Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

PERMITTEE

CEMEX Construction Materials Florida, LLC
10311 Cement Plant Road
Brooksville, Florida 34601

Authorized Representative:
Alberto Calleros, Plant Manager

Air Permit No. 0530021-070-AC
Permit Expires: November 1, 2019
Minor Air Construction Permit
Brooksville South Cement Plant
Additional Sorbent Injection System

PROJECT

This is the final air construction permit, which authorizes the installation of an additional dry sorbent injection (DSI) system on each kiln: Line 1 and Line 2. This permit also authorizes the replacement of the existing cement loadout spouts on Silo 1 (EU 014) and Silo 3 (EU 021), and modification of the existing 150 Conveyor Belt to allow for reversible operation. The proposed work will be conducted at the existing Brooksville South Cement Plant, which is a Portland cement manufacturing plant categorized under Standard Industrial Classification No.3241. The existing facility is in Hernando County at 10311 Cement Plant Road in Brooksville, Florida. The Universal Transverse Mercator (UTM) coordinates are Zone 17, 360.00 kilometers (km) East and 3,162.50 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit. As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida

Jonathan Holtom

Digitally signed by
Jonathan Holtom, P.E.
Date: 2018.01.08
15:01:28 -05'00'

for:

Syed Arif, P.E., Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Construction Permit package was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

Alberto Calleros, CEMEX Construction Materials Florida, LLC: alberto.calleros@cemex.com
Brent Steele, CEMEX Construction Materials Florida, LLC: brentc.steel@cemex.com
Lillian DePrimo, CEMEX USA: lillianf.deprimo@cemex.com
Max Lee, PhD., P.E., Koogler & Associates, Inc.: mlee@kooglerassociates.com
John Koogler, Koogler & Associates, Inc.: jkoogler@kooglerassociates.com
Vincent Warger, Koogler & Associates, Inc.: vwarger@kooglerassociates.com
Upasna Rai, Koogler & Associates, Inc.: urai@kooglerassociates.com
DEP Southwest District: SWD_Air_Permitting@dep.state.fl.us
Ms. Lynn Scearce, DEP OPC: lynn.scearce@dep.state.fl.us

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

Lynn Scearce 2018.01.08 15:07:13 -05'00'

FACILITY DESCRIPTION

The facility includes Cement Lines No. 1 and No. 2. Each line includes an in-line kiln/raw mills, clinker cooler, associated process equipment, all the required auxiliary equipment, and a coal yard. Waste heat from the kilns is used to provide heat to the raw mills and the kiln preheaters, which is used to drive off moisture from or preheat the materials used for making clinker. Cement Line No. 2 also has a pre-calciner where the feed is calcined before entering the rotary kiln. Consequently, the kiln has only to raise the feed to sintering temperature, increasing the overall efficiency of the process. All materials handling activities are controlled by baghouses, except for the Clinker Receiving/Handling Systems and the coal yard activities. For the Clinker Receiving/Handling Systems, the fugitive particulate matter emissions generated from the transfer of clinker from the receiving hoppers to the belt conveyors are controlled using atomized water sprays or an equivalent dust suppression system.

The existing facility consists of the following emissions units.

