 SO2/S = 2.04 lb/hour  2.486,000 gal/yr = 8.9 tons/year  9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None  Allowable Emissions Requested Allowable Emissions and Units: 0.05 %S Reference: BACT  1. Basis for Allowable Emissions Code: RULE 2. Future Effective Date of Allowable Emissions: Not Applicable 4. Equivalent Allowable Emissions: 0.05 %S 2.04 lb/hour 8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	2.04 lb/hour	8.9 tons/year	Limited? [ ]	
6. Emission Factor: 0.05 %S Reference: BACT  8. Calculation of Emissions (limit to 600 characters):  0.05 %S x 283.8 gal/hr x 7.2 lb/gal x 2 SO2/S = 2.04 lb/hour  (@ 2,486,000 gal/yr = 8.9 tons/year)  9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None    Allowable Emissions   Allowable Emissions Code: RULE   Emissions: Not Applicable     3. Requested Allowable Emissions and Units: 0.05 %S   2.04 lb/hour   8.9 tons/year     5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier	5. Range of Estimated Fugitive Emissions: No	t Applicable		
Reference: BACT  8. Calculation of Emissions (limit to 600 characters):  0.05 %S x 283.8 gal/hr x 7.2 lb/gal x 2 SO2/S = 2.04 lb/hour  (@ 2,486,000 gal/yr = 8.9 tons/year)  9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None    Allowable Emissions   Allowable Emissions of Logical Programment   Emissions: Not Applicable     Basis for Allowable Emissions and Units:		to to	ns/year	
8. Calculation of Emissions (limit to 600 characters):  0.05 %S x 283.8 gal/hr x 7.2 lb/gal x 2 SO2/S = 2.04 lb/hour  (2) 2,486,000 gal/yr = 8.9 tons/year  9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None  Allowable Emissions Allowable Emissions 1 of 1  1. Basis for Allowable Emissions Code: RULE 2. Future Effective Date of Allowable Emissions: Not Applicable Emissions: Not Applicable 4. Equivalent Allowable Emissions: 2.04 lb/hour 8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	6. Emission Factor: 0.05 %S			
0.05 %S x 283.8 gal/hr x 7.2 lb/gal x 2 SO2/S = 2.04 lb/hour  @ 2,486,000 gal/yr = 8.9 tons/year  9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None    Allowable Emissions   1 of 1	Reference: BACT		Method Code: 0	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None    Allowable Emissions   Allowable Emissions 1 of 1	8. Calculation of Emissions (limit to 600 chara	cters):	•	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None    Allowable Emissions   Allowable Emissions 1 of 1	·			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): None    Allowable Emissions Allowable Emissions 1 of 1		= 2.04 lb/hour		
Allowable Emissions Allowable Emissions 1 of 1  1. Basis for Allowable Emissions Code:  RULE  2. Future Effective Date of Allowable Emissions: Not Applicable  Emissions: Not Applicable  3. Requested Allowable Emissions and Units: 0.05 %S  2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	@ 2,486,000  gal/yr = 8.9  tons/year			
Allowable Emissions Allowable Emissions 1 of 1  1. Basis for Allowable Emissions Code:  RULE  2. Future Effective Date of Allowable Emissions: Not Applicable  Emissions: Not Applicable  3. Requested Allowable Emissions and Units: 0.05 %S  2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	; · · · · · · · · · · · · · · · · · · ·			
Allowable Emissions Allowable Emissions 1 of 1  1. Basis for Allowable Emissions Code:  RULE  2. Future Effective Date of Allowable Emissions: Not Applicable  Emissions: Not Applicable  3. Requested Allowable Emissions and Units: 0.05 %S  2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
Allowable Emissions Allowable Emissions 1 of 1  1. Basis for Allowable Emissions Code:  RULE  2. Future Effective Date of Allowable Emissions: Not Applicable  Emissions: Not Applicable  3. Requested Allowable Emissions and Units: 0.05 %S  2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
Allowable Emissions Allowable Emissions 1 of 1  1. Basis for Allowable Emissions Code:  RULE  2. Future Effective Date of Allowable Emissions: Not Applicable  Emissions: Not Applicable  3. Requested Allowable Emissions and Units: 0.05 %S  2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
1. Basis for Allowable Emissions Code: RULE  3. Requested Allowable Emissions and Units: 0.05 %S  2. Future Effective Date of Allowable Emissions: Not Applicable  Emissions: Not Applicable  4. Equivalent Allowable Emissions: 2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charac	ters): None	
1. Basis for Allowable Emissions Code: RULE  3. Requested Allowable Emissions and Units: 0.05 %S  4. Equivalent Allowable Emissions: 2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
1. Basis for Allowable Emissions Code: RULE  3. Requested Allowable Emissions and Units: 0.05 %S  4. Equivalent Allowable Emissions: 2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
1. Basis for Allowable Emissions Code: RULE  3. Requested Allowable Emissions and Units: 0.05 %S  4. Equivalent Allowable Emissions: 2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
1. Basis for Allowable Emissions Code: RULE  3. Requested Allowable Emissions and Units: 0.05 %S  4. Equivalent Allowable Emissions: 2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
RULE  3. Requested Allowable Emissions and Units: 0.05 %S  4. Equivalent Allowable Emissions: 2.04 lb/hour  8.9 tons/year  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
3. Requested Allowable Emissions and Units:  0.05 %S  2.04 lb/hour  8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
0.05 %S     2.04 lb/hour 8.9 tons/year  5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
5. Method of Compliance (limit to 60 characters): Fuel Certification by Supplier  6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	1 •	_		
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	0.00 700	2.04 lb/hour	8.9 tons/year	
	5. Method of Compliance (limit to 60 character	rs): Fuel Certification by	y Supplier	
	6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to	o 200 characters):	
BACT				
$\cdot$	BACT	•		

## 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:
	[X] Rule	[ ] Other
3. Requested Allowable Opacity:		
Normal Conditions: 5% I	Exceptional Conditions:	5%
Maximum Period of Excess Opacity Allov	-	0 min/hour
Facility and		
4. Method of Compliance: Method 9	· · · · · · · · · · · · · · · · · · ·	
W Manager of Compliance Manager		
5. Visible Emissions Comment (limit to 200	characters):	
	,	
BACT: 62-212.400, FAC. This limitation is	more stringent than the N	ESHAP.
;		
		•
		•
Visible Emissions Limitation: Visible Emis	sions Limitation 2 of 2	· · · · · · · · · · · · · · · · · · ·
		)
1. Visible Emissions Subtype: VE10	2. Basis for Allowable (	-
2 Danis de 1 Allanoi 11 Occasión	[X] Rule	[ ] Other
3. Requested Allowable Opacity:		100/
·	Exceptional Conditions:	10%
Maximum Period of Excess Opacity Allov	ved:	0 min/hour
4. Method of Compliance: Method 9		
_		
5 Wieikle Emissions Comment (limit to 200	-h	
5. Visible Emissions Comment (limit to 200	cnaracters):	
40 CIED (2.1248 NOTE		•
40 CFR 63.1347: Mill sweep or air separato	<b>-</b>	ices
40 CFR 63.1348: Affected sources other tha	in raw mili	

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

<u>C0</u>	ontinuous Monitoring System: Continuous	MOD	ntor or
1.	Parameter Code: Not Applicable	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	char	racters):
	<i>:</i>		

