

Department of Environmental Protection For All Protection TITLE V SOURCE TITLE V SOURCE

APPLICATION FOR AIR PERMIT - TITLE V SOURCE

I. APPLICATION INFORMATION

Identification of Facility

1.	Facility Owner/Company Name: Suwannee American Cement			
2.	Site Name: Branford Cement	Plant	-	
3.	Facility Identification Number: 1210465 [] Unknown			
4.	Facility Location: Street Address or Other Locator: 5117 U.S. Highway 27			
	City: Branford	County: Suwannee	Zip Code: 32008	
5.	Relocatable Facility? [] Yes [X] No	6. Existing Pe [X] Yes	ermitted Facility? [] No	

Application Contact

1.	Name and Title of Application Contact:	Steven C. Culle Senior Project E	-
2.	Application Contact Mailing Address: Organization/Firm: Koogler & Associa Street Address: 4014 NW 13 th Street	tes	
	City: Gainesville	State: Florida	Zip Code: 32609
3.	Application Contact Telephone Number	rs:	
	Telephone: (352) 377-5822	Fax: (352	377-7158

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	2/24/03
2. Permit Number:	1210465-004-AC
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

This Application for Air Permit is submitted to obtain: (Check one) Initial Title V air operation permit for an existing facility which is classified as a Title V source. I limital Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source. Current construction permit number: Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application. Current construction permit number: Operation permit number to be revised: Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.) Operation permit number to be revised/corrected: Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal. Operation permit number to be revised: Reason for revision: Air Construction Permit Application This Application for Air Permit is submitted to obtain: (Check one) [X] Air construction permit to construct or modify one or more emissions units. 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.

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Owner/Authorized Representative or Responsible Official

1.	Name and Title of Owner/Authorized	l Representative or Res	sponsible Official:	
Ce	elso A. Martini: Plant Manager			
2.		Owner/Authorized Representative or Responsible Official Mailing Address:		
	Organization/Firm: Suwannee Amer	rican Cement		
	Street Address: Post Office Box 410			
	City: Branford	State: Florida	Zip Code: 32008	
3.	Owner/Authorized Representative or	Responsible Official 7	Telephone Numbers:	
	Telephone: (386) 935-0966	Fax: (386)	935-1155	
4.	Owner/Authorized Representative or	Responsible Official S	Statement:	
* A	I, the undersigned, am the owner or a the responsible official (check here [application, whichever is applicable. formed after reasonable inquiry, that accurate and complete and that, to the reported in this application are based emissions. The air pollutant emission in this application will be operated as standards for control of air pollutant and rules of the Department of Envirounderstand that a permit, if granted be authorization from the Department, a legal transfer of any permitted emission. Signature	X], if so) of the Title if I hereby certify, based the statements made it best of my knowledged upon reasonable techns units and air pollutional maintained so as to emissions found in the conmental Protection are the Department, can and I will promptly notificates.	V source addressed in this d on information and belief in this application are true, e, any estimates of emissions uniques for calculating on control equipment described comply with all applicable estatutes of the State of Florida and revisions thereof. I who the transferred without if the Department upon sale or	
·F	Macii lener of aumorization if not cur	chuy on me.		

Professional Engineer Certification

1. Professional Engineer Name: Steven C. Cullen, PE

Registration Number: 45188

2. Professional Engineer Mailing Address:

Organization/Firm: Koogler & Associates

Street Address: 4014 NW 13th Street

City: Gainesville

State: Florida

Zip Code: **32609**

3. Professional Engineer Telephone Numbers:

Telephone: (352) 377-5822

Fax: (352) 377-7158

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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 [], 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 [X], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

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

Signature	2/18/2003 Date
(seal)	

^{*} Attach any exception to certification statement.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
002	Raw Material Processing Operations Controlled by Baghouses		
006	Clinker and Cement Processing Operations Controlled by Baghouses	ACM1	\$250
008	Coal Mill and Coal Transfer System Controlled by Baghouses	1	

Application Processing Fee

Check one: [X] Attached - Amount: \$250 [] Not Applicable

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Construction/Modification Information

1. Description of Proposed Project or Alterations:

During the final design of the Suwannee American Cement Company (SAC) Branford Plant, changes to preliminary design and/or reconfiguration of the preliminary design have resulted in:

- 1. For Emissions Unit 002, the replacement of a single emission point for particulate matter emissions by two emission points with the addition of a second fabric filter dust collector to control emissions from the added emission point. Design flow rates and design operating temperatures have also been changed for certain control devices.
- 2. For Emissions Unit 006, the addition of three new particulate matter emission points with associated fabric filter (baghouse) dust collectors; and
- 3. the reconfiguration of three other particulate matter emission points and the associated fabric filter dust collectors. Design flow rates and design operating temperatures have also been changed for certain control devices.
- 4. For Emissions Unit 008, a previously permitted single baghouse is being served by two baghouses with a combined exhaust and a higher flow rate.

The design changes and reconfiguration will result in a net reduction in the design air flow rate from the affected emission units. This will result in a net decrease in the permitted particulate matter emission rate from the affected emission units. The net change in PM emissions from the changes detailed in this application is a decrease of 6.7 tons per year.

- 2. Projected or Actual Date of Commencement of Construction: N/A
- 3. Projected Date of Completion of Construction: March 1, 2003

Application Comment

The change in PM emissions from all emission points in emissions unit 002 is an increase from 6.2 tons per year to 6.3 tons per year.

The change in PM emissions from all emission points in emissions unit 006 is a decrease from 68.4 tons per year to 61.3 tons per year.

The change in PM emissions from all emission points in emissions unit 008 is an increase from 7.9 tons per year to 8.2 tons per year.

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The net change in PM emissions from the changes detailed in this application is a decrease of 6.7 tons per year.

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II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1.	Facility UTM Coordinates:				
	Zone: 17	East (km)	: 321.4 km Nort	th (km): 3315.9	
2.	Facility Latitude/Lo	_			
	Latitude (DD/MM/	SS): 29° 57' 45"	Longitude (DD/MM/SS): 82° 51' 03"		
3.	Governmental	4. Facility Status	5. Facility Major	6. Facility SIC(s):	
	Facility Code: 0	Code: C	Group SIC Code:		
			32	3241	
_	Facility Comment (limit to 500 about tour	Name		
7.	racinty Comment ((limit to 500 characters):	None		
İ				•	

Facility Contact

1. Name and Title of	Facility Contact: Ge	eorge Townsend – E	nvironmental Manager
2. Facility Contact M	ailing Address:		
Organization/Firm	: Suwannee Americ	can Cement	
Street Address: 51	17 U.S. Highway 2	7	
City: Branford		State: Florida	Zip Code: 32008
3. Facility Contact Te	elephone Numbers:		
Telephone: (38)	6) 935_0966 Fav	(386) 935-1155	

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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. [] 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):
It has not yet been determined whether the facility will be major for HAPs.

List of Applicable Regulations

Title V Core List	
NSPS Subparts Y and OOO	
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 Emissions Cap lb/hour tons/year		4. Basis for	5. Pollutant
Emitted	Classif.			Emissions Cap	Comment
PM	A	Not Requested	Not Requested	No Basis	None ·
PM10	A	Not Requested	Not Requested	No Basis	None
SO2	A	Not Requested	Not Requested	No Basis	None .
NOx	A	Not Requested	Not Requested	No Basis	None
СО	A	Not Requested	Not Requested	No Basis	None '
voc	В	Not Requested	Not Requested	No Basis	None
DIOX	В	Not Requested	Not Requested	No Basis	None
H114	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 Requested
On file with Department
2. Facility Plot Plan:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
On file with Department
3. Process Flow Diagram(s):
[X] Attached, Document ID: Engineering Report
4. Precautions to Prevent Emissions of Unconfined Particulate Matter:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
On file with Department
5. Fugitive Emissions Identification:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
On file with Department
6. Supplemental Information for Construction Permit Application:
[X] Attached, Document ID: Engineering Report
7. Supplemental Requirements Comment: None
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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

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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)					
[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		on addresses, as a single emis es which has at least one defi gitive emissions.			
[_		on addresses, as a single emises which produce fugitive em	· ·		
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)			
[]	The emissions remissions unit.	unit addressed in this En	nissions Unit Information Sec	ction is a regulated		
[] The emissions were emissions unit.	unit addressed in this En	nissions Unit Information Sec	ction is an unregulated		
3.	Description of Er	nissions Unit Addressed	in This Section (limit to 60 c	characters):		
Ra	w Material Proce	essing Operations Cont	rolled by Baghouses			
4.		lentification Number:		[] No ID		
	ID: 002			[] ID Unknown		
5.	Emissions Unit	6. Initial Startup	7. Emissions Unit Major	8. Acid Rain Unit?		
	Status Code: C	Date: N/A	Group SIC Code: 32	[]		
9.	9. Emissions Unit Comment: (Limit to 500 Characters): None					
	· ·					
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Emissions Unit Control Equipment

Emission Chiv Control Equipment					
1. (Control Equipment/Method Description (Limit to 200 characters per device or method):				
	oric Filters – High Temperature				
	E28				
•]	E34 [NEW]				
•	ric Filters – Medium Temperature G-07 H-08				
	\cdot				

Emissions Unit Details

1.	Package Unit: Not Applicable	
L	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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2. Control Device or Method Code(s): 016, 017

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

Emissions Unit Operating Capacity and Schedule

2. Maximum Incineration Rate: Not Applicable	b/hr tons/day
3. Maximum Process or Throughput Rate: 178 TPH D	ry Preheater Feed
4. Maximum Production Rate: Not Applicable	- W -
5. Requested Maximum Operating Schedule:	
hours/day	days/week
weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200	

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C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

List of Applicable Regulations

40 CFR 63.1350(I)

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)	•

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

Emission Point Description and Type

Identification of Point on P Flow Diagram? See below	lot Plan or	2. Emission Po	oint Type Code: 3			
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):						
E-28: Aeropol @ Homogenizing Silo [NEW] E-34: Off-Spec Feed Handling G-07: Homogenizing Silo Inlet H-08: Homogenizing Silo Outlet						
4. ID Numbers or Description	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A					
5. Discharge Type Code: V	6. Stack Height feet	ht: Table	7. Exit Diameter: Table feet			
8. Exit Temperature: Table °F	The state of the s					
11. Maximum Dry Standard Flow Rate: Table dscfm 12. Nonstack Emission Point Height: N/A feet						
13. Emission Point UTM Coordinates: Optional field – left blank						
Zone: E	Zone: East (km): North (km):					
14. Emission Point Comment (limit to 200 characters): None						

	HEIGHT	DIAM.	TEMP.	ACFM	H20	DSCFM
	FT.	FT.	°F			
E-28	56	1.0	300	3,000	2%	2043
E-34	50	1.0	300	2,000	2%	1362
G-07	242	2.2	200	15,000	2%	11760
H-08	50	1.0	200	2,000	2%	1568
					Total =	16732

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):							
Mineral Products: Cement Manufacturing – Dry Process: Raw Material Transfer							
2. Source Classification Cod 3-05-006-12	2. Source Classification Code (SCC): 3. SCC Units: Tons Processed 3-05-006-12						
4. Maximum Hourly Rate: 178 TPH Dry Preheater Feed	5. Maximum 1,427,8	6. Estimated Annual Activity Factor: Not Applicable					
7. Maximum % Sulfur: Not Applicable	Dry Preheater Feed 8. Maximum % Ash: 9. Million Btu per SCC Unit: Not Applicable Not Applicable						
10. Segment Comment (limit to 200 characters):							
AIR CONSTRUCTION PERMIT 1210465-001-AC, PSD-FL-259							