Brooksville South Cement Line 1 – *Regulated Emissions Units*		
EU No.	**Facility's Internal ID No.**	**Emission Unit Description**
001	D-75	Filter Dust Bin (was Pre-Mix Bin) with Baghouse
002	D-67	Fly ash/Equilibrium Catalyst Storage Silo with Baghouse
004	F-14	Raw Meal Transfer with Baghouse
	N/A	Dry Sorbent Injection System
006	G-12 (A & B)	Two Blend Silos with Baghouse
007	H-15	Kiln Feed Surge Bin with Baghouse
008	S-04	Clinker Receiving/Handling System
009	K-07 & L-03	Clinker Cooler Discharge with Baghouse
010	L-05, L-06, & L-07	Clinker Storage Silos with Baghouse
011	L-08	Gypsum and Limestone Bins (was Clinker Silo) with Baghouse
012	M-04 & M-08	EP-01 Silo Discharge with Baghouse (M-08) and EP-02 Clinker Feeder Baghouse (M-04)
013	N-13	Finish Mill with Baghouse
014	Q-17	A-Side Cement Storage Silos #1 & #2 Discharge System with Baghouse
015	Q-15	Cement Storage Silos #1 & #2 with Baghouse
019	M-05	Finish Mill Feed Belt with Baghouse
020	N/A	Cement Kiln 1, In-Line Kiln/Raw Mill and Clinker Cooler 1 with Baghouse
021	Q-18	B-Side Cement Storage Silos #1, #2, & #3 Discharge System with Baghouse
022	Z-15	Cement Storage Silo #3 with Baghouse
023	N/A	Cement Storage Silo #4 and Truck Loadout System with Baghouse
024	Z-18	Cement Storage Silo and Railcar Loadout System with Baghouses
064	M03	Kiln No. 1 Clinker Belt Dust Control
Brooksville South Cement Line 2 – *Regulated Emissions Units*		
EU No.	**Facility's Internal ID No.**	**Emission Unit Description**
Pyroprocessing System		
044	331.BF300	Kiln, In-Line Raw Mill, Preheater, Precalciner, and Clinker Cooler No. 2
Raw Mill and Raw Meal Handling and Storage System		
045	331.BF640	Filter Dust Bin
	311.LS609	Filter Dust Bin Loadout Spout

EU No.	Facility's Internal ID No.	Emission Unit Description
046	341.BF400	Blend Silo
047	351.BF420	Kiln Feed Transport
	341.BF410	Blend Silo Discharge
	351.BF410	Kiln Feed Bin
	331.XA120	Dry Sorbent Injection System
Clinker Handling and Storage		
048	471.BF110	Clinker Transport
050	471.BF120	Clinker Storage Silo
	481.BF155	Clinker Silo Discharge 1
	481.BF165	Clinker Silo Discharge 2
Finish Mill System		
051	511.BF650	Finish Mill Additives
052	531.BF500	Finish Mill and Air Heater
054	531.BF020	Finish Mill Bucket Elevator
057	531.BF400	Finish Mill Cement Transport Finish Mill Rejects Transport
Cement Silos and Loadout		
058	612.BF005	Cement Silo 5
	612.BF620	Cement Silo 5 Loading Bin
	622.LS140	Cement Silo 5 Loadout Spout N
	622.LS160	Cement Silo 5 Loadout Spout S
059	611.BF005	Multi Cell Cement Silo
	611.BF045	Multi Cell Cement Silo Alleviator
	611.BF610	Multi Cell Loadout Transport
	611.LS760	Multi Cell Loadout Spout
065	614.BV240 & 614.DC410	Cement Storage Silo and Railcar Loadout System with Baghouses
Other		
Not Numbered	N/A	Alternative Fuel Handling and Processing
060	461.BF400	Coal Mill
061	461.BF560	Fine Coal Bin
062	641.BF150	Packing Plant
063	N/A	Emergency Diesel Generator
Brooksville South Cement Lines 1 and 2		
042	N/A	Coal Receiving, Handling, and Transfer System (fugitives)
Not Numbered		Facility-wide Fugitive Emissions

PROPOSED PROJECT

CEMEX proposes the installation of an additional dry sorbent injection (DSI) system on each of the kiln systems: Line 1 (EU 020) and Line 2 (EU 044). The first DSI systems were authorized by Permit Nos. 0530021-052-AC and 0530021-053-AC on Kiln No. 2 and 1, respectively. The primary purpose of those two permits was to control

acid gases, including hydrochloric acid (HCl) emissions. The primary purpose of this project is to control emissions of mercury (Hg). These additional DSI systems will inject sorbent into the exhaust stream of each kiln, between the outlet of the kiln induced draft (ID) fan and the main baghouse. The primary sorbent used will be activated carbon. Other sorbents compatible with the cement process may be used. The products of the sorbent interaction will be removed by each main kiln baghouse, recycled back into the raw materials, and ultimately be incorporated into the product cement.

CEMEX has two additional requests as part of this application, unrelated to the DSI systems. First, CEMEX requests authorization to replace the existing cement loading spouts and associated baghouses for Silo 1 (EU 014) and Silo 3 (EU 021) that are part of operations on Cement Line 1. Second, CEMEX requests authorization to modify the existing 150 Conveyor Belt that transfers clinker from Line 2 to Line 1 Clinker Silos so that the conveyor belt can be reversible. This modification will give flexibility of using either finish mill for clinker produced on either of the two cement lines.