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

### **Supplemental Requirements**

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

### 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.	Τ	ype of Emission	s U	nit Addressed in Thi	s Se	ction: (Check one)		
[ X	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.	R	egulated or Unro	egu!	ated Emissions Unit	? (0	Check one)		
[ X	X ] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.							
[	]	The emissions unit.	mit	addressed in this Em	issi	ons Unit Information Sec	ctio	n is an unregulated
		escription of En System	niss	ions Unit Addressed	in 7	This Section (limit to 60 o	chai	racters):
4.		missions Unit Id D: 003	lent	ification Number:			[	] No ID ] ID Unknown
5.		missions Unit tatus Code: A	6.	Initial Startup Date: 1/1/00	7.	Emissions Unit Major Group SIC Code: 32	8.	Acid Rain Unit?
9.	E	missions Unit C	omi	ment: (Limit to 500 C	Chai	acters): None		
			•			•		
				•				•

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### **Emissions Unit Control Equipment**

1.	Control Equipment/Method	Description	(Limit to 200	characters per	device or i	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:		<b>°F</b> `

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

### **Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate:	<b>364</b> 1	mmBtu/hr
2. Maximum Incineration Rate: Not Applicable	lb/hr	tons/day
3. Maximum Process or Throughput Rate: See co	omment	
4. Maximum Production Rate: See comment	- "	
5. Requested Maximum Operating Schedule:		
hours/day		days/week
weeks/year		8760 hours/year
6. Operating Capacity/Schedule Comment (limit	to 200 characte	ers):

#### **Preheater Feed Rate**

149.9 TPH: Air Permit No. 0010087-002-AV, Specific Condition C.1. 191.4 TPH: Air Permit No. 0010087-006-AC, Specific Condition 1.

#### **Clinker Production Rate**

95.8 TPH: Air Permit No. 0010087-002-AV, Specific Condition C.2. 115.0 TPH: Air Permit No. 0010087-006-AC, Specific Condition 1.