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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	EL
		1	

Emissions Unit Information Section 1 of 3

[EU 002 - Raw Material Processing]

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	
1. Pollutant Emitted: PM	2. Total Percent Efficie	ency of Control:
	999	%
3. Potential Emissions:		4. Synthetically
1.43 lb/hour	6.3 tons/year	Limited? []
5. Range of Estimated Fugitive Emissions: No	t Applicable	<u> </u>
		ns/year
6. Emission Factor: 0.01 gr/dscf		7. Emissions
Reference: BACT		Method Code: 0
Reference: DAC I		
8. Calculation of Emissions (limit to 600 chara	cters):	<u> </u>
· ·		·
0.01 gr/dscf x 16732 dscfm x 60 min/hr x 1 lb/	/7000 or = 1.43 lb/hour	
	7000 gi 1.45 ib/ii/ui	
o o o o o o o o o o o o o o o o o o o		
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charact	ters)·
1 Ondumit 1 Otolitian i ugitive Emissions Com	ment (mint to 200 charac	icisj.
AIR CONSTRUCTION PERMIT 1210465-0	01-AC PSD-FL-259	
The additional baghouse (E-34) increases an	•	m this amission unit
, ,		
A higher design temperature for baghouse E	•	,
flow rate for baghouse H-08 (2000 acfm inst	tead of 3000 actm) reduce	PM emissions from
these emission points.		
The change in PM emissions from all emissi	on points in this emission	is unit is from 6.2
tons per year to 6.3 tons per year.	Lamm in min annibotor	
torm por your to 0.5 toris por your.		

Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: RULE	Future Effective Date of Allowable Emissions: Not Applicable				
3.	Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:				
	0.01 gr/dscf	1.43 lb/hour 6.3 tons/year				
5.	5. Method of Compliance (limit to 60 characters): Method 9 in lieu of Method 5					
6.	6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):					
BA	BACT: AIR CONSTRUCTION PERMIT 1210465-001-AC, PSD-FL-259					

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Emissions Unit Information Section $\underline{1}$ of $\underline{3}$

Pollutant Detail Information Page 2 of 2

[EU 002 - Raw Material Processing]

Potential/Fugitive Emissions

1.	Pollutant Emitted: PM10	2. Total Percent Efficie	•				
3.	Potential Emissions:		4. Synthetically				
	1.22 lb/hour	5.3 tons/year	Limited? []				
5.	Range of Estimated Fugitive Emissions: No	t Applicable					
	[] 1 [] 2 [] 3	to to	ns/year				
6.	Emission Factor: 0.0085 gr/dscf		7. Emissions				
	Reference: BACT		Method Code: 0				
8.	Calculation of Emissions (limit to 600 chara	icters):					
	0.0085 gr/dscf x 16732 dscfm x 60 min/hr x 1 lb/7000 gr = 1.22 lb/hour @ 8760 hr/yr = 5.3 tons/year						
9.	Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charact	ters):				
ΑI	AIR CONSTRUCTION PERMIT 1210465-001-AC, PSD-FL-259 There is no net change in PM ₁₀ emissions for all emission points in this emission unit. [From 5.3 tons per year to 5.3 tons per year]						

Allowable Emissions 1 of 1

1.	1. Basis for Allowable Emissions Code: RULE 2. Future Effective Date of Allo Emissions: Not Applicable					
3.	Requested Allowable Emissions and Units: 0.0085 gr/dscf	4. Equivalent Allowable Emissions: 1.22 lb/hour 5.3 tons/year				
7	5. Method of Compliance (limit to 60 characters): Method 9 in lieu of Method 5					
J.	iviethod of Compliance (limit to 60 character	rs): Method 9 in lieu of Method 5				

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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	acity:			
		[X] Rule [] Other			
3.	Requested Allowable Opacity:					
ł	Normal Conditions: 5% Ex	ceptional Conditions:	5%			
ĺ	Maximum Period of Excess Opacity Allowe	-	0 min/hour			
İ	,		V			
4.	Method of Compliance: Method 9					
5.	Visible Emissions Comment (limit to 200 cl	haracters):				
	ACT: 62-212.400 and 62-297.620(4), FAC. 7	This limitation is more strip	ngent than the			
<u>Vi</u>	sible Emissions Limitation: Visible Emission	ons Limitation 2 of 2	,			
1.	Visible Emissions Subtype: VE10	2. Basis for Allowable Op-	acity:			
		[X] Rule [] Other			
3.	Requested Allowable Opacity:					
ļ	Normal Conditions: 10% Ex	ceptional Conditions:	10%			
	Maximum Period of Excess Opacity Allowe	xd:	0 min/hour			
4.	Method of Compliance: Method 9					
5.	Visible Emissions Comment (limit to 200 ch	naracters):				
		,				
40	40 CFR 63.1348: Affected sources other than raw mill					
		•				

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

<u> </u>	ontinuous Monitoring System: Continu	uous 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 characters):
	:	
		•

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

Supplemental Requirements

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

11. Alternative Methods of Operation
[] Attached, Document ID: [] Not Applicable
12. Alternative Modes of Operation (Emissions Trading)
[] Attached, Document ID: [] Not Applicable
13. Identification of Additional Applicable Requirements
[] Attached, Document ID: [] Not Applicable
14. Compliance Assurance Monitoring Plan
[] Attached, Document ID: [] 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:
[] Not Applicable

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

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

. 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).						
[X] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.						
[] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.						
2. Regulated or Unregulated Emissions Unit? (Check one)						
[X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.						
[] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.						
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):						
Clinker and Cement Processing Operations Controlled by Baghouses						
4. Emissions Unit Identification Number: [] No ID						
ID: 006 [] ID Unknown						
5. Emissions Unit 6. Initial Startup 7. Emissions Unit Major 8. Acid Rain Unit?						
Status Code: C Date: N/A Group SIC Code: 32 []						
D. 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 per device or method):

Fabric Filters - Low Temperature

- [New] L-25 Dust collector for gypsum/OS clinker transport
- [New] M-09 Clinker conveyor
 - N-09 Dust collector for finish mill air separator
- [New] N-36 Dust collector for fringe cement silo
 - P-03 Dust collector for cement transport conveyor [replaces O-25]
 - P-11 Dust collector for cement storage silo [replaces Q-26]
 - Q-14 Dust collector for cement truck loadout
 - O-17 Dust collector for cement truck loadout
 - Q-24 Dust collector for railcar loadout [replaces R-12]

Fabric Filters - Medium Temperature

- M-08 Clinker conveyor
- N-12 Dust collector for finish mill
- N-91 Dust collector for finish mill

Fabric Filters - High Temperature

- L-03 Dust collector for clinker conveyor
- L-06 Dust collector for clinker silo inlet
- 2. Control Device or Method Code(s): 016, 017, 018

Emissions Unit Details

1.	Package Unit: Not Applicable	
	Manufacturer:	Model Number:
2.	Generator Nameplate Rating: Not Applicable	MW
3.	Incinerator Information: Not Applicable	
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	٥F

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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: 105 TPH Clinker						
4.	Maximum Production Rate: 150 TPH Cement						
5.	Requested Maximum Operating Schedule:						
	hours/day	days/week					
	weeks/year	8760 hours/year					
AIR CONSTRUCTION PERMIT 1210465-001-AC, PSD-FL-259							

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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(j)	
40 CFR 63.1350(l)	•

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

Emission Point Description and Type

 Identification of Point on Plot Plan or Flow Diagram? See below Emission Point Type Code: 3 							
	3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):						
L-	03 Dust collector f	Dust collector for clinker conveyor					
L-	L-06 Dust collector for clinker silo inlet						
[New] L-	25 Dust collector f	for gypsum/OS	clinker transpor	t			
M	-08 Dust collector f	or clinker conv	eyor	0			
[New] M	-09 Dust collector f	or clinker conv	eyor	•			
l	09 Dust collector f		r separator				
	12 Dust collector f						
	36 Dust collector f	•	t silo				
	91 Dust collector f						
	03 Dust collector f			• •			
•	P-11 Dust collector for cement storage silo [replaces Q-26]						
•	Q-14 Dust collector for cement truck loadout						
•	Q-17 Dust collector for cement truck loadout						
Q-	Q-24 Dust collector for railcar loadout [replaces R-12]						
4. ID Nu	mbers or Descriptions	s of Emission Ur	nits with this Emi	ssion Point in Common: N/A			
5. Discha	arge Type Code: V	6. Stack Height feet	nt: Table	7. Exit Diameter: Table feet			
8. Exit To	8. Exit Temperature: Table °F 9. Actual Volumetric Flow Rate: Table acfm 10. Water Vapor: Table %						
11. Maxin	11. Maximum Dry Standard Flow Rate: Table dscfm 12. Nonstack Emission Point Height: Not Applicable feet						
13. Emissi	ion Point UTM Coord	linates: Optiona	l field – left blan	ık			
Zone:	•						
14. Emission Point Comment (limit to 200 characters): None							

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	HEIGHT	DIAM.	TEMP.	ACFM	H20	DSCFM
	FT.	FT.	°F			
L-03	37	1.0	300	3,000	2%	2043
L-06	192	1.1	300	6,000	2%	4085
L-25	82	1.0	90	4,000	2%	3763
M-08	19	1.1	212	6,000	2%	4620
M-09	10	1.1	90	3,000	2%	2822
N-09	131	7.6	158	103,600	2%	86742
N-12	131	4.0	203	35,000	2%	27316
N-36	65	1.4	130·	4,000	2%	3508
N-91	47	1.4	200	6,000	2%	4704
P-03	54	1.0	130	3,000	2%	2631
P-11	195	2.0	130	15,000	2%	13155
Q-14	29	1.0	130	3,000	2%	2631
Q-17	39	1.0	130	3,000	2%	2631
Q-24	57	1.0	130	3,000	2%	2631

Total = 163283

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

Segment Description and Rate: Segment 1 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters):				
Mineral Products: Cement 1	Manufacturing	- Dry Process:	Clinker Transfer	
2. Source Classification Cod 3-05-006-16	le (SCC):	3. SCC Units	s: Tons Processed	
4. Maximum Hourly Rate: 105	5. Maximum 839	Annual Rate:	6. Estimated Annual Activity Factor: Not Applicable	
7. Maximum % Sulfur: Not Applicable	8. Maximum % Ash: Not Applicable		9. Million Btu per SCC Unit: Not Applicable	
10. Segment Comment (limit to 200 characters):				
AIR CONSTRUCTION PE	RMIT 1210465-	001-AC, PSD-F	·I259	

Segment Description and Rate: Segment 2 of 5

Solution Belong that the Solution 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		6. Estimated Annual Activity		
105	839	,500	Factor: Not Applicable		
7. Maximum % Sulfur:	8. Maximum	% Ash:	9. Million Btu per SCC Unit:		
Not Applicable	Not Applicable Not Applicable Not Applicable				
10. Segment Comment (limit to 200 characters):					
AIR CONSTRUCTION PERMIT 1210465-001-AC, PSD-FL-259					

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Segment Description and Rate: Segment 3 of 5