This project will modify the following emissions units.

EU No.	Facility's Internal ID No.	Emission Unit Description
004	F-14	Raw Meal Transfer with Baghouse
	N/A	Dry Sorbent Injection System 1A
	Proposed	Dry Sorbent Injection System 1B
010	L-05, L-06, & L-07	Clinker Storage Silos with Baghouse
014	Q-17	A-Side Cement Storage Silos #1 & #2 Discharge System with Baghouse
020	N/A	Cement Kiln 1, In-Line Kiln/Raw Mill and Clinker Cooler 1 with Baghouse
021	Q-18	B-Side Cement Storage Silos #1, #2, & #3 Discharge System with Baghouse
044	331.BF300	Kiln No. 2, In-Line Raw Mill, Pre-Heater, Pre-Calciner, and Clinker Cooler No. 2
047	351.BF420	Kiln Feed Transport
	341.BF410	Blend Silo Discharge
	351.BF410	Kiln Feed Bin
	331.XA120	Dry Sorbent Injection System 2A
	Proposed	Dry Sorbent Injection System 2B
050	471.BF120	Clinker Storage Silo
	481.BF155	Clinker Silo Discharge 1
	481.BF165	Clinker Silo Discharge 2

FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of hazardous air pollutants (HAP).
- The facility does not operate units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- The facility does operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

- The facility does operate units subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Office of Permitting and Compliance in the Division of Air Resource Management of the Department of Environmental Protection (Department). The Office of Permitting and Compliance mailing address is 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Air Resource Section of the Department's Southwest District Office at: 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926 (Phone No.: 813-632-7600).
3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); and Appendix D (Common Testing Requirements).
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Construction and Expiration. The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires. [Rules 62-4.070(3) & (4), 62-4.080 & 62-210.300(1), F.A.C.]
8. Source Obligation:
   a. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
   b. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

[Rule 62-212.400(12), F.A.C.]

9. Application for Title V Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V air operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050 and Chapter 62-213, F.A.C.]

A. Cement Kiln Line No. 1

This section of the permit addresses the following emissions units.

EU No.	Facility's Internal ID No.	Emission Unit Description
004	F-14	Raw Meal Transfer with Baghouse
	N/A	Dry Sorbent Injection System 1A
	Proposed	Dry Sorbent Injection System 1B
020	N/A	Cement Kiln 1, In-Line Kiln/Raw Mill and Clinker Cooler 1 with Baghouse

{Permitting Notes: These emissions units are regulated under Rule 62-212.400(BACT), F.A.C., PSD; 40 CFR 63, Subpart A, General Provisions and Subpart LLL, NESHAP from Portland Cement Manufacturing Industry, adopted by reference in Rule 62-204.800(11)(b)48, F.A.C., and 40 CFR 60 New Source Performance Standards Subpart A, General Provisions and Subpart F, Standards for performance for Portland Cement Plants adopted by reference in Rule 62-204.800(8)(b)9, F.A.C.

According to recent correspondence with the USEPA, the dry sorbent injection (DSI) systems are considered control devices under 40 CFR 63, Subpart LLL, and are not affected sources under Subpart LLL. Therefore, the DSI systems are not subject to the regulatory requirements of 40 CFR 63, Subpart LLL.}

PREVIOUS APPLICABLE REQUIREMENTS

1. Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for these emissions units. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations. [Rule 62-4.070, F.A.C.]

EQUIPMENT

2. Dry Sorbent Injection (DSI) System 1B: The owner or operator is authorized to install and operate a DSI system and ancillary equipment for the Cement Kiln Line 1. Dry Injection System 1B will vent to the kiln exhaust; the system is considered part of the equipment for Kiln No. 1. [Application No. 0530021-070-AC]

PERFORMANCE RESTRICTIONS

3. Methods of Operation (1B): This dry sorbent injection system shall inject sorbent between the kiln ID fan outlet and the main kiln baghouse primarily to control Hg emissions from the kiln. [Application No. 0530021-070-AC]
4. Authorized Sorbents: The owner or operator is authorized to use activated carbon, sodium bicarbonate, hydrated lime, and sodium sesquicarbonate (trona) as sorbents for this DSI system. The owner or operator shall notify the Department of the use of a new sorbent (i.e., a sorbent not authorized by this permit). Submit the notification to DARM_Permitting@dep.state.fl.us. [Rule 62-210.200(PTE), F.A.C., and Application No. 0530021-070-AC]

   {Permitting Note: Per Rule 62-213.410, Changes Without Permit Revision, F.A.C (Link to Rule) once this AC permit has been incorporated into the facility's Title V air operation permit, the permittee may take advantage of this rule where appropriate.}

5. Hours of Operation: The hours of operation of this DSI system are not limited (8,760 hours per year). [Rule 62-210.200(PTE), F.A.C.]