### 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 Pl Flow Diagram? E-21	2. Emission Po	oint Type Code: 1		
3. Descriptions of Emission Po 100 characters per point):	oints Comprising	g this Emissions I	Unit for VE Tracking	(limit to
E-21: Main Stack	•		•	
4. ID Numbers or Descriptions	s of Emission Un	its with this Emi	ssion Point in Comm	on:
EU 002: Raw Mill and Air He	ater discharge	through E-21		·
5. Discharge Type Code: V	Discharge Type Code: V 6. Stack Height 250 feet		7. Exit Diameter: 9.42 feet	
```				
8. Exit Temperature: 215 °F	9. Actual Volu Rate: 2250		10. Water Vapor: <b>15%</b>	
11. Maximum Dry Standard Flo 150000 dscfn		12. Nonstack Emission Point Height: Not Applicable feet		feet
13. Emission Point UTM Coord	linates: Optiona	l field left blank		
Zone: E	ast (km):	North (km):		
14. Emission Point Comment (l	imit to 200 chara	acters):		
Fields 8-12 are with kiln and 1	aw mill operati	ing; normal cond	ditions.	
			•	
		•		
•				

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

Segment Description and Rate: Segment 1 of 5

Segment Description (Process/Fuel Type) (limit to 500 characters):					
Mineral Products: Cement N	Aanufacturing -	- Dry Process: P	reheater/Precalciner Kiln		
2. Source Classification Code	e (SCC):	3. SCC Units:	Tons Processed		
3-05-006-23					
4. Maximum Hourly Rate:	4. Maximum Hourly Rate: 5. Maximum A		6. Estimated Annual Activity		
See comment	See comment		Factor: Not Applicable		
7. Maximum % Sulfur:	8. Maximum	% Ash:	9. Million Btu per SCC Unit:		
Not Applicable	Not Applicable	e	Not Applicable		
10. Segment Comment (limit t	o 200 characters	):			
Preheater Feed Rate 149.9 TPH/1,114,350 TPY: A 191.4 TPH/1,331,000 TPY: A			•		

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

1. Segment Description (Process/Fuel Type) (limit to 500 characters):							
Mineral Products: Cement Manufacturing - Dry Process: Preheater/Precalciner Kiln							
2. Source Classification Code (SCC):  3. SCC Units: Tons Clinker							
3-05-006-23							
4. Maximum Hourly Rate: 5. Maximum		Annual Rate:	6. Estimated Annual Activity				
See comment	See comment		Factor: Not Applicable				
7. Maximum % Sulfur:	8. Maximum	% Ash:	9. Million Btu per SCC Unit:				
Not Applicable	Not Applicab	le	Not Applicable				
10. Segment Comment (limit to Clinker Production Rate 95.8 TPH/712,500 TPY: Air 115.0 TPH/800,000 TPY: Air	Permit No. 001	0087-002-AV, S	-				

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

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

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

2. Source Classification Cod	3. SCC Units: Tons Burned			
3-90-002-01				
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	<b>Estimated Annual Activity</b>
14.0	122	640		Factor: Not Applicable
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:
1.25	1	0		26

### Segment Description and Rate: Segment 5 of 5

In-	-Process Fuel Use: Tires				
2.	Source Classification Cod 3-90-012-99	e (SCC):	3. SCC Units	s: To	ns Burned
4.	Maximum Hourly Rate: 4.2	5. Maximum . 36	Annual Rate: 792	6.	Estimated Annual Activity Factor: Not Applicable
7.	Maximum % Sulfur: Not Applicable	8. Maximum Not Applicabl		9.	Million Btu per SCC Unit:

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

4 5 11			4 70 11
1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
•	Device Code	Device Code	Regulatory Code
PM	010	None	EL
			· ·
PM10	010	None	EL
502	None	Nama	177
SO2	None	None	EL
NOx	None	None	EL
			·
CO	None	None	EL
VOC	None	None	EL
VOC		ТОПС	EL
SAM	None	None	EL
H021	None	None	NS
DIOV	. Name	None	17.17
DIOX	None	None	EL
<u> </u>			

### Pollutant Detail Information Page 1 of 9

## G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

**Emissions-Limited and Preconstruction Review Pollutants Only)** 

### **Potential/Fugitive Emissions**

1. Pollutant Emitted: PM	2. Total Percent Efficie	•		
3. Potential Emissions: 30.00 lb/hour	110.50 tons/year	4. Synthetically Limited? [ ]		
5. Range of Estimated Fugitive Emissions: No	· · · · · · · · · · · · · · · · · · ·	Emmed: [ ]		
[ ] 1 [ ] 2 [ ] 3		ns/year		
6. Emission Factor: 0.20 lb/ton dry feed		7. Emissions		
Reference: Permit No. 0010087-002-A	AV, Table II	Method Code: 0		
8. Calculation of Emissions (limit to 600 chara	cters):	_		
8. Calculation of Emissions (limit to 600 characters):  0.20 lb/ton x 149.9 tons/hr = 30.00 lb/hour  @ 1,114,350 tons/yr = 111.4 tons/year				
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):				
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.				

### Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code:	2.	Future Effective	Date of Allowable
	RULE	Emissions: Not Applicable		
3.	Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		vable Emissions:
	0.20 lb/ton dry feed		30.00 lb/hour	110.50 tons/year
5.	Method of Compliance (limit to 60 character	s): N	1ethod 5	
		•		
6.	Allowable Emissions Comment (Desc. of Op	erat	ing Method) (limi	t to 200 characters):
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.				

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### Pollutant Detail Information Page 2 of 9

### **Potential/Fugitive Emissions**

1. Pollutant Emitted: PM10	2. Total Percent Efficiency of Control: 99%			
3. Potential Emissions:		4. Synthetically		
25.50 lb/hour	93.93 tons/year	Limited? [ ]		
5. Range of Estimated Fugitive Emissions: No	t Applicable			
[]1 []2 []3	to to	ns/year		
6. Emission Factor: 0.17 lb/ton dry feed		7. Emissions		
Reference: Permit No. 0010087-002-A	AV, Table II	Method Code: 0		
8. Calculation of Emissions (limit to 600 chara	cters):			
0.17 lb/ton x 149.9 tons/hr = 25.5 lb/hour				
@ 1,114,350  tons/yr = 94.7  tons/year	•			
,				
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charac	ters):		
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.				
Allowable Emissions 1 of 1				
1. Basis for Allowable Emissions Code:	2. Future Effective Da	· ·		
RULE	Emissions: Not Ap			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:		
0.17 lb/ton dry feed	<b>25.50</b> lb/hour	93.93 tons/year		
5. Method of Compliance (limit to 60 character	rs): Method 5 for total P	PM		

0010087-006-AC, Table II.

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

Emission rates are decreased to 0.12 lb/ton, 22.1 lb/hour and 80 tons/year by Permit No.

## Emissions Unit Information Section 3 of 6 Pollutant Detail Information Page 3 of 9

[EU 003 - Kiln System]

### **Potential/Fugitive Emissions**

1. Pollutant Emitted: SO2	2. Total Percent Efficiency of Control:		
	Not Applicable		
3. Potential Emissions:	4. Synthetically		
<b>28.82</b> lb/hour <b>108.55</b> ton	s/year Limited? [ ]		
5. Range of Estimated Fugitive Emissions: No	t Applicable		
	to tons/year		
6. Emission Factor: 0.28 lb/ton clinker	7. Emissions		
Reference: Permit No. 0010087-002-A	Method Code: 0		
8. Calculation of Emissions (limit to 600 chara	cters):		
0.28 lb/ton x 95.8 tons/hour = 26.82 lb/hour @ 712,500 tons/yr = 99.75 tons/year			
·			
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):		
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.			
Allowable Emissions 1 o	of <u>1</u>		
Basis for Allowable Emissions Code:     RULE	2. Future Effective Date of Allowable Emissions: Not Applicable		
4. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		
0.28 lb/ton clinker	28.82 lb/hour 108.55 tons/year		
5. Method of Compliance (limit to 60 character	s): CEM		
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			
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.			

### Pollutant Detail Information Page 4 of 9

### **Potential/Fugitive Emissions**

1. Pollutant Emitted: <b>NO</b> x	2. Total Percent Efficiency of Control:			
·	Not Applicable			
3. Potential Emissions:	4. Synthetically			
<b>268.30</b> lb/hour <b>1018.00</b> ton	s/year Limited? [ ]			