Mineral Products: Cement N	Manufacturing -	- Dry Process:	Finish Grinding Mill
2. Source Classification Cod 3-05-006-17			:: Tons Processed
4. Maximum Hourly Rate: 150	5. Maximum 1,19	Annual Rate: 1,360	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: 8. Maximum Not Applicable Not Applicabl			9. Million Btu per SCC Unit: Not Applicable

Segment Description and Rate: Segment 4 of 5

Mi	neral Products: Cement 1	Manufacturing	- Dry Process:	Cement Silos
2.	Source Classification Cod 3-05-006-18	le (SCC):	3. SCC Units	s: Tons Processed
4.	Maximum Hourly Rate: 150	5. Maximum 1,19	Annual Rate:	6. Estimated Annual Activity Factor: Not Applicable
	Maximum % Sulfur: Applicable	8. Maximum Not Applicab		9. Million Btu per SCC Unit: Not Applicable

Segment Description and Rate: Segment 5 of 5

1. Segment Description (Pro Mineral Products: Cement)			·
2. Source Classification Cod 3-05-006-19		· · · · · · · · · · · · · · · · · · ·	: Tons Processed
4. Maximum Hourly Rate: 500	5. Maximum 1,19	Annual Rate: 1,360	6. Estimated Annual Activity Factor: Not Applicable
7. Maximum % Sulfur: 8. Maximum Not Applicable Not Applicabl			9. Million Btu per SCC Unit: Not Applicable
	* • • • • • • • • • • • • • • • • • • •		Not Applicable limited by cement production

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

F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
D* 7	Device Code	Device Code	Regulatory Code
PM	016, 017, 018	None	EL
PM10	016, 017, 018	None	EL
			, , , , , , , , , , , , , , , , , , ,
			-
;			
;			•
	7		

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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 Efficie	▼		
3.	Potential Emissions:		4. Synthetically		
	14.00 lb/hour	61.3 tons/year	Limited? []		
5.	Range of Estimated Fugitive Emissions: No	t Applicable			
	[] 1 [] 2 [] 3	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):	•		
0.01 @ 8	<u>thouses</u> l gr/dscf x 163,283 dscfm x 60 min/hr x 1 l 3760 hours/year = 61.3 tons/year				
9.	Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charac	ters):		
]	The additional baghouses change annual emissions of PM from this emission unit. Different design temperatures and flow rates for other baghouses change PM emissions from these emission points.				
	change in PM emissions from all emissions per year to 61.3 tons per year.	n points in this emission	s unit is from 68.4		

Allowable Emissions 1 of 1

Basis for Allowable Emissions Code: RULE	2. Future Effective Da Emissions: Not App	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowab	·
0.01 gr/dscf	14.00 lb/hour	61.3 tons/year
 Method of Compliance (limit to 60 character Method 5 (N-09 & N-12) Method 9 in lieu of Method 5 (other baghouse 	•	
6. Allowable Emissions Comment (Desc. of Op BACT: 62-212.400, FAC	perating Method) (limit to	200 characters):

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Emissions Unit Information Section $\underline{2}$ of $\underline{3}$

[EU 006 - Clinker & Cement Processing]

Pollutant Detail Information Page 2 of 2

Potential/Fugitive Emissions

1.	Pollutant Emitted: PM10	2. Total Percent Efficiency of Control: 99%		
3.	Potential Emissions:		4. Synthetically	
	11.90 lb/hour	52.1 tons/year	Limited? []	
5.	Range of Estimated Fugitive Emissions: No	t Applicable		
	[] 1 [] 2 [] 3	to to	ns/year	
6.	Emission Factors: 0.0085 gr/dscf		7. Emissions	
	Reference: BACT		Method Code: 0	
8.	Calculation of Emissions (limit to 600 chara	cters):		
Baghouses 0.0085 gr/dscf x 163,283 dscfm x 60 min/hr x 1 lb/7000 gr = 11.90 lb/hour @ 8760 hours/year = 52.1 tons/year				
9.	9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):			
	The change in PM10 emissions from all emission points in this emissions unit is from 58.1 tons per year to 52.1 tons per year.			

Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Dat Emissions: Not App	
3. Requested Allowable Emissions and Units:		
0.0085 gr/dscf	11.90 lb/hour	52.1 tons/year
 Method of Compliance (limit to 60 character Method 5 (N-09 & N-12) Method 9 in lieu of Method 5 (other baghouse 	,	
6. Allowable Emissions Comment (Desc. of Op BACT: 62-212.400, FAC	perating Method) (limit to	200 characters):

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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 O	pacity:
	[X] Rule	[] Other
3. Requested Allowable Opacity:		
1	Exceptional Conditions:	5%
Maximum Period of Excess Opacity Allov	-	0 min/hour
The state of the s		V IIIII IIOGI
4. Method of Compliance: Method 9		
5. Visible Emissions Comment (limit to 200	characters):	· · · · · · · · · · · · · · · · · · ·
BACT: 62-212.400, FAC. This limitation is	more stringent than the NE	SHAP.
Visible Emissions Limitation: Visible Emissions	sions Limitation 2 of 2	
1. Visible Emissions Subtype: VE10	2. Basis for Allowable Op	pacity:
	[X] Rule	Other
3. Requested Allowable Opacity:		<u> </u>
	Exceptional Conditions:	10%
Maximum Period of Excess Opacity Allov	-	0 min/hour
Maximum Fortod of Excess Opacity Milov	veu.	o minimour
4. Method of Compliance: Method 9		
4. Mediod of Compliance. Method 9		
5. Visible Emissions Comment (limit to 200	characters):	
•	•	
40 CFR 63.1347		
40 CFR 63.1348		

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

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

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

Supplemental Requirements

1.	Process Flow Diagram
	[] Attached, Document ID: Engineering Report
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: Engineering Report
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5.	Compliance Test Report:
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] 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
Т	[] Attached, Document ID: [] Not Applicable [] Waiver Requested
_	be provided under separate cover Supplemental Information for Construction Permit Application
0.	Attached, Document ID: Engineering Report
	[] Attached, Document ID. Engineering Report
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10.	Supplemental Requirements Comment: None
!	

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Additional Supplemental Requirements for Title V Air Operation Permit Applications [Not applicable to this application]

11. Alternative Methods of Operation	
[] Attached, Document ID: [] Not Applicable	
12. Alternative Modes of Operation (Emissions Trading)	
[] Attached, Document ID: [] Not Applicable	
12 Identification of Additional Applicable Design	
13. Identification of Additional Applicable Requirements	
[] Attached, Document ID: [] Not Applicable	
14. Compliance Assurance Monitoring Plan	
[] Attached, Document ID: [] 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:	
[] 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)							
[[] 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		on addresses, as a single en es which has at least one d gitive emissions.		* • •			
[_		on addresses, as a single en es which produce fugitive		•			
2.	Regulated or Unr	egulated Emissions Unit	t? (Check one)					
[X	The emissions emissions unit.	unit addressed in this En	nissions Unit Information	Section	n is a regulated			
[] The emissions emissions unit.	unit addressed in this En	nissions Unit Information	Sectio	n is an unregulated			
3.	Description of Er	nissions Unit Addressed	in This Section (limit to 6	0 cha	racters):			
	Coal	Mill and Coal Transfe	r System Controlled by l	Bagho	uses			
4.		dentification Number:		[] No ID			
	ID: 008			[] ID Unknown			
5.	5. Emissions Unit 6. Initial Startup 7. Emissions Unit Major 8. Acid Rain Unit? Status Code: C Date: N/A Group SIC Code: 32 []							
9.	9. Emissions Unit Comment: (Limit to 500 Characters): None							
l								

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Emissions Unit Control Equipment

L	Emissions Unit Control Equipment					
1.	Control Equipment/Method Description (Limit to 200 characters per device or method):					
Fa	abric Filters – Low Temperature					
•	S-17 East: Coal mill S-17 West: Coal mill S-21: Coal bin					

Emissions Unit Details

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

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:	secon	ds
	Incinerator Afterburner Temperature:	°F	

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

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input F	Rate: Not Applicable	mmBtu/hr
2. Maximum Incineration	Rate: Not Applicable lb/hr	tons/day
3. Maximum Process or T	hroughput Rate:	
10,658 tons of coa	l and petroleum coke per month &	& 127,896 tons per year
4. Maximum Production I	Rate: Not Applicable	
5. Requested Maximum C	perating Schedule:	
·	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year

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C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

List of Applicable Regulations

62-212.400, FAC	
NSPS Subpart Y	

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

Emission Point Description and Type

	i i dille 25 de di i p și dil a						
i	tification of Point on P. / Diagram? S-17, S-21	lot Plan or	2. Emission Po	oint Type Code: 3			
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):							
• S-17	 S-17 East: Coal mill S-17 West: Coal mill S-21: Coal bin 						
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable							
5. Discl	harge Type Code: V	6. Stack Height feet	ht: Table	7. Exit Diameter: Table feet			
8. Exit	Temperature: Table °F	9. Actual Vol Rate: Tabl		10. Water Vapor: Table %			
11. Maxi	11. Maximum Dry Standard Flow Rate: Table dscfm 12. Nonstack Emission Point Height: Not Applicable feet						
13. Emis	sion Point UTM Coord	linates: Optiona	l field – left blan	ık			
Zone: East (km): North (km):							
14. Emission Point Comment (limit to 200 characters): None							

	HEIGHT	DIAM.	TEMP.	ACFM	H20	DSCFM
	FT.	FT.	°F			
S-17 East	15	3.0	150	12,500	6.5%	10116
S-17 West	15	3.0	150	12,500	6.5%	10116
S-21	60	1.0	150	2,000	2%	1697
	*****			•	Total -	24 020

Total = 21,929

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):						
Mineral Products: Coal Crushing						
			•			
2. Source Classification Cod 3-05-010-10	e (SCC):	3. SCC Units	: Tons Processed			
4. Maximum Hourly Rate:	5. Maximum		6. Estimated Annual Activity			
14.6 TPH (monthly avg.)	127	,896	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): None				

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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
PM	018	None	EL
PM10	018	None	NS

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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 Efficie	
3. Potential Emissions:		4. Synthetically
1.88 lb/hour	8.2 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	icters):	
0.01 gr/dscf x 21929 dscfm x 60 min/hr x 1 lb. @ 8760 hr/yr = 8.2 tons/year	/7000 gr = 1.88 lb/hour	
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charac	ters):
AIR CONSTRUCTION PERMIT 1210465-0 The additional baghouse and a higher total f of 24000 acfm) increases PM emissions from The change in PM emissions from all emissions per year to 8.2 tons per year.	low rate for the coal mill n these emission points.	

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:	4. Equivalent Allowable Emissions:
0.01 gr/dscf	1.88 lb/hour 8.2 tons/year
Method 5: Initial for S-17 East/S-17 West	
Method 9: In lieu of Method 9 for S-21	
Method 9: In lieu of Method 9 for S-21 6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):

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Potential/Fugitive Emissions

1. Pollutant Emitted: PM10	2. Total Percent Efficie	•
3. Potential Emissions:	, <u>, , , , , , , , , , , , , , , , , , </u>	4. Synthetically
1.88 lb/hour	8.2 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	acters):	
0.01 gr/dscf x 21929 dscfm x 60 min/hr x 1 lb @ 8760 hr/yr = 8.2 tons/year	/7000 gr = 1.88 lb/hour	
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charac	ters):
AIR CONSTRUCTION PERMIT 1210465-0 The additional baghouse and a higher total to of 24000 acfm) increases PM10 emissions from all em tons per year to 8.2 tons per year.	flow rate for the coal mill from these emission points	s.