B. Cement Kiln Line 2

This section of the permit addresses the following emissions units.

EU No.	Facility's Internal ID No.	Emission Unit Description
044	331.BF300	Kiln No. 2, In-Line Raw Mill, Pre-Heater, Pre-Calciner, and Clinker Cooler No. 2
047	351.BF420	Kiln Feed Transport
	341.BF410	Blend Silo Discharge
	351.BF410	Kiln Feed Bin
	331.XA120	Dry Sorbent Injection System 2A
	Proposed	Dry Sorbent Injection System 2B

{Permitting Note: These emissions units are regulated under Rule 62-212.400(BACT), F.A.C., PSD; 40 CFR 63, Subpart A, General Provisions and Subpart LLL, NESHAP from Portland Cement Manufacturing Industry, adopted by reference in Rule 62-204.800(11)(b)48, F.A.C., and 40 CFR 60 New Source Performance Standards Subpart A, General Provisions and Subpart F, Standards for performance for Portland Cement Plants adopted by reference in Rule 62-204.800(8)(b)9, F.A.C.

According to recent correspondence with the USEPA, the dry sorbent injection (DSI) systems are considered control devices under 40 CFR 63, Subpart LLL, and are not affected sources under Subpart LLL. Therefore, the DSI systems are not subject to the regulatory requirements of 40 CFR 63, Subpart LLL.}

OTHER APPLICABLE REQUIREMENTS

1. Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for these emissions units. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations. [Rule 62-4.070, F.A.C.]

EQUIPMENT

2. Dry Sorbent Injection (DSI) System 2B: The owner or operator is authorized to install and operate a DSI system and ancillary equipment for the Cement Kiln Line 2. Dry Injection System 2B will vent to the kiln exhaust; the system is considered part of the equipment for Kiln No. 2. [Application No. 0530021-070-AC]

PERFORMANCE RESTRICTIONS

3. Methods of Operation (2B): This dry sorbent injection system shall inject sorbent between the kiln ID fan outlet and the main kiln baghouse primarily to control Hg emissions from the kiln. [Application No. 0530021-070-AC]
4. Authorized Sorbents: The owner or operator is authorized to use activated carbon, sodium bicarbonate, hydrated lime, and sodium sesquicarbonate (trona) as sorbents for this DSI system. The owner or operator shall notify the Department of the use of a new sorbent (i.e., a sorbent not authorized by this permit). Submit the notification to DARM_Permitting@dep.state.fl.us. [Rule 62-210.200(PTE), F.A.C., and Application No. 0530021-070-AC]

   {Permitting Notes: Per Rule 62-213.410, Changes Without Permit Revision, F.A.C (Link to Rule) once this AC permit has been incorporated into the facility's Title V air operation permit, the permittee may take advantage of this rule where appropriate.}

5. Hours of Operation: The hours of operation of this DSI system are not limited (8,760 hours per year). [Rule 62-210.200(PTE), F.A.C.]

C. Cement Kiln Line 1 Cement Silo Loading Spouts

This section of the permit addresses the following emissions units.

EU No.	Facility's Internal ID No.	Emission Unit Description
014	Q-17	A-Side Cement Storage Silos #1 & #2 Discharge System with Baghouse
021	Q-18	B-Side Cement Storage Silos #1, #2, & #3 Discharge System with Baghouse

These emissions units consist of cement storage silos and the associated unloading systems and processes. Emissions of PM from these units are controlled by low-temperature baghouses. The specifications of the existing baghouses are identical and are as follows: stack height of 50 feet; stack diameter of 1.5 feet; exhaust temperature of 160 degrees Fahrenheit; air flow rate of 3,200 actual cubic feet per minute; and a process throughput rate of 300 tons per hour of finished cement. This permitting action will decrease the air flow rate of both baghouses to 1,600 acfm each.