5. Range of Estimated Fugitive Emissions: Not				
	to tons/year			
6. Emission Factor: 2.80 lb/ton Clinker	7. Emissions			
Reference: Permit No. 0010087-002-A	AV, Table II Method Code: 0			
8. Calculation of Emissions (limit to 600 chara	otors):			
8. Calculation of Emissions (finite to 600 chara	ciers).			
2.80 lb/ton x 95.8 tons/hour = $268.24$ lb/hour				
· · · · · · · · · · · · · · · · · · ·				
@ $712,500 \text{ tons/yr} = 997.5 \text{ tons/year}$				
:				
9. Pollutant Potential/Fugitive Emissions Com-	nent (limit to 200 characters):			
Emission rates are changed to 2.45 lb/ton, 271	lb/hour and 980 tons/year by Permit No.			
0010087-006-AC, Table II.				
	0.4			
Allowable Emissions 1 o	<u> 1 1</u>			
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable			
RULE	Emissions: Not Applicable			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
2.80 lb/ton Clinker	268.30 lb/hour 1018.00 tons/year			
	<u> </u>			
5. Method of Compliance (limit to 60 character	s): CEM			
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):			
o. Anowavie Emissions Comment (Desc. of Op-	rading Medical (mint to 200 characters).			
Emission rates are changed to 2.45 lb/ton 271 lb/hour and 000 tons/waar by Darmit No				
Emission rates are changed to 2.45 lb/ton, 271 lb/hour and 980 tons/year by Permit No.				
0010087-006-AC, Table II.				

### Emissions Unit Information Section $\underline{3}$ of $\underline{6}$

[EU 003 - Kiln System]

### Pollutant Detail Information Page 5 of 9

### **Potential/Fugitive Emissions**

1. Pollutant Emitted: CO	Not Applicable			
3. Potential Emissions:	4. Synthetically			
	ns/year Limited? [ ]			
5. Range of Estimated Fugitive Emissions: Not				
[]1 []2 []3	to tons/year			
6. Emission Factor: 3.60 lb/ton Clinker	7. Emissions			
Reference: Permit No. 0010087-002-A	AV, Table II Method Code: 0			
8. Calculation of Emissions (limit to 600 chara	cters):			
3.60 lb/ton x 95.8 tons/hour = 344.88 lb/hour @ 712,500 tons/yr = 1282.5 tons/year				
<ol> <li>Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):</li> <li>Emission rates are decreased to 2.50 lb/ton, 276 lb/hour and 1000 tons/year by Permit No. 0010087-006-AC, Table II.</li> </ol>				
Allowable Emissions Allowable Emissions 1 o	of <u>1</u>			
Basis for Allowable Emissions Code:     RULE	2. Future Effective Date of Allowable Emissions: Not Applicable			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
3.60 lb/ton Clinker	<b>346.38</b> lb/hour <b>1288.60</b> tons/year			
5. Method of Compliance (limit to 60 characters): Method 10				
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
Emission rates are decreased to 2.50 lb/ton, 276 lb/hour and 1000 tons/year by Permit No. 0010087-006-AC, Table II.				

## Emissions Unit Information Section 3 of 6 Pollutant Detail Information Page 6 of 9

[EU 003 - Kiln System]

### **Potential/Fugitive Emissions**

1. Pollutant Emitted: VOC	2. Total Percent Efficie	ency of Control:	
	Not App	licable	
3. Potential Emissions:		4. Synthetically	
11.55 lb/hour	<b>42.90</b> tons/year	Limited? [ ]	
5. Range of Estimated Fugitive Emissions: No			
	to to	ns/year	
6. Emission Factor: 0.12 lb/ton Clinker		7. Emissions	
Reference: Permit No. 0010087-002-A	AV, Table II	Method Code: 0	
8. Calculation of Emissions (limit to 600 chara	cters):		
0.12 lb/ton x 95.8 tons/hour = 11.5 lb/hour @ 712,500 tons/yr = 42.8 tons/year			
		•	
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charact	ters):	
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.			
Allowable Emissions 1 o	of <u>1</u>		
1. Basis for Allowable Emissions Code:	2. Future Effective Da	te of Allowable	
RULE	Emissions: Not Ap	plicable	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowab	le Emissions:	
0.12 lb/ton Clinker	11.55 lb/hour	42.90 tons/year	
5. Method of Compliance (limit to 60 character	rs): Method 25/25A		
(CEM for reasonable assurance only)			
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to	200 characters):	
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.			

### Emissions Unit Information Section $\underline{3}$ of $\underline{6}$

[EU 003 - Kiln System]

### Pollutant Detail Information Page 7 of 9

### **Potential/Fugitive Emissions**

1. Pollutant Emitted: SAM	2. Total Percent Efficie	ency of Control:
	Not App	•
3. Potential Emissions:		4. Synthetically
0.25 lb/hour	1.00 tons/year	Limited? [ ]
5. Range of Estimated Fugitive Emissions: Not		<u>,</u>
		ns/year
6. Emission Factor: 0.0025 lb/ton Clinker		7. Emissions
		Method Code: 3
Reference: Permit No. 0010087-002-A	AV, Table II	
8. Calculation of Emissions (limit to 600 chara	cters):	
The second of Emiliano (mine to 500 office	· · · · · · · · · · · · · · · · · · ·	
$0.0025 \text{ lb/ton } \times 95.8 \text{ tons/hour} = 0.24 \text{ lb/hour}$		
(a) $712,500 \text{ tons/yr} = 0.89 \text{ tons/year}$		
·		
	·	
O Pallistant Patential/Fraction Fraction Com		tous). Nous
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charac	ters): None
•		•
Allowable Emissions 1 o	of <u>1</u>	
1. Basis for Allowable Emissions Code:	2. Future Effective Da	ite of Allowable
RULE	Emissions: Not Ap	plicable
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	
0.0025 lb/ton Clinker	<b>0.25</b> lb/hour	1.00 tons/year
5. Method of Compliance (limit to 60 character	rs): Method 8	
o. Monor of compliance (mare to co character)		
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to	o 200 characters):
None	· ·	
		•

## Emissions Unit Information Section 3 of 6 Pollutant Detail Information Page 8 of 9

[EU 003 – Kiln System]

### **Potential/Fugitive Emissions**

1. Pollutant Emitted: <b>H021 – Beryllium</b> 2. Total Percent Efficient		ency of Control:	
Not App		plicable	
3. Potential Emissions: No applicable requirement		4. Synthetically	
		/year	Limited? [ ]
5.	Range of Estimated Fugitive Emissions: Not	_	
		to to	ons/year
6.	Emission Factor:		7. Emissions
	Reference:		Method Code: 3
8.	Calculation of Emissions (limit to 600 chara	cters):	
	•		
	•		
	:		·
			•
_	·		
9.	Pollutant Potential/Fugitive Emissions Comm	nent (limit to 200 charac	eters):
	rmittee requests that references to berylliumere is no longer an applicable requirement.		·
the	<u>-</u>	m be removed from the	·
the	ere is no longer an applicable requirement.	m be removed from the	Title V Permit, as
<u>All</u>	ere is no longer an applicable requirement.  lowable Emissions Allowable Emissions	of	ate of Allowable
All 1. 3.	lowable Emissions Allowable Emissions Basis for Allowable Emissions Code: N/A	of  2. Future Effective Defenissions:  4. Equivalent Allowa	ate of Allowable
All 1. 3.	lowable Emissions Allowable Emissions Basis for Allowable Emissions Code: N/A Requested Allowable Emissions and Units:	of  2. Future Effective Defenissions:  4. Equivalent Allowa	ate of Allowable
All 1. 3.	lowable Emissions Allowable Emissions Basis for Allowable Emissions Code: N/A Requested Allowable Emissions and Units:	of  2. Future Effective Defenissions:  4. Equivalent Allowa	ate of Allowable
All 1. 3. 5.	Basis for Allowable Emissions Code: N/A  Requested Allowable Emissions and Units:  Method of Compliance (limit to 60 character	of  2. Future Effective Defenissions: 4. Equivalent Allowa	ate of Allowable
All 1. 3. 5.	lowable Emissions Allowable Emissions Basis for Allowable Emissions Code: N/A Requested Allowable Emissions and Units:	of  2. Future Effective Defenissions: 4. Equivalent Allowa	ate of Allowable
All 1. 3. 5.	Basis for Allowable Emissions Code: N/A  Requested Allowable Emissions and Units:  Method of Compliance (limit to 60 character	of  2. Future Effective Defenissions: 4. Equivalent Allowa	ate of Allowable
All 1. 3. 5.	Basis for Allowable Emissions Code: N/A  Requested Allowable Emissions and Units:  Method of Compliance (limit to 60 character	of  2. Future Effective Defenissions: 4. Equivalent Allowa	ate of Allowable