<u>Allowable Emissions</u> Allowable Emissions $\underline{1}$ of $\underline{1}$

Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: Not Applicable						
3. Requested Allowable Emissions and Units: 0.01 gr/dscf	4. Equivalent Allowable Emissions: 1.88 lb/hour 8.2 tons/year						
5. Method of Compliance (limit to 60 characte Method 5: Initial for S-17 East/S-17 West Method 9: In lieu of Method 9 for S-21	rs):						
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit	to 200 characters):					
BACT: AIR CONSTRUCTION PERMIT 12	10465-001-AC, PSD-FI	-259					

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

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

	Visible Emissions Subtype: VE05	2. Basis for Allowable Opacity:						
		[X] Rule	[] Other					
3.	Requested Allowable Opacity:							
	Normal Conditions: 5% Ex	ceptional Conditions:	5%					
	Maximum Period of Excess Opacity Allow	ed:	0 min/hour					
	1							
4.	Method of Compliance: Method 9							
	· · · · · · · · · · · · · · · · · · ·							
5.	Visible Emissions Comment (limit to 200 c	haracters): BACT 62-212.	400, FAC					
	•							
			•					
ĺ								
l								
								
Vi	sible Emissions Limitation: Visible Emissi	ama Y impiration 2 as 2						
_ <u> </u>	sible Emissions Chilitation. Vision Camps	ons Limitation <u>2</u> of <u>2</u>						
			Onnoitr <i>u</i>					
	Visible Emissions Subtype: VE20	2. Basis for Allowable (•					
1.	Visible Emissions Subtype: VE20		Opacity:					
1.	Visible Emissions Subtype: VE20 Requested Allowable Opacity:	2. Basis for Allowable (X) Rule	[] Other					
1.	Visible Emissions Subtype: VE20 Requested Allowable Opacity: Normal Conditions: 20% Ex	Basis for Allowable ([] Other 20%					
1.	Visible Emissions Subtype: VE20 Requested Allowable Opacity:	Basis for Allowable ([] Other					
3.	Visible Emissions Subtype: VE20 Requested Allowable Opacity: Normal Conditions: 20% Ex Maximum Period of Excess Opacity Allower	Basis for Allowable ([] Other 20%					
3.	Visible Emissions Subtype: VE20 Requested Allowable Opacity: Normal Conditions: 20% Ex	Basis for Allowable ([] Other 20%					
3.	Visible Emissions Subtype: VE20 Requested Allowable Opacity: Normal Conditions: 20% Ex Maximum Period of Excess Opacity Allower	Basis for Allowable ([] Other 20%					
1. 3. 4.	Visible Emissions Subtype: VE20 Requested Allowable Opacity: Normal Conditions: 20% Ex Maximum Period of Excess Opacity Allowed Method of Compliance: Method 9	2. Basis for Allowable (X) Rule (xceptional Conditions: ed:	Other 20% 0 min/hour					
1. 3. 4.	Visible Emissions Subtype: VE20 Requested Allowable Opacity: Normal Conditions: 20% Ex Maximum Period of Excess Opacity Allower	2. Basis for Allowable (X) Rule (xceptional Conditions: ed:	Other 20% 0 min/hour					
 3. 4. 	Visible Emissions Subtype: VE20 Requested Allowable Opacity: Normal Conditions: 20% Ex Maximum Period of Excess Opacity Allowed Method of Compliance: Method 9 Visible Emissions Comment (limit to 200 c	2. Basis for Allowable (X) Rule (xceptional Conditions: ed:	Other 20% 0 min/hour					
 3. 4. 	Visible Emissions Subtype: VE20 Requested Allowable Opacity: Normal Conditions: 20% Ex Maximum Period of Excess Opacity Allowed Method of Compliance: Method 9	2. Basis for Allowable (X) Rule (xceptional Conditions: ed:	Other 20% 0 min/hour					
 3. 4. 	Visible Emissions Subtype: VE20 Requested Allowable Opacity: Normal Conditions: 20% Ex Maximum Period of Excess Opacity Allowed Method of Compliance: Method 9 Visible Emissions Comment (limit to 200 c	2. Basis for Allowable (X) Rule (xceptional Conditions: ed:	Other 20% 0 min/hour					
 3. 4. 	Visible Emissions Subtype: VE20 Requested Allowable Opacity: Normal Conditions: 20% Ex Maximum Period of Excess Opacity Allowed Method of Compliance: Method 9 Visible Emissions Comment (limit to 200 c	2. Basis for Allowable (X) Rule (xceptional Conditions: ed:	Other 20% 0 min/hour					

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

Continuous Monitoring System: Continuous Monitor of 1. Parameter Code: TEMP 2. Pollutant(s): N/A] Other [X] Rule 3. CMS Requirement: 4. Monitor Information: Not yet available Manufacturer: Model Number: Serial Number: 6. Performance Specification Test Date: 5. Installation Date: 7. Continuous Monitor Comment (limit to 200 characters): 40 CFR 60.253 Monitoring of operations: The coal mill, emission point S-17 of emissions unit 008, is subject to the requirements for thermal dryers. (a) The owner or operator of any thermal dryer shall install, calibrate, maintain, and continuously operate monitoring devices as follows: (1) A monitoring device for the measurement of the temperature of the gas stream at the exit of the thermal dryer on a continuous basis. The monitoring device is to be certified by the manufacturer to be accurate within ±3° Fahrenheit.

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

Supplemental Requirements

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

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

Additional Supplemental Requirements for Title V Air Operation Permit Applications [Not applicable to this application]

11. Alternative Methods of Operation
[] Attached, Document ID: [] Not Applicable
12. Alternative Modes of Operation (Emissions Trading)
[] Attached, Document ID: [] Not Applicable
13. Identification of Additional Applicable Requirements
[] Attached, Document ID: [] Not Applicable
14. Compliance Assurance Monitoring Plan
[] Attached, Document ID: [] 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:
[] Not Applicable

<u>APPENDIX 1</u> Engineering Report & Attachments

Engineering Report In Support of Permit Amendment Suwannee American Cement Company, Inc. Branford Plant

DEP File No. 1210465-001-AC, PSD-FL-259

DUST COLLECTOR REVISIONS

During the final design of the Suwannee American Cement Company (SAC) Branford Plant, changes in preliminary design and/or reconfiguration of the preliminary design has resulted in the addition of three new particulate matter emission points and the associated fabric filter (baghouse) dust collectors; the replacement of a single emission point for particulate matter emissions by two emission points and the addition of a second fabric filter dust collector to control emissions from the added emission point; and the reconfiguration of three other particulate matter emission points and the associated fabric filter dust collectors. The design changes and reconfiguration will result in a reduction in the design air flow rate from the affected emission points and a reduction in total particulate matter emissions.

The process flow diagrams for the SAC plant as permitted are contained in Attachment 1. These process sheets show the baghouses that are currently permitted. The process flow sheets included in Attachment 2 show the design changes and/or reconfiguration with the added and replacement baghouses. Attachment 3 contains the specifications for all of the plant dust collectors.

Following is a brief description of the equipment changes. All emission points are presumed to operate 8,760 hours per year.

EMISSION UNIT 002

Dust from the kiln baghouse was originally transferred pneumatically to an Alleviator (Equipment No. 25-01; to vent the pneumatic transfer system) and then to a Distribution Box (E30-01). From the distribution box, the baghouse dust was originally transferred to the Homogenizing Silo (G01-01) or to a screw conveyor (E27-01). The Screw Conveyor, in turn, transferred the baghouse dust to the Kiln Dosing System (H05-01). The dust from the alleviator and distribution box was originally to be controlled by baghouse E-28 (3,000 acfin @ 212°F).

To eliminate the Screw Conveyor (E27-01), the pneumatic transfer of the kiln baghouse dust is now through a diverter valve which transfers the dust either to the alleviator (E25-01) still controlled by baghouse E28, or to the distribution box (E30-01) which is now controlled by new baghouse E-34 (2,000 acfm @ 300°F).

In essence, baghouses E-28 and E-34 are now doing what baghouse E-28 was previously designed to handle. For permitting purposes, it is presumed that both baghouses will operate continually.



EMISSION UNIT 006

Gypsum Storage Silo

Gypsum Storage Silo (L09-01) was added and is vented through new Baghouse L-25 (4,000 acfm @ 90°F).

Off-spec Clinker Silo

Off-Spec Clinker Silo (L08-01) was added and is also vented through new Baghouse L-25 (4,000 acfm @ 90°F).

Clinker Conveyor

The Gypsum Silo and Off-Spec Clinker Silo both discharge onto existing Pan Conveyor (M19-01) which transfers materials to the finish mill system. Dust from the discharge from the Gypsum Silo and Off-Spec Clinker Silo onto the pan conveyor is controlled by new Baghouse M-09 (3,000 acfm @ 90°F).

Fringe Cement Silo

A 140 ton Fringe Cement Silo (N30-01) was added following the finish mill to store off-spec cement. This silo is vented through new Baghouse N-36 (4,000 acfm @ 130°F). The fringe cement is blended back through the finish mill system with dust from material transfer handled by existing dust collectors.

Cement Silos

The existing design for the transfer of cement from the finish mill into cement silos 1-5 had potential particulate matter emissions controlled by two identical baghouses; Baghouse Q-25 and Baghouse Q-26 (both 12,000 acfm @ 150°F).

As a result of reconfiguration, Baghouses Q-25 and Q-26 are replaced by Baghouses P-03 (3,000 acfm @ 130°F) and P-11 (15,000 acfm @ 130°F).

Cement Pack-house

The original plant design envisioned a cement pack-house (cement bagging). The pack-house is not being constructed at this time. Baghouse R-12 (12,000 acfm @ 150°F) which was designed to control particulate matter emissions from the pack-house, will not be installed.

Rail Car Loadout

Rather than building a cement pack-house at this time, SAC has reconfigured the plant for a rail car loading system. The potential particulate matter emissions from rail car loadout will be controlled by Baghouse Q-24 (3,000 acfm @ 130°F).