{Permitting Note: These emissions units are regulated under Rule 62-297.620(4), F.A.C., Exceptions and Approval of Alternate Procedures and Requirements; Rules 62-212.400 and 62-212.400(4), F.A.C., Prevention of Significant Deterioration (PSD-FL-091K) and Best Available Control Technology, respectively, and 40 CFR 63, Subpart LLL, National Emissions Standards for Hazardous Air Pollutants from Portland Cement Manufacturing Industry, adopted in Rule 62-204.800, F.A.C.}

OTHER APPLICABLE REQUIREMENTS

1. Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for these emissions units. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations. [Rule 62-4.070, F.A.C.]

EQUIPMENT

2. Cement Loading Spouts: The owner or operator is authorized to replace the cement loading spouts and associated baghouses on A-Side Cement Storage Silo #1 and B-Side Cement Storage Silo #3. [Application 0530021-070-AC]

PERFORMANCE RESTRICTIONS

3. Process Rate: The maximum design transfer rate of finished cement for each loading spout is 300 tons per hour. [Rule 62-4.070(3), F.A.C., and Application No. 0530021-070-AC]

D. Clinker Handling Systems

This section of the permit addresses the following emissions units.

EU No.	Facility's Internal ID No.	Emission Unit Description
010	L-05, L-06, & L-07	Clinker Storage Silos with Baghouse
050	471.BF120	Clinker Storage Silo
	481.BF155	Clinker Silo Discharge 1
	481.BF165	Clinker Silo Discharge 2

These emissions units consist of clinker handling and storage systems that are responsible for the transfer of clinker to the finish mills of each cement line. This permitting action will authorize a new clinker chute that will discharge clinker from the Line 1 Clinker Conveyor onto the 150 Conveyor Belt.

{Permitting Notes: Emissions Unit 010 is regulated under Rule 62-297.620(4), F.A.C., Exceptions and Approval of Alternate Procedures and Requirements; Rules 62-212.400 and 62-212.400(4), F.A.C., Prevention of Significant Deterioration (PSD-FL-091K) and Best Available Control Technology, respectively, and 40 CFR 63, Subpart LLL, National Emissions Standards for Hazardous Air Pollutants from Portland Cement Manufacturing Industry, adopted in Rule 62-204.800, F.A.C.

Emissions Unit 050 is regulated under 40 CFR 63, Subpart LLL, National Emissions Standards for Hazardous Air Pollutants from Portland Cement Manufacturing Industry, adopted in Rule 62-204.800, F.A.C., and 40 CFR 63, Subpart A, General Provisions. This emissions unit is also regulated under Rule 62-212.400, F.A.C., Prevention of Significant Deterioration.}

PREVIOUS APPLICABLE REQUIREMENTS

1. Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for these emissions units. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations. [Rule 62-4.070, F.A.C.]

EQUIPMENT

2. 150 Conveyor Belt: The owner or operator is authorized to modify the 150 Conveyor Belt to allow for reversible directional operation. This will allow the conveyor to transfer clinker from Cement Line 1 to Cement Line 2, and vice versa. [Application No. 0530021-070-AC]

{Permitting Note: The authorization to modify the 150 Conveyor Belt does not authorize any process rate modifications.}

3. Clinker Chute: The owner or operator is authorized to construct a clinker transport chute as part of clinker handling operations on Cement Line 1. The Line 1 Clinker Conveyor will discharge into this chute, and the chute will discharge onto the 150 Conveyor Belt for transfer of clinker to Cement Line 2. [Application No. 0530021-070-AC]

CONTROL EQUIPMENT

4. Cement Line 1 Baghouse: Emissions of PM from the discharge of clinker from the Line 1 Clinker Conveyor into the new clinker chute (**Specific Condition 3**) shall be controlled by baghouse (EU 010, internal ID L-06). [Rule 62-4.070(3), F.A.C., and Application No. 0530021-070-AC]

5. Cement Line 2 Baghouse: Emissions of PM from the discharge of clinker from the new clinker chute onto the 150 Conveyor Belt and from the 150 Conveyor Belt into the Line 2 Cement Silos shall be controlled by baghouse (EU 050, internal ID 471.BF120). [Rule 62-4.070(3), F.A.C., and Application No. 0530021-070-AC]