All 1. 3. 5.	Basis for Allowable Emissions Code: N/A  Requested Allowable Emissions and Units:  Method of Compliance (limit to 60 character	of  2. Future Effective Defenissions: 4. Equivalent Allowa	ate of Allowable

### **Potential/Fugitive Emissions**

1.	Pollutant Emitted: DIOX	2. Total Percent Ef	ficiency of Control:	
		Not a	Applicable	
3.	Potential Emissions:		4. Synthetically	
	<b>0.00000014</b> lb/hour <b>0.0000006</b> to	ns/year	Limited? [ ]	
5.	Range of Estimated Fugitive Emissions: No	Applicable	,	
	[ ] 1 [ ] 2 [ ] 3	to	_ tons/year	
6.	Emission Factor: 1.7 x 10 <sup>-10</sup> gr/dscf TEQ at	7% O <sub>2</sub>	7. Emissions	
	Reference: 40 CFR 63.1343(b)(3)		Method Code: 0	
_	Calculation of Emissions (limit to 600 chara	cters):		
<ul> <li>8. Calculation of Emissions (limit to 600 characters):</li> <li>1.7 x 10<sup>-10</sup> 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</li> <li>@ 8760 hours/yr = 0.0000006 tons/year</li> </ul>				
1.7 gr @	x 10 <sup>-10</sup> gr/dscf x 150000 dscfm x (20.9 – 12 = 0.0000014 lb/hour	2.0)/(20.9 – 7.0) x 60		

### Allowable Emissions 1 of 1

4 8 8 1	THOWADIC EMISSIONS 1 OF	` =			
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Allowable		
	RULE		Emissions: N/A		
3.	Requested Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:		
	1.7 x $10^{-10}$ gr/dscf TEQ at 7% $O_2$	0.0	0000014 lb/hour 0.0000006 tons/year		
5.	Method of Compliance (limit to 60 character	s): M	lethod 23		
	- · · · · · · · · · · · · · · · · · · ·				
	·				
6.	Allowable Emissions Comment (Desc. of Op	erati	ng Method) (limit to 200 characters):		
NESHAP Subpart LLL: 40 CFR 63.1343(b)(3)					
	·		•		

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1.	Visible Emissions Subtype: VE10	2. Basis for Allowable Opa	ncity:
		[X] Rule [	] Other
3.	Requested Allowable Opacity:		
	Normal Conditions: 10% Ex	cceptional Conditions:	10%
	Maximum Period of Excess Opacity Allowe	ed:	0 min/hour
4.	Method of Compliance: Method 9	•	<del></del>
	·	•	
5.	Visible Emissions Comment (limit to 200 c	haracters): BACT	
1	is visible emissions limitation is more strip	ngent than required by 40 C.	FR
63.	.1343(b)(2).		
		·	
	· · · · · · · · · · · · · · · · · · ·		
		•	
<u>Vi</u>	sible Emissions Limitation: Visible Emissi	ons Limitation <u>2</u> of <u>2</u>	
1.	Visible Emissions Subtype: VE20	2. Basis for Allowable Opa	city:
	,	X Rule	Other
3.	Requested Allowable Opacity:	<u> </u>	
		cceptional Conditions:	20%
	Maximum Period of Excess Opacity Allowe	-	0 min/hour
	· · · · · · · · · · · · · · · · · · ·		
4.	Method of Compliance: Method 9		-
	•		
		<u> </u>	
5.	Visible Emissions Comment (limit to 200 c	haracters):	
40	CFR 63.1343(b)(2)		
	•		

DEP Form No. 62-210.900(1) - Form

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

Continuous Monitoring System: Continuous Monitor 1 of 5

1. Parameter Code: VE	2. Pollutant(s): Opacity		
3. CMS Requirement:	[X] Rule [ ] Other		
4. Monitor Information:	·		
Manufacturer: Sick AG Environmental	Monitoring		
Model Number: OMD41	Serial Number: 00035 8008		
5. Installation Date: 12/2000	6. Performance Specification Test Date: 1/17/2001		
7. Continuous Monitor Comment (limit to 200	) characters):		
COMS was recertified in July 2001			
NESHAP Subpart LLL: 40 CFR 60.1350(c)(1)			
Continuous Monitoring System: Continuous	<del></del>		
1. Parameter Code: EM	2. Pollutant(s): SO2, NOx		
3. CMS Requirement:	[X] Rule [ ] Other		
4. Monitor Information:  Manufacturer: Sick AG Environmental  Model Number: GM31-3	Monitoring Serial Number: 8040 8002		
5. Installation Date: 12/2000	6. Performance Specification Test Date: 1/17/2001		
7. Continuous Monitor Comment (limit to 200	characters): BACT		
CEMS was recertified in July 2001			

### Continuous Monitoring System: Continuous Monitor 3 of 5

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

### Continuous Monitoring System: Continuous Monitor 4 of 5

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

### Continuous Monitoring System: Continuous Monitor 5 of 5

1.	Parameter Code: FLOW	2.	Pollutant	(s): Not Applicable
3.	CMS Requirement:	[	] Rule	[X] Other
4.	Monitor Information:			
	Manufacturer: Sick AG Environmental	Mo	nitoring	•
	Model Number: FLSE160-350		Se	erial Number: 7042096
5.	Installation Date:	6.	Performa	nce Specification Test Date:
			•	7/20/2000
7.	Continuous Monitor Comment (limit to 200	cha	racters): N	one

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

### **Supplemental Requirements**

_	
1.	Process Flow Diagram
	[ ] Attached, Document ID: [ ] Not Applicable [X] Waiver Requested
Or	n file with Department
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [ ] Not Applicable [X] Waiver Requested
Or	n file with Department
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID: [ ] Not Applicable [X] Waiver Requested
Or	n file with Department
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [ ] Not Applicable [X] Waiver Requested
Or	i file with Department
5.	Compliance Test Report: To be provided under separate cover
	[ ] Attached, Document ID:
	Previously submitted, Date:
	Treviously sublimited, Date
	[ ] Not Applicable
-	
6.	Procedures for Startup and Shutdown
_	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
	be provided under separate cover
7	Operation and Maintenance Plan
,.	•
	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
To	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested be provided under separate cover
To	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
To	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested be provided under separate cover
To	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested  be provided under separate cover  Supplemental Information for Construction Permit Application
<u>To</u> 8.	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested  be provided under separate cover  Supplemental Information for Construction Permit Application
<u>To</u> 8.	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested  be provided under separate cover  Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [ X ] Not Applicable [ ] Waiver Requested
<u>To</u> 8.	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested  be provided under separate cover  Supplemental Information for Construction Permit Application [ ] Attached, Document ID: [ X ] Not Applicable [ ] Waiver Requested  Other Information Required by Rule or Statute
<b>To</b> 8.	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested  be provided under separate cover  Supplemental Information for Construction Permit Application [ ] Attached, Document ID: [ X ] Not Applicable [ ] Waiver Requested  Other Information Required by Rule or Statute

### 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 Emission	ns Unit Addressed in This	s Section: (Check one)		
[ X	[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).				
[	process or prod		n addresses, as a single emis s which has at least one defi sitive emissions.		
[	-		n addresses, as a single emis s which produce fugitive em	-	
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)		
[ X	The emissions emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is a regulated	
[	[ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.				
3.	3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):				
Cli	Clinker Handling				
4.	Emissions Unit Io ID: 004	dentification Number:		[ ] 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 C	Comment: (Limit to 500 C	Characters): None		

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#### **Emissions Unit Control Equipment**

1. Control Equipment/Method Description (Limit to 200 characters per device or m	netnoc	a)
----------------------------------------------------------------------------------	--------	----