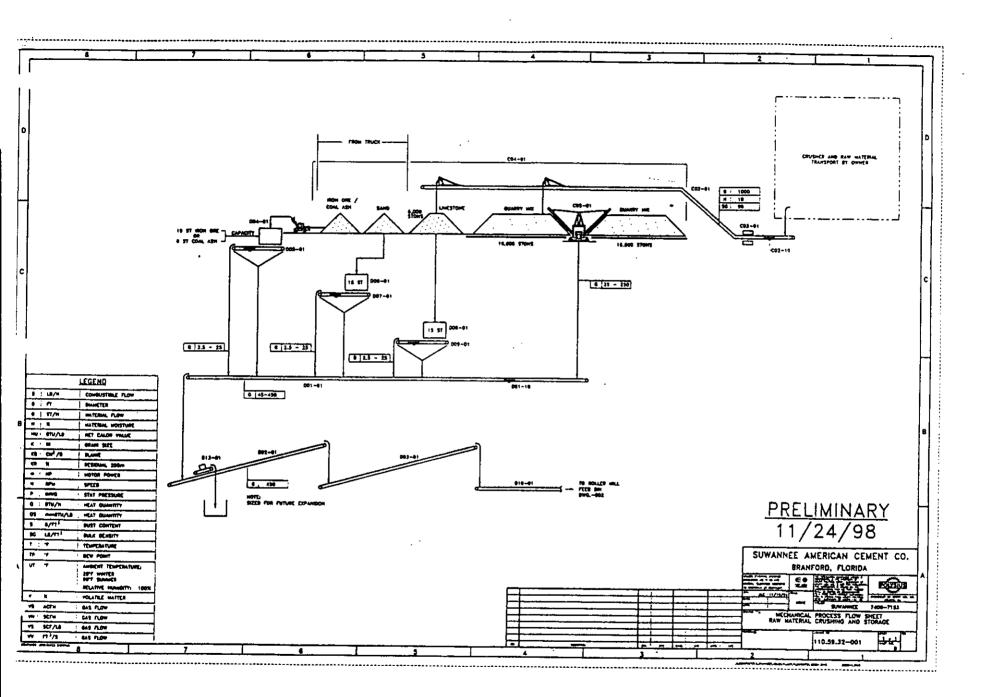


EMISSION UNIT 008

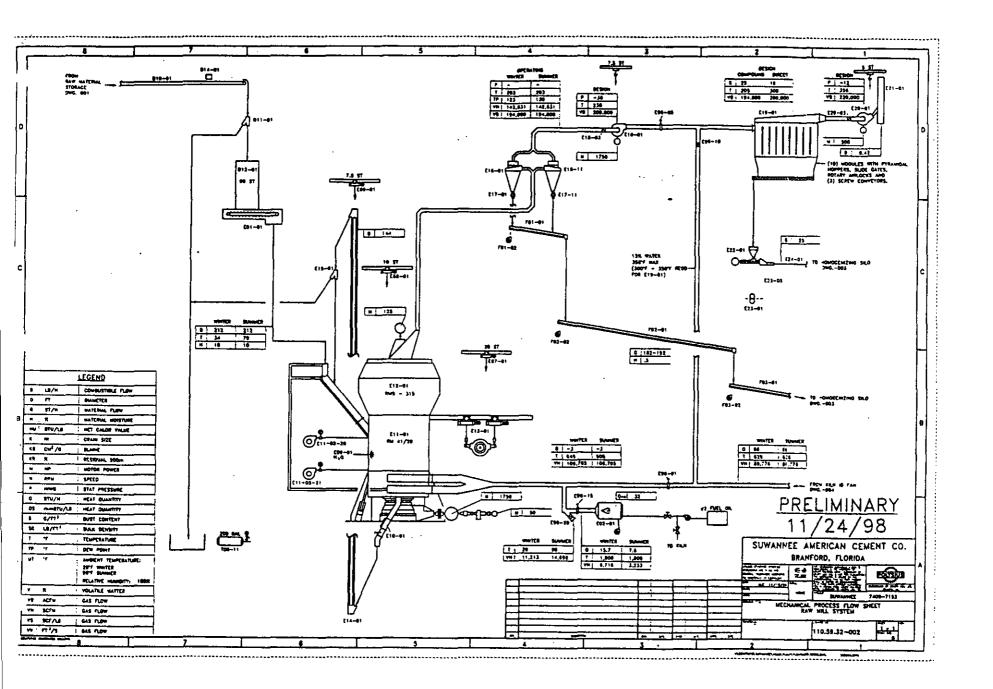
For Emissions Unit 008, a previously permitted single baghouse is being served by two baghouses with a combined exhaust and a higher flow rate. The coal mill was previously to have been controlled by a single baghouse (S-17) with a flow rate of 24,000 acfm. It is proposed to control the coal mill with two baghouses (S-17 east and S-17 west), with a common stack and a total flow rate of 25,000 acfm.

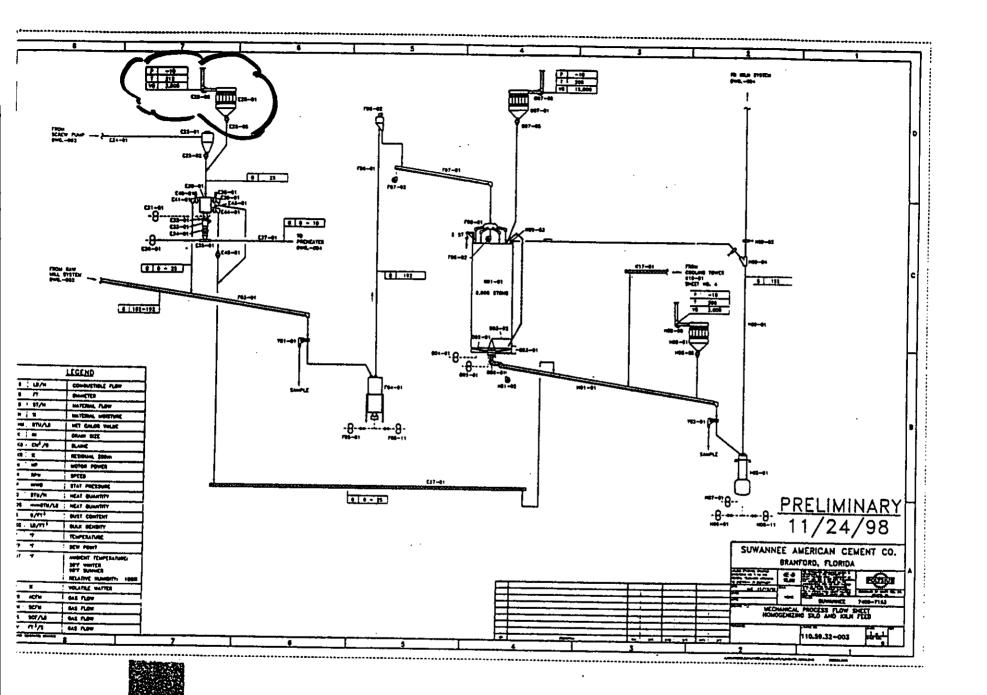


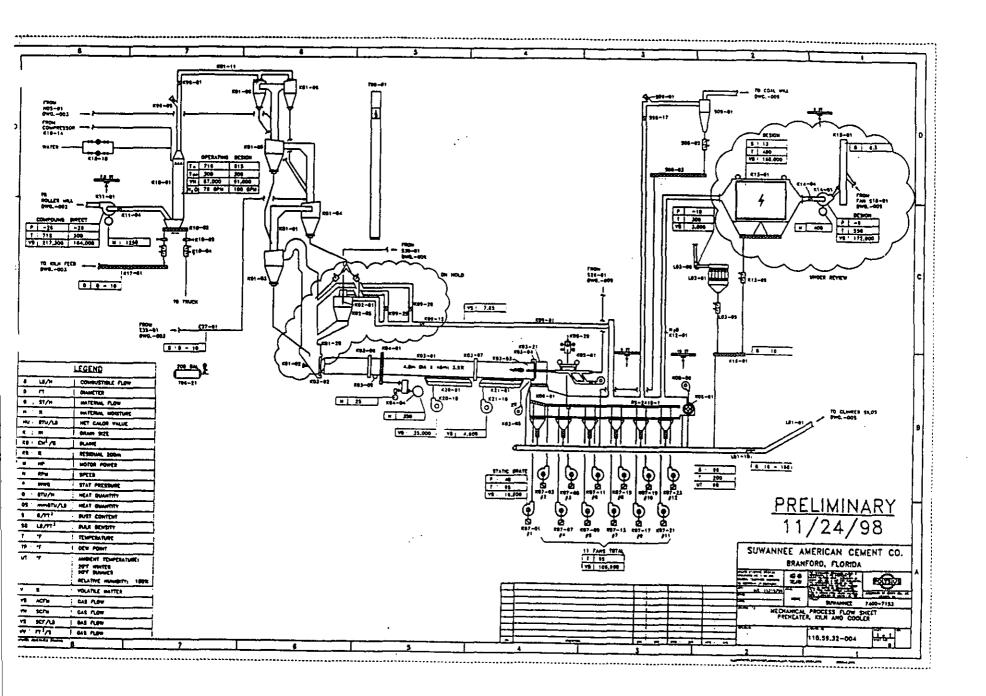
ATTACHMENT 1 Process Flow Diagrams – As Permitted



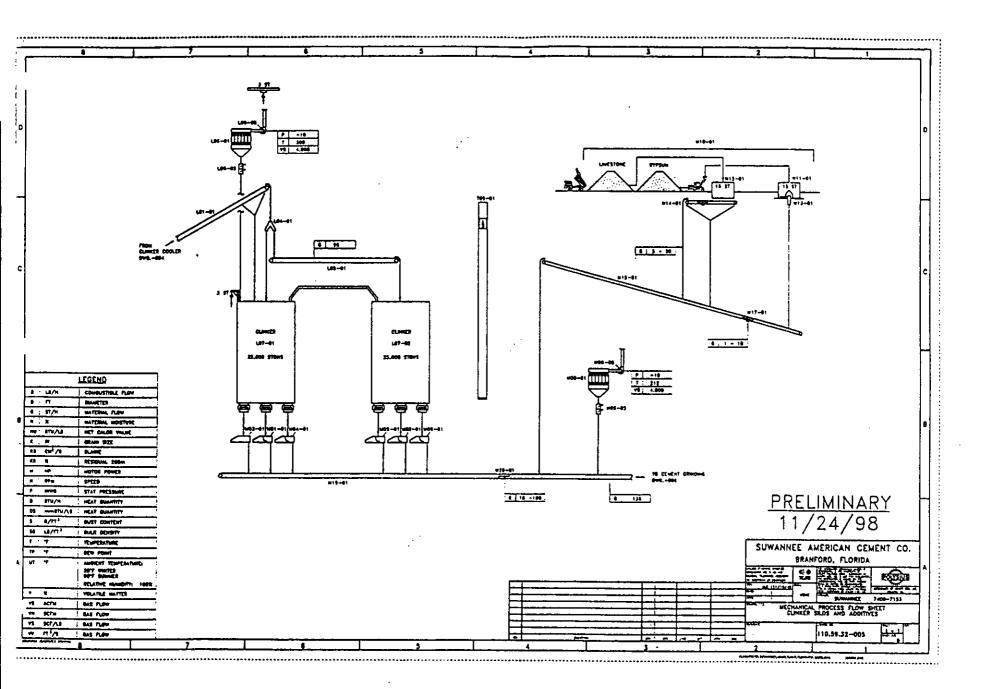
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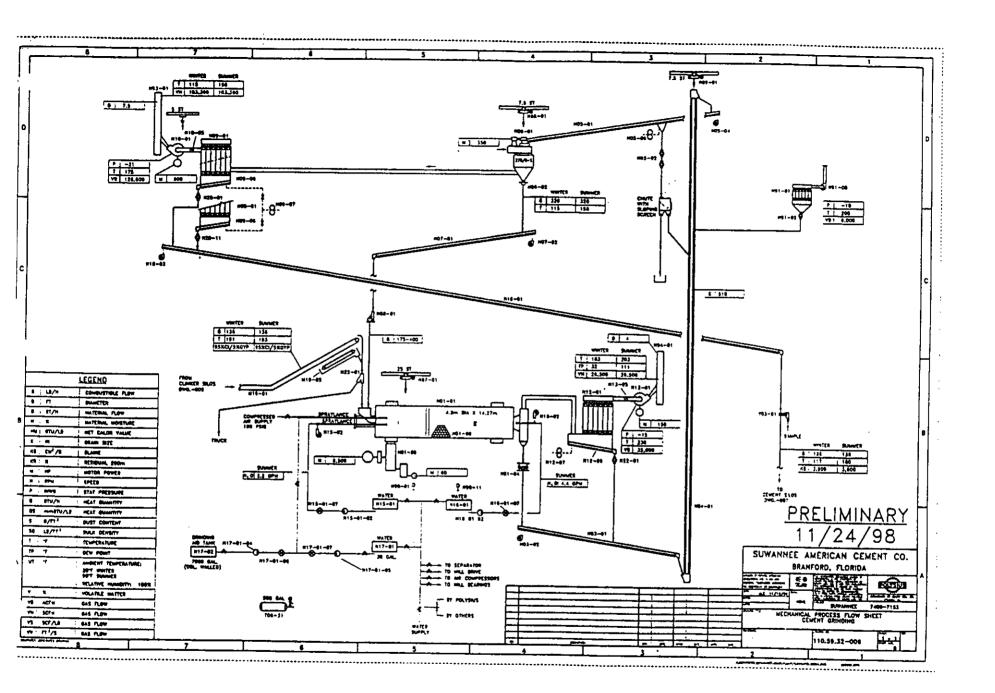