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

3. Incinerator Information: Not Applicable
Dwell Temperature:

Dwell Time:
Incinerator Afterburner Temperature:

"F

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

### **Emissions Unit Operating Capacity and Schedule**

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

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

### **List of Applicable Regulations**

#### **NESHAP Subpart LLL:**

40 CFR 63.1345

40 CFR 63.1348

40 CFR 63.1349(a)

40 CFR 63.1349(b)(1)

40 CFR 63.1349(c)

40 CFR 63.1350(a)

40 CFR 63.1350(b)

40 CFR 63.1350(d)(1)

40 CFR 63.1350(d)(3)

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 P Flow Diagram? <b>K-15, L-0</b> 3		2. Emission Po	oint Type Code: 3	
3. Descriptions of Emission P 100 characters per point):	oints Comprising	g this Emissions (	Jnit for VE Tracking (limit to	
K-15: Clinker Cooler Stack			•	
L-03: Clinker Transport				
L-06: Clinker Silos				
L-08: Clinker Silos (new bagl	1ouse)			
4. ID Numbers or Description	s of Emission Ur	nits with this Emi	ssion Point in Common:	
Not Applicable				
5. Discharge Type Code: V	6. Stack Heigh	ht:	7. Exit Diameter:	
	115 feet		9 feet	
8. Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:	
<b>480</b> °F	Rate: 1600	000 acfm	Not Applicable %	
11. Maximum Dry Standard Flo	ow Rate:	12. Nonstack Er	nission Point Height:	
. Not Applicable	dscfm	Not Applicable	feet	
13. Emission Point UTM Coore	linates: Optiona	l field left blank		
Zone: E	ast (km):	North	n (km):	
14. Emission Point Comment (	limit to 200 chara	acters):		
K-15 is representative emission point with greatest emission rate.				
			•	
			·	

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

### Segment Description and Rate: Segment 1 of 2

	<u> </u>	<u> </u>		
1. Segment Description (Process/Fuel Type) (limit to 500 characters):				
Mineral Products: Cement N	Aanufacturing -	- Dry Process: (	Clinker Cooler	
•		•		
•				
2. Source Classification Code 3-05-006-14	e (SCC):	3. SCC Units	: Tons Processed	
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity	
See comment	See co	mment	Factor: Not Applicable	
7. Maximum % Sulfur:	8. Maximum	% Ash:	9. Million Btu per SCC Unit:	
Not Applicable	Not Applicable Not Applicable			
10. Segment Comment (limit t	to 200 characters	):		
95.8 TPH/712,500 TPY: Air 115.0 TPH/800,000 TPY: Air		· ·	<del>-</del>	
	·			

#### Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters):			
Mineral Products: Cement Manufacturing – Dry Process: Clinker Silos			
2. Source Classification Code (SCC): 3. SCC Units: Tons Processed 3-05-006-15			
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity
See comment	See co	mment	Factor: Not Applicable
7. Maximum % Sulfur:	8. Maximum % Ash: 9. Million Btu per SCC Unit:		
Not Applicable	Not Applicabl	e	Not Applicable
10. Segment Comment (limit to 200 characters):			
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.

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

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

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

#### **Potential/Fugitive Emissions**

-	D. H D. L I. DR. E.	_	E : 1 D : E 67 :		
1.	Pollutant Emitted: PM	2.	Total Percent Efficie	ncy	of Control:
			99%	<u>6</u>	•
3.	Potential Emissions:		_	4.	Synthetically
	<b>14.99</b> lb/hour	•	55.70 tons/year		Limited? [ ]
5.	Range of Estimated Fugitive Emissions: No	t Ap	plicable	•	
	[ ] 1 [ ] 2 [ ] 3		to to	ns/y	ear
6.	Emission Factors: 0.10 lb/ton dry feed			7.	Emissions
	Reference: Permit No. 0010087-002-A	۸V,	Table II		Method Code: 0
8.	Calculation of Emissions (limit to 600 chara	cter	s):		
	; .		-7.		
0.1	0 lb/ton x 149.9 tons/hr = 14.99 lb/hour		,		
	1,114,350  tons/yr = 55.7  tons/year				
w	W 1,114,550 tousiyi — 55.7 tousiyear				
9.	9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):				
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.				
_0.				,	
			-		

### Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable			
RULE	Emissions: Not Applicable			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
0.10 lb/ton dry feed	<b>14.99</b> lb/hour	55.70 tons/year		
5. Method of Compliance (limit to 60 characters): Method 5				
		·		
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
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.				

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### **Potential/Fugitive Emissions**

1.	Pollutant Emitted: PM10	2. Total Percent Efficiency of Control:		
		999	<b>%</b>	
3.	Potential Emissions:		4. Synthetically	
	12.71 lb/hour	47.34 tons/year	Limited? [ ]	
5.	Range of Estimated Fugitive Emissions: No	• •		
	[ ] 1 [ ] 2 [ ] 3	to to	ns/year	
6.	Emission Factors: 0.09 lb/ton dry feed		7. Emissions	
	Reference: Permit No. 0010087-002-A	AV, Table II	Method Code: 0	
8.	Calculation of Emissions (limit to 600 chara	cters):		
0.09 lb/ton x 149.9 tons/hr = 13.5 lb/hour @ 1,114,350 tons/yr = 50.1 tons/year				
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):				
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.				

### Allowable Emissions 1 of 1

Basis for Allowable Emissions Code:     RULE	2. Future Effective Date of Allowable Emissions: Not Applicable			
3. Requested Allowable Emissions and Units:  0.09 lb/ton clinker	4. Equivalent Allowable Emissions:  12.71 lb/hour  47.34 tons/year			
5. Method of Compliance (limit to 60 characters): Method 5 for total PM				
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				
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.				

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

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>

1. Visible Emissions Subtype: <b>VE05</b>	2. Basis for Allowable Opacity:	
	[X] Rule	[ ] Other
3. Requested Allowable Opacity:		
Normal Conditions: 5%	<b>Exceptional Conditions:</b>	5%
Maximum Period of Excess Opacity A	-	0 min/hour
4. Method of Compliance: Method 9		
	,	
5. Visible Emissions Comment (limit to	200 characters):	
	. •	
BACT: 62-212.400, FAC. This limitation	<del>-</del>	ESHAP. For
emission points except the clinker coole	er.	
•		
Visible Emissions Limitation: Visible E	Emissions Limitation 2 of 2	
1. Visible Emissions Subtype: VE10	2. Basis for Allowable (	 )nacity:
1. Visiole Emissions Suotype. VERV	[X] Rule	[ ] Other
3. Requested Allowable Opacity:		Outer
Normal Conditions: 10%	Exceptional Conditions:	10%
Maximum Period of Excess Opacity A	<b>_</b>	0 min/hour
Maximum 1 cried of Excess Opacity P	Moweu.	• min/nour
4. Method of Compliance: Method 9		
4. Method of Compilance. Method 7		
5. Visible Emissions Comment (limit to	200 characters):	
	_ o o onmanoioj.	
BACT		
40 CFR 63.1345(a)(2) for clinker cooler	•	
40 CFR 63.1348 for other emission point		
40 Clix 05.1540 for other emission poin	165	
	4.7	

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

Continuous Monitoring System: Continuous Monitor 1 of 1

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

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

### **Supplemental Requirements**

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

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

11.	A	Iternative Methods of Operation	
	[	Attached, Document ID: [X	[ ] Not Applicable
		Iternative Modes of Operation (Emissions	——————————————————————————————————————
1	[	Attached, Document ID: [X	[ ] Not Applicable
13.	Ide	entification of Additional Applicable Requ	uirements
· 1	[ .	] Attached, Document ID: [X	[] Not Applicable
14.	Со	ompliance Assurance Monitoring Plan	
		Attached, Document ID: [X	[ ] Not Applicable
15.	A	cid Rain Part Application (Hard-copy Rec	uired)
l		] Acid Rain Part - Phase II (Form No. 6: Attached, Document ID:	2-210.900(1)(a))
Į	[	] Repowering Extension Plan (Form No Attached, Document ID:	o. 62-210.900(1)(a)1.)
•	[	New Unit Exemption (Form No. 62-21) Attached, Document ID:	10.900(1)(a)2.)
ļ		] Retired Unit Exemption (Form No. 62 Attached, Document ID:	-210.900(1)(a)3.)
I		] Phase II NOx Compliance Plan (Form Attached, Document ID:	No. 62-210.900(1)(a)4.)
(		] Phase II NOx Averaging Plan (Form N Attached, Document ID:	Jo. 62-210.900(1)(a)5.)
Į	[ <b>X</b>	[ ] 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 Emission	ns Unit Addressed in This	s Section: (Check one)	÷	
.[ X	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).				
[	process or prod		n addresses, as a single emises s which has at least one defin gitive emissions.		
[	- ·		n addresses, as a single emisses which produce fugitive em	-	
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)		
[ X	The emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is a regulated	
[	[ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.				
3.	3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):				
Fir	nish Grinding Op	erations			
4.		dentification Number:		[ ] No ID	
	ID: <b>005</b>			[ ] 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.	9. Emissions Unit Comment: (Limit to 500 Characters): None				

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#### **Emissions Unit Control Equipment**

	1.	Control Equipment/Method	Description (	Limit to 200	characters i	per device o	r 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

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

### **Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat I	nput Rate: Not Applicable	mmBtu/hr
2. Maximum Incine	ration Rate: Not Applicable lb/hr	tons/day
3. Maximum Proces	ss or Throughput Rate: Not Applicable	·
. Maximum Produ	ction Rate: 136 TPH	
Requested Maxin	num Operating Schedule:	
	hours/day	days/week
	weeks/year	8760 hours/year
136 TPH Cement O	ty/Schedule Comment (limit to 200 characutput: Air Permit No. 0010087-002-AV, Air Permit No. 0010087-006-AC, Table 1	Table 1.
136 TPH Cement O	ty/Schedule Comment (limit to 200 charactutput: Air Permit No. 0010087-002-AV,	Table 1.
136 TPH Cement O	ty/Schedule Comment (limit to 200 charactutput: Air Permit No. 0010087-002-AV,	Table 1.
36 TPH Cement O	ty/Schedule Comment (limit to 200 charactutput: Air Permit No. 0010087-002-AV,	Table 1.
136 TPH Cement O	ty/Schedule Comment (limit to 200 charactutput: Air Permit No. 0010087-002-AV,	Table 1.
136 TPH Cement O	ty/Schedule Comment (limit to 200 charactutput: Air Permit No. 0010087-002-AV,	Table 1.
36 TPH Cement O	ty/Schedule Comment (limit to 200 charactutput: Air Permit No. 0010087-002-AV,	Table 1.
36 TPH Cement O	ty/Schedule Comment (limit to 200 charactutput: Air Permit No. 0010087-002-AV,	Table 1.

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

#### **List of Applicable Regulations**

#### **NESHAP Subpart LLL:**

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 Pl	lot Plan or	2. Emission Po	oint Type Code: 3			
Flow Diagram?			•			
M-08, N-09, N-12, N-91, Q-25, Q-26						
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to						
100 characters per point):						
Par Parisy	100 characters per point).					
Emission Points are identified	l as follows:					
(EP02)- Clinker to finish Mill						
(EP03)- Finish mill air separa						
(EP04)- Finish Mill- N-12						
(EP05)-Cement Handling in I	inish Mill- N-9	1				
(EP06)- Cement storage silos-		_				
(EP07) -Cement storage silos-	_	•	·			
(Ex 0.) Comment storage shop	<b>~</b> ·		·			
4. ID Numbers or Descriptions	s of Emission Ur	its with this Emi	ssion Point in Common			
··· ·· · · · · · · · · · · · · · · · ·						
Not Applicable		·				
5. Discharge Type Code: V	6. Stack Heigh	ht:	7. Exit Diameter:			
	123 feet		<b>3.1</b> feet			
·						
8. Exit Temperature:	9. Actual Volu	umetric Flow	10. Water Vapor:			
· 210 °F	Rate: 3000	00 acfm	2 %			
			_ , _			
11. Maximum Dry Standard Flo	w Rate:	12. Nonstack Er	nission Point Height:			
<b>23200</b> dscfi		Not Applicable	. •			
13. Emission Point UTM Coordinates: Not Available within 0.01 Kilometer						
Zone: E	ast (km):	Nortl	h (km):			
14. Emission Point Comment (limit to 200 characters):						
N-12 is representative emission point with greatest emission rate.						

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Pro-	1. Segment Description (Process/Fuel Type) (limit to 500 characters):						
Mineral Products: Cement Manufacturing – Dry Process: Finish Grinding Mill							
2. Source Classification Cod 3-05-006-17	2. Source Classification Code (SCC): 3. SCC Units: Tons Processed 3-05-006-17						
4. Maximum Hourly Rate: 136	5. Maximum 1,19	Annual Rate:	6. Estimated Annual Activity Factor: Not Applicable				
7. Maximum % Sulfur: Not Applicable	8. Maximum Not Applicable		9. Million Btu per SCC Unit: Not Applicable				
10. Segment Comment (limit to 200 characters): None							

# F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	Primary Control     Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	016	None	EL
PM10	016	None	NS
:			
i			
			·
		,	
~			
		,	
			·
			,

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### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

#### **Potential/Fugitive Emissions**

1. Pollutant Emitted: PM	2. Total Percent Efficiency of Control:				
·	99%				
3. Potential Emissions:		4. Synthetically			
6.20 lb/hour	27.2 tons/year	Limited? [ ]			
5. Range of Estimated Fugitive Emissions: No					
	to to	ns/year			
6. Emission Factors: 0.01 gr/dscf		7. Emissions			
Reference: BACT		Method Code: 0			
8. Calculation of Emissions (limit to 600 chara	cters):				
Baghouses					
$0.01 \text{ gr/dscf } \times 72293 \text{ dscfm } \times 60 \text{ min/hr } \times 1 \text{ lb/}$	/7000 gr = 6.20 lb/hour				
@ 8760 hours/year = 27.2 tons/year	, <b>.</b>	•			
, and the second					
9. Pollutant Potential/Fugitive Emissions Com-	ment (limit to 200 charac	ters): None			
1 Tollumit Tolentian agrive Emissions Com	ment (innt to 200 charac	tors). Induc			
Allowable Emissions Allowable Emissions 1 o	of 1				
		4 <b>C</b> A 11 1.1			
1. Basis for Allowable Emissions Code:	2. Future Effective Da	· ·			
RULE	Emissions: Not Ap				
3. Requested Allowable Emissions and Units:	4. Equivalent Allowab	ole Emissions:			
0.01 gr/dscf	<b>6.20</b> lb/hour	27.2 tons/year			
5. Method of Compliance (limit to 60 characters): Method 5					
•					
6 Alleman Deviations Command (Deviation Method) (limited 200 d					
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):					
BACT: 62-212.400, FAC					
DACI. UZ-ZIZ.TUU, PAC					
	•				

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1.	Visible Emissions Subtype: VE05	2. Basis for Allowable Op	pacity:			
	<u> </u>	[X] Rule	] Other			
3.	Requested Allowable Opacity:					
ł	Normal Conditions: 5% Ex	cceptional Conditions:	5%			
	Maximum Period of Excess Opacity Allowe	ed:	0 min/hour			
4.	Method of Compliance: Method 9					
	-					
5.	Visible Emissions Comment (limit to 200 cl	haracters):				
BA	ACT: 62-212.400, FAC. This limitation is n	nore stringent than the NE	SHAP.			
	l l	•				
	•					
<u>Vi</u>	sible Emissions Limitation: Visible Emissi	ons Limitation 2 of 2				
1.	Visible Emissions Subtype: VE10	2. Basis for Allowable Or	pacity:			
	•	[X] Rule [	Other			
3.	Requested Allowable Opacity:	<u> </u>				
	Normal Conditions: 10% Ex	ceptional Conditions:	10%			
	Maximum Period of Excess Opacity Allowe	•	0 min/hour			
	•	·				
4.	Method of Compliance: Method 9	•				
	•					
5.	Visible Emissions Comment (limit to 200 cl	haracters):				
	CFR 63.1347: Finish mill air sweep or air	separator pollution contro	l devices			
40	CFR 63.1348: Other affected sources					
	•		•			

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

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

#### **Supplemental Requirements**

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