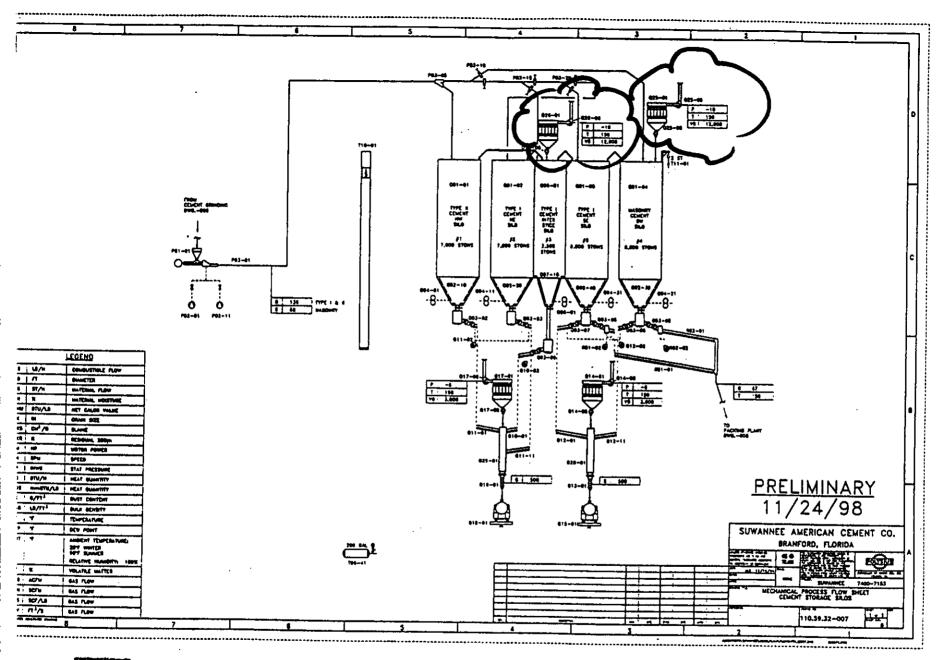


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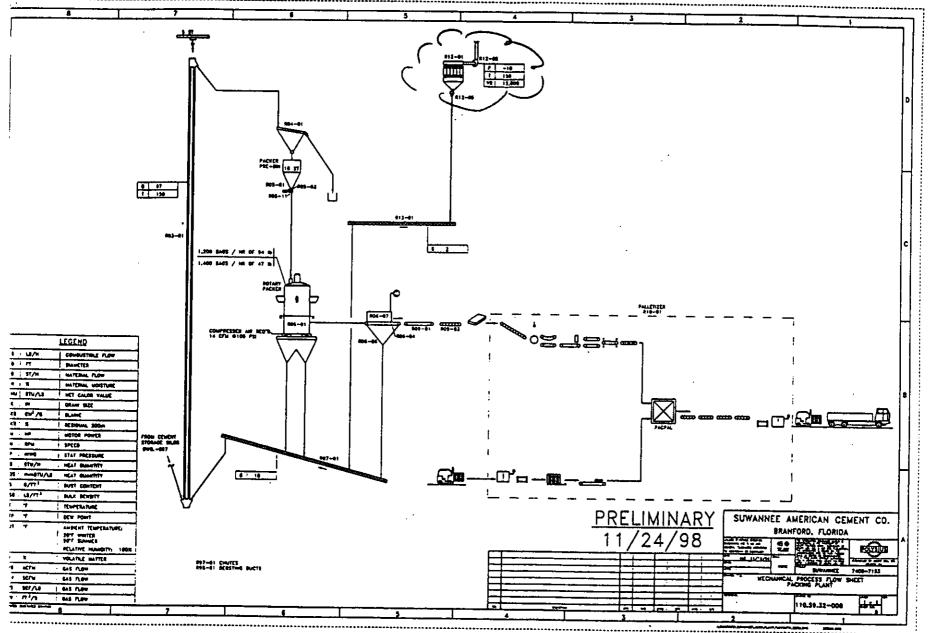


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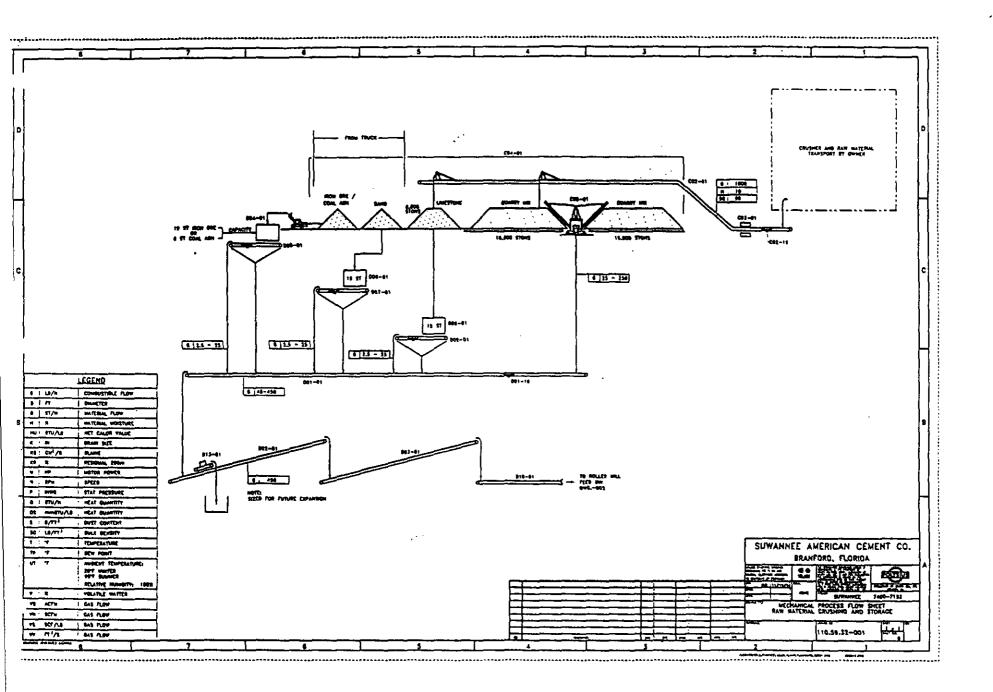