### 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.	1. Type of Emissions Unit Addressed in This Section: (Check one)							
[ X	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).							
[	]	process or prod	ucti		św.	ldresses, as a single emis hich has at least one defi e emissions.	, 0 1	
[	]					ldresses, as a single emis hich produce fugitive em		;
2.	R	egulated or Unr	egul	ated Emissions Unit	? ((	Check one)		٦
[ X	[]	The emissions uemissions unit.	ınit	addressed in this Em	issi	ons Unit Information Sec	ection is a regulated	
[	]	The emissions unit.	ınit	addressed in this Em	issi	ons Unit Information Sec	ection is an unregulated	
3.	D	escription of En	niss	ions Unit Addressed	in T	This Section (limit to 60 c	characters):	
Ce	m	ent Handling, L	oac	ling, and Bagging				
4.		missions Unit Id D: <b>006</b>	lenti	fication Number:			[ ] No ID [ ] ID Unknown	
5.		missions Unit tatus Code: A	6.	Initial Startup Date: 1/1/00	7.	Emissions Unit Major Group SIC Code: 32	8. Acid Rain Unit?	
9.	Е	missions Unit C	omi	nent: (Limit to 500 C	Char	acters): None		٦
							. • .	
								- 1

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#### **Emissions Unit Control Equipment**

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

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 MW3. Incinerator Information: Not Applicable

Dwell Temperature: ٥F **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: Not Applicable		mmBtu/hr			
2.	Maximum Incineration Rate: Not Applicable	lb/hr	tons/day			
3.	Maximum Process or Throughput Rate: 500 tons per hour of cement silo unloading					
4.	Maximum Production Rate: Not Applicable	_				
5.	Requested Maximum Operating Schedule:					
	hours/day		days/week			
	weeks/year	·	8760 hours/year			
6.	Operating Capacity/Schedule Comment (limit	to 200 characters):	None			
	·					
		•				

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

#### List of Applicable Regulations

#### **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 P		2. Emission Point Type Code: 3	
Flow Diagram? Q-14, Q-17	/, Q-21, R-12		•
3. Descriptions of Emission P	oints Comprising	g this Emissions l	Unit for VE Tracking (limit to
100 characters per point):	•		
Q-14, Q-17, Q-21: Cement sile	o loadout	•	•
R-12: Cement bagging operat			•
	,		
4. ID Numbers or Description	s of Emission Ur	nits with this Emi	ssion Point in Common:
Not Applicable			
5. Discharge Type Code: V			7. Exit Diameter:
	100 feet		<b>2.0</b> feet
8. Exit Temperature:	9. Actual Volumetric Flow		10. Water Vapor:
150 °F	Rate: 12000 acfm		2 %
11. Maximum Dry Standard Flo	imum Dry Standard Flow Rate: 12. Nonstack Emission Point Height:		mission Point Height:
10200 dscfi	m	Not Applicable feet	
13. Emission Point UTM Coord	linates: Optiona	l field left blank	
Zone: East (km): North (km):		n (km):	
14. Emission Point Comment (I	imit to 200 chara	acters):	
R-12 is representative emission	n naint with gr	eatest emission r	rate
12 is representative emission	n point with Gr	· · · · · · · · · · · · · · · · · · ·	

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

Segment Description and Rate: Segment 1 of 1

			<u> </u>
1. Segment Description (Process/Fuel Type) (limit to 500 characters):			
Mineral Products: Cement Manufacturing – Dry Process: Cement Loadout			
2. Source Classification Code (SCC): 3. SCC Units: Tons Processed			
3-05-006-19			•
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity
500	119:	1360	Factor: Not Applicable
7. Maximum % Sulfur:	8. Maximum <sup>o</sup>	% Ash:	9. Million Btu per SCC Unit:
Not Applicable	Not Applicable Not Applicable		
10. Segment Comment (limit to 200 characters): Annual rate limited by cement production			
<u> </u>		-	

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

1. Pollutant Emitted	Primary Control     Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	018	None	EL
PM10	018	None	NS
			,
:			
		·	
		;	

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# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

#### **Potential/Fugitive Emissions**

. Pollutant Emitted: PM 2. Total Percent Efficiency of Control		ency of Control:	
·	99%		
3. Potential Emissions:	<u> </u>	4. Synthetically	
1.53 lb/hour	6.7 tons/year	Limited? [ ]	
5. Range of Estimated Fugitive Emissions: No	t Applicable		
		ns/year	
6. Emission Factors: 0.01 gr/dscf		7. Emissions	
Reference: BACT		Method Code: 0	
8. Calculation of Emissions (limit to 600 chara	cters):		
	,		
Baghouses			
0.01 gr/dscf x 17814 dscfm x 60 min/hr x 1 lb/	/7000  gr = 1.53  lb/hour		
@ 8760 hours/year = 6.7 tons/year			
9. Pollutant Potential/Fugitive Emissions Com-	ment (limit to 200 charac	ters): None	
•		•	
Allowable Emissions Allowable Emissions 1 o	of <u>1</u>		
1. Basis for Allowable Emissions Code:	2. Future Effective Da	te of Allowable	
RULE	Emissions: Not Ap	plicable	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:	
0.01 gr/dscf	1.53 lb/hour	6.7 tons/year	
5. Method of Compliance (limit to 60 characters): Method 5			

BACT: 62-212.400, FAC

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

### Emissions Unit Information Section 6 of 6 [EU 006 - Cement Handling]

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

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>

1. Visible Emissions Subtype: VE05	2. Basis for Allowable Opacity:		
	[X] Rule [	] Other	
3. Requested Allowable Opacity:			
Normal Conditions: 5% Ex	cceptional Conditions:	5%	
Maximum Period of Excess Opacity Allowe	ed:	0 min/hour	
4. Method of Compliance: Method 9			
		•	
5. Visible Emissions Comment (limit to 200 c	haracters):		
DACT. (2.212.400 FAC This limitation is a	and stringers than the NEC	TTAD	
BACT: 62-212.400, FAC. This limitation is n	nore stringent than the NES	HAP.	
<u> </u>	···		
Visible Emissions Limitation: Visible Emissi	ons Limitation 2 of 2		
1. Visible Emissions Subtype: VE10	2. Basis for Allowable Opa	icity:	
	[X] Rule [	] Other	
3. Requested Allowable Opacity:		-	
Normal Conditions: 10% Ex	cceptional Conditions:	10%	
Maximum Period of Excess Opacity Allowe	ed:	0 min/hour	
4. Method of Compliance: Method 9	•		
5. Visible Emissions Comment (limit to 200 cl	haracters):		
40 CTD (2 1242			
40 CFR 63.1348			

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### Emissions Unit Information Section 6 of 6 [EU 006 - Cement Handling]

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

<u>Co</u>	Continuous Monitoring System: Continuous Monitor of		
1.	Parameter Code: Not Applicable	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	cha	aracters):
	:		

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

#### **Supplemental Requirements**

1.	Process Flow Diagram
	[ ] Attached, Document ID: [ ] Not Applicable [X] Waiver Requested
Or	i file with Department
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID: [ ] Not Applicable [X] Waiver Requested
Or	i file with Department
	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [ ] Not Applicable [X] Waiver Requested
On	file with Department
5.	Compliance Test Report: To be provided under separate cover
	[ ] Attached, Document ID:
	[ ] Previously submitted, Date:
	[ ] Not Applicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
	be provided under separate cover
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
_	be provided under separate cover
8.	Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [X] Not Applicable
10.	Supplemental Requirements Comment: None

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### Emissions Unit Information Section 6 of 6 [EU 006 - Cement Handling]

### 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
12 Ti-u(C-4) CA ii/4' 1 A - 1' 1 D 1
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

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