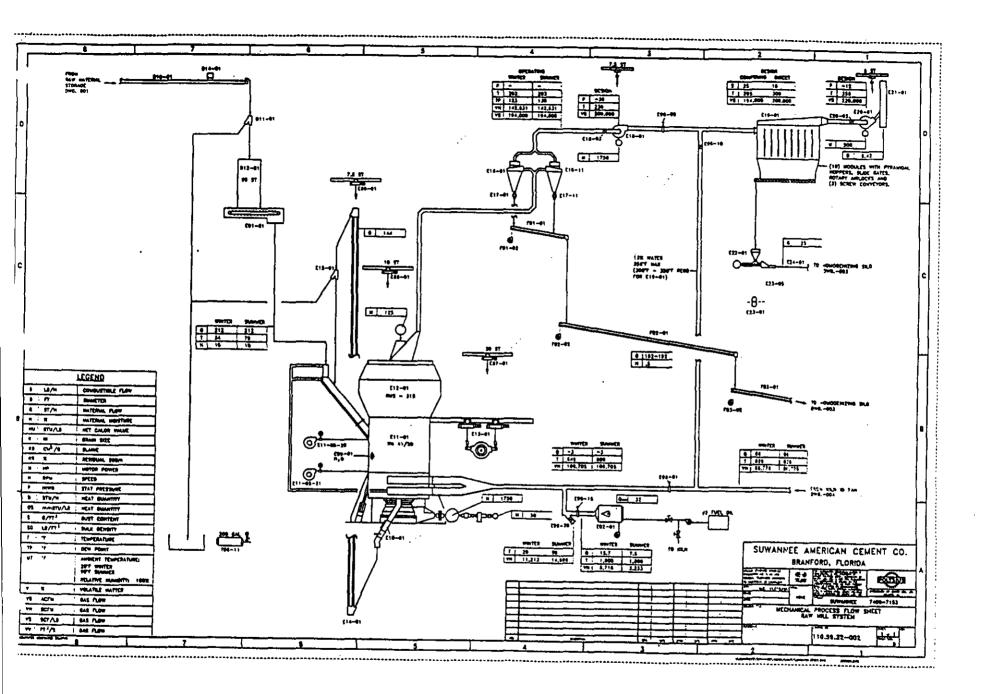




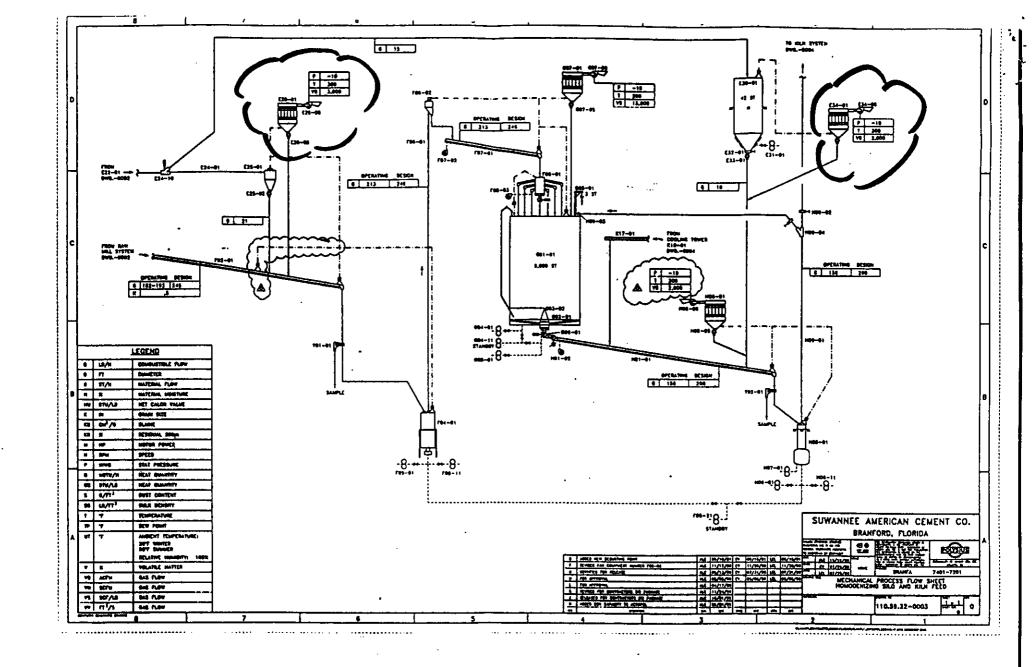


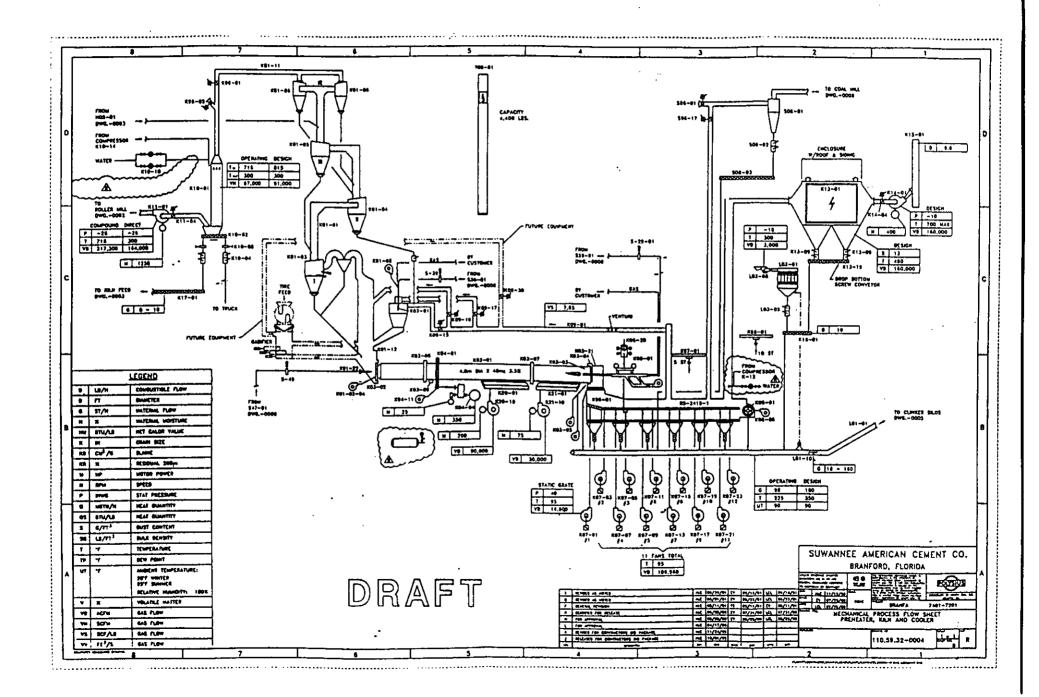
<u>ATTACHMENT 2</u> Process Flow Diagrams – As Reconfigured

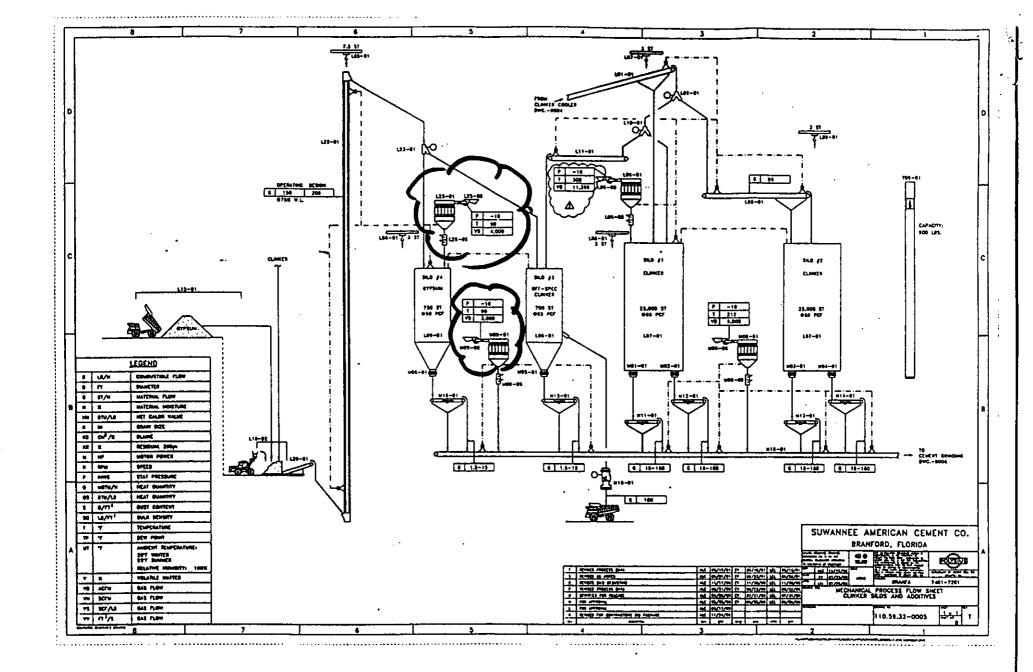


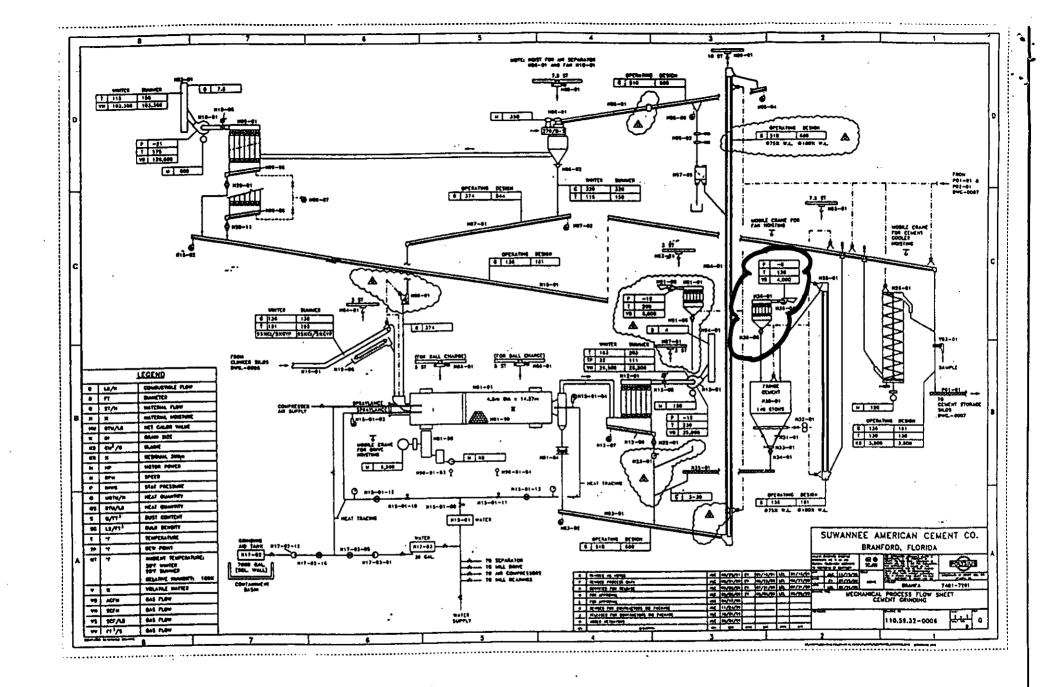


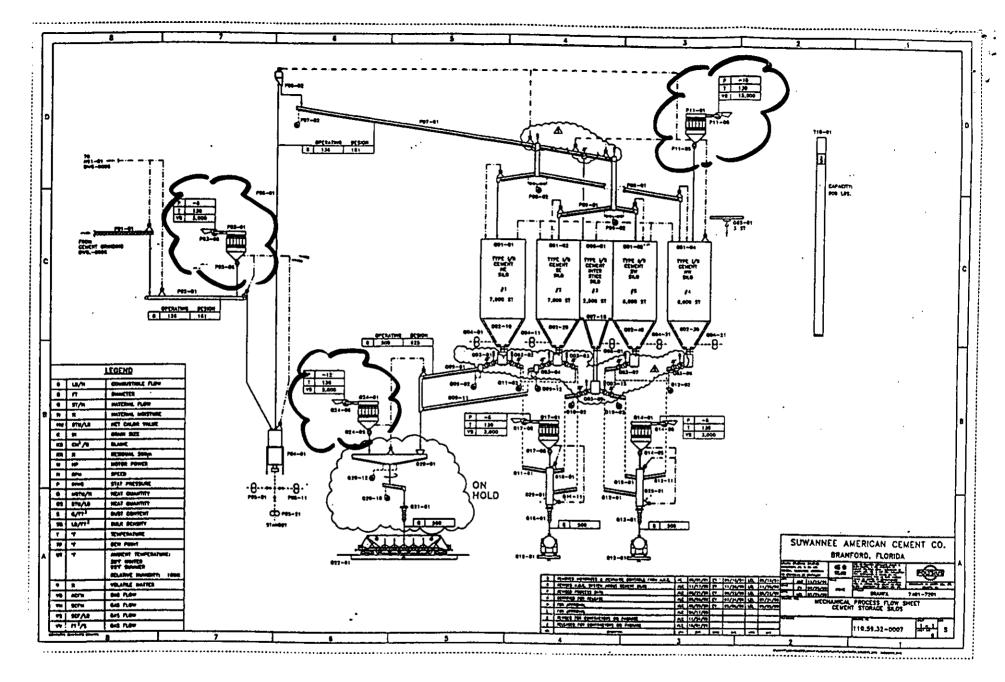
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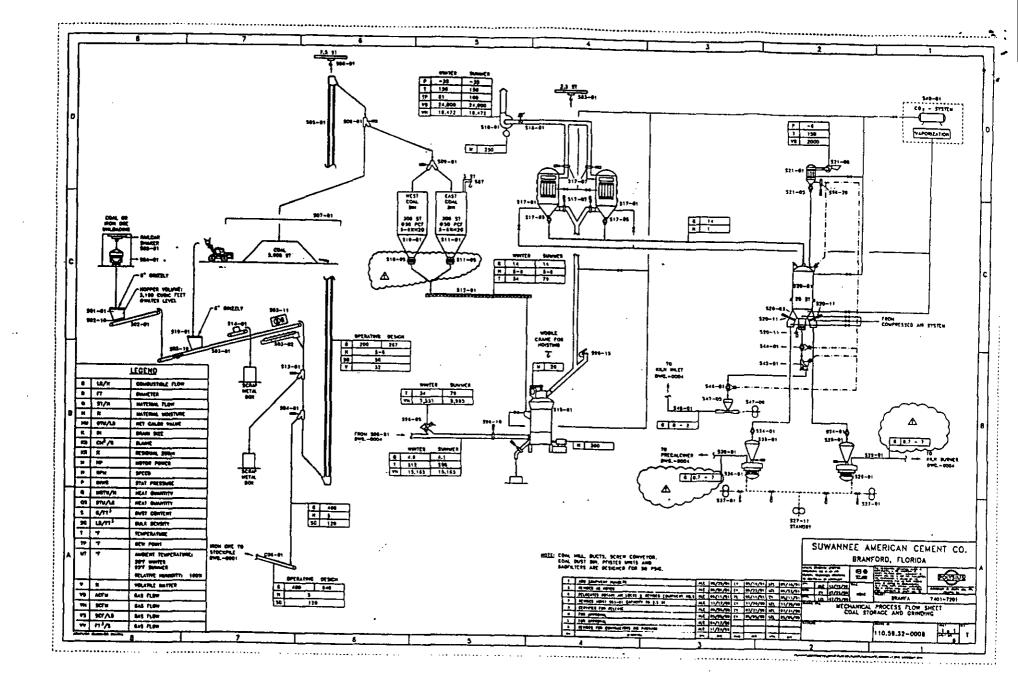












<u>ATTACHMENT 3</u> **Dust Collector Specifications**

SAC Baghoues Specifications & Design Data

Emission Control Unit		Equip. No.	Amerex Model No.	Bag Material	No. of Bags	Bag Size	Bag Area	Cloth Area	Design ACFM	A-C Ratio	Temp.	Delta P	Stack Dia.
Kiln/Raw Mill (8 Comps.) *	1	E21-01	RA-35-180-D12	Fiberglass w/SGT	1,440	12" X 35"	109.96	158,337	220,000	1.39	450	12	9.42
Finish Mill, Sepol No.1 (W), **	2	N09-01	RP-12-770 D6	16 Oz. Singed Poly. DD	1540	6" X 12'	18.85	29,028	103,600	3.57	158	21	7.6
Finish Mill, Mill No.2 (E)	3	N12-01	RP-12-420 D6	16 Oz. Singed Poly. DD	420	6" X 12'	18.85	7,917	35,000	4.42	203	15	4
Finish Mill Baghouse No. 3 (S)	4	N91-01	RP-10-72 D6	16 Oz. Singed Polyester	72	6" X 10'	15.71	1,131	6,000	5.31	200	10	
Fringe Cement Silo	5	N36-01	RP-10-49 D6	16 Oz. Singed Polyester	49	6" X 10'	15.71	770	4,000	5.20	130		
Aeropol @ Homogenizing Silo	6	E28-01	RP-10-36 D6	14 Oz. Singed Nomex	36	6" X 10'	15.71	565	3,000	5.31	300	İ	
Off Spec. Feed Handling	7	E34-01	RP-10-25 D6	14 Oz. Singed Nomex	25	6" X 10"	15.71	393	2,000	5.09	300	10	建建筑
Homogenizing Silo Inlet	8	G07-01	RP-10-182 D6	16 Oz. Singed Polyester	182	6" X 10'	15.71	2,859	15,000	5.25	200	10	
Poldos Blend Silo Outlet	9	H08-01	RP-10-25 D6	16 Oz. Singed Polyester	25	6" X 10'	15.71	393	2,000	5.09	200	10	
Coal Mill No. 1, East	10	S17-01	Merrick	16 Oz.Ept.Singed Ploy.	140	6" X 14"	21.99	3,079	12,500	4.06	150	35	
Coal Mill No. 2, West	11	S17-01	Merrick	16 Oz.Ept.Singed Ploy.	140	6" X 14'	21.99	3,079	12,500	4.06	150	35	
Coal Mill No. 3, South	12	S21-01	RP-12-35 D5	16 Oz. Singed Polyester	35	5" X 12'	15.71	550	2,000	3.64	150		
Clinker Cooler Conv./Breaker	13	L03-01	RP-10-36 D6	16 Oz. Singed Polyester	36	6" X 10'	15.71	565	3,000	5.31	300	10	
Clinker Silo, Inlet	14	L06-01	RP-10-140 D6	16 Oz. Singed Polyester	140	6" X 10'	15.71	2,199	6,000	2.73	300	10	
Gyp/OS Clinker Transport	15	L25-01	RP-10-49 D6	16 Oz. Singed Polyester	49	6" X 10'	15.71	770	4,000	5.20	90		
Clinker Conveyor (South)	16	M08-01	RP-10-72 D6	16 Oz. Singed Polyester	72	6" X 10'	15.71	1,131	6,000	5.31	212	10	
Clinker Conveyor (North)	17	M09-01	RP-10-36 D6	16 Oz. Singed Polyester	36	6" X 10'	15.71	565	3,000	5.31	90	10	
Cement Transport Conveyor	18	P03-01	RP-10-36 D6	16 Oz. Singed Polyester	36	6" X 10'	15.71	565	3,000	5.31	130	8	新教
Cement Silo Input	19	P11-01	RP-10-182 D6	16 Oz. Singed Polyester	182	6" X 10'	15.71	2,859	15,000	5.25	130		建
Truck Load-out No. 1 (E)	20	Q14-01	RP-10-36 D6	16 Oz. Singed Polyester	36	6" X 10'	15.71	565	3,000	5.31		10	多数
Truck Load-out No. 2 (W)	21	Q17-01	RP-10-36 D6	16 Oz. Singed Polyester	36	6" X 10'	15.71	565	3,000	5.31	130		
Railcar Load-out	22	Q24-01	RP-10-56 D6	16 Oz. Singed Polyester	56	6" X 10'	15.71	880	3,000	3.41	130	8	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
The visible emissions (VE) Ilmi				Totals	4,783			217,886	3,000	3.41	130	8	
* 7 Compartments (180 Bags/Co	mpt.	= 138,545	ft^2 Cloth Area,	1.59 AC Ratio		** - Two 770 ban units							

^{*7} Compartments (180 Bags/Compt. = 138,545 ft^2 Cloth Area, 1.59 AC Ratio

Emission Point Design Data & Compliance Requirements

		Grade EL.	58	Desi	<u> </u>		-										
		Equip.	Stack or			Delta P	Stack	tack Compliance Test Parameters									
	Emission Control Unit	No.	Exist Ht.	ACFM	Temp. F	(-) INWG	I.D.	VE	PM	PM ₁₀		NOx	HCL	co		voc	Dioxin
1	Kiln/Raw Mill Baghouse Stack	E21-01	315	220,000	450	12	9.42	Х	Х	X	Х	Х	X (1)	┿	X (1)		X (2)
2	Clinker Cooler ESP Stack	K15-01	215	160,000	. 700	10	9	Х	Х	X							^(2)
3	Finish Mill BH Sepol No.1 (W)	N09-01	131	103,600	158	21	7.6	Х	X	X	4000	100 A CO.		***.			
4	Finish Mill BH-Mill No.2 (E)	N12-01	131	35,000	203	15	4	X	X	X	30.5 7						
5	Finish Mill Baghouse No. 3 (S)	N91-01	47	6,000	200	10	10 Table 2	X				4.0000000000000000000000000000000000000		1000			8. 1981 S2
6	Fringe Cement Bin	N36-01	65	4,000	130	8	44.7			MATERIAL PROPERTY.							2/4/2
7	Aeropol @ Homogenizing Silo	E28-01	56	3,000	300	10		X		X	NAME OF	Marie See		60 X	ALCOHOL:		MATERIA DE LA
8	Off Spec. Feed Handling	E34-01	50	2,000	300	10	7.7.2	X		2 2 2	72.2	27534A					
9	Homogenizing Silo Inlet	G07-01	242	15,000	200	10	44 * 0					00000		100			6723
10	Poldos Homogenizing Silo Outlet	H08-01	50	2,000	200		原				TARRES	ALC: N		A Company	dimension.	A STATE OF THE STA	STATISTICS.
11	Coal Mill No. 1, East, Combined	S17-01							_		新花典 /元						
12	Coal Mill No. 2, West, Combined	S17-01	15	25,000	150	35		x		professional comments				-			#38 1845 #38 186524
13	Coal Mill No. 3, South	S21-01	67	2,000	150	6			sis Probables concerns.	WHERE THE PROPERTY NAMED IN					2445		
14	Clinker Cooler Con./Breaker	L03-01	37	3,000	300	10		X		E S 1							PERSONAL PROPERTY.
15	Clinker Silo, Inlet	L06-01	192	6,000	300	10		$\frac{\hat{\mathbf{x}}}{\mathbf{x}}$									建设设置
16	Gyp/OS Clinker Transport	L25-01	82	4,000	90		27.57	X								Maria de	
17	Clinker Conveyor (North)	M08-01	19	6,000	212						Parks.	100 (0.00)		W. (PARTIES.
18	Clinker Conveyor (South)	M09-01	10	3,000	90			X			300 CA 200					(2 - 9 X)	AND THE PARTY
19	Cement Transport Conveyor	P03-01	54	3,000	130		1755										Distriction of
20	Cement Silo Input	P11-01	195	15,000	130						2566			20 H.A.		Actions.	
21	Truck Load-out No. 1 (W)	Q14-01	29	3,000	130					373 57							
22	Truck Load-out No. 2 (E)	Q17-01	39	3,000	130		10.55				AND THE RESIDENCE OF A			****			
23	Railcar Load-out	Q24-01	57	3,000	130						Market S	TO BELLEVIEW OF					
	Units not reflected in permit						PER BACK STREET		建一种工作	MATERIAL S	34 × 10	A SEAL	Land Land R	0.00		· Grand	医海南岛

Units not reflected in permit

(1) Initiall testing only

(2) Dioxin - Initial & every 30 months - Compound & Direct

Stack or exist height = (emission point elevation - grade elevation)

		Complianc	е			Proc	ess
Opacity	SO ₂	NOx	Flow	THC	em		O2
X	Х	Х	X	X	X	Y	V
X							
Temp. F							
	ETTER	(4.5 £ 18.5					
,	X X Temp. F	Opacity SO2 X X X Temp. F	Opacity SO2 NOx X X X X Temp. F	X X X X X X X Temp. F	Opacity SO2 NOX Flow THC X X X X X X X Temp. F	Opacity SO2 NOx Flow THC em X X X X X X X X Temp. F	Opacity SO2 NOx Flow THC em CO X X X X X X X X X X

Temperature device - quarterly calibration check

Process CO & O2 monitors do not require quarterly calibration check



February 18, 2003

Mr. A. Linero, P.E. Bureau of Air Regulation Division of Air Resource Management Department of Environmental Protection 2600 Blair Stone Road, MS 5500 Tallahassee, Florida 32399-2400

Subject: Suwannee American Cement – Branford Cement Plant

Branford, Suwannee County, Florida

Facility ID No. 1210465

Application for Air Construction Permit

Dear Mr. Linero:

This letter transmits four (4) copies of an application for an air construction permit for the Suwannee American Cement – Branford Cement Plant. This application is being submitted to you for processing by the New Source Review Group.

During the final design of the Suwannee American Cement Company (SAC) Branford Plant, changes to preliminary design and/or reconfiguration of the preliminary design have resulted in:

- 1. For Emissions Unit 002, the replacement of a single emission point for particulate matter emissions by two emission points with the addition of a second fabric filter dust collector to control emissions from the added emission point. Design flow rates and design operating temperatures have also been changed for certain control devices.
- 2. For Emissions Unit 006, the addition of three new particulate matter emission points with associated fabric filter (baghouse) dust collectors; and
- 3. the reconfiguration of three other particulate matter emission points and the associated fabric filter dust collectors. Design flow rates and design operating temperatures have also been changed for certain control devices.
- 4. For Emissions Unit 008, a previously permitted single baghouse is being served by two baghouses with a combined exhaust and a higher flow rate.

The design changes and reconfiguration will result in a net reduction in the design air flow rate from the affected emission units. This will result in a net decrease in the permitted particulate matter emission rate from the affected emission units. The net change in PM emissions from the changes detailed in this application is a decrease of 6.7 tons per year.

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FEB 24 2003

Thank you in advance for your review of this application. Please contact me if you have any questions or require additional information.

Sincerely,

Steven C. Cullen, PE Koogler & Associates

Copy to: George Townsend – Suwannee American Cement

