Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

PERMITTEE

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

Authorized Representative:
Mr. Jim Daniel, Plant Manager

Air Permit No. 0530021-060-AC
Permit Expires: 10/31/2016
Minor Air Construction Permit

CEMEX Brooksville South Cement Plant
Cement Silo Dust Collector Replacement

PROJECT

This is the final air construction permit, which revises Permit No. 0530021-055-AC for the following items: The Dust Control and Loading Systems (DCL) model BV64-100 bin vent dust collector used to control emissions from the cement silo in Emissions Unit No. 065 will be replaced with a DCL model BV144-100 bin vent dust collector. The CEMEX Brooksville South Cement Plant consists of two Portland cement manufacturing lines and is a categorized under Standard Industrial Classification No. 3241. The existing facility is located in Hernando County at 10311 Cement Plant Road in Brooksville, Florida. The UTM coordinates are Zone 17, 360.0 km East, and 3162.5 km North.

This final permit is organized into the following sections: Section 1 (General Information) and Section 2 (Permit Revisions). 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.). 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. A copy of this permit modification shall be filed with the referenced permit and shall become part of the permit.

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 Hillsborough County, Florida

for

Pamala Vazquez
Program Administrator
Permitting & Waste Cleanup Program
Southwest District

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air 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.

James S. Daniel, CEMEX, jdaniel@cemexusa.com
George Townsend, CEMEX, gtownsend@cemexusa.com
Max Lee, Ph.D., P.E., Koogler and Associates, Inc., mlee@kooglerassociates.com
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Danielle Henry, FDEP Southwest District, Danielle.D.Henry@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.

Rhonda Hughes June 13, 2016
(Clerk) (Date)

FACILITY DESCRIPTION

The existing facility consists of two Portland cement manufacturing lines; associated raw and product material handling activities; coal handling activities and auxiliary equipment; as well as, all of the land designated as the South Brooksville facility and includes the following emissions units (EUs).

Facility ID No. 0530021

Brooksville South Portland Cement Line 1 - *Regulated Emissions Units*		
EU ID No.	**Facility's Internal ID No.**	**Brief 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
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-08 M-04	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		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		Cement Storage Silo #4 and Truck Loadout System with Baghouse
024	Z-18	Cement Storage Silo and Railcar Loadout System with Baghouses
064	M03	No. 1 Clinker Silo Discharge Belt Dust Control @ Finish Mill No. 1

Brooksville South Portland Cement Plant 2 - *Regulated Emissions Units*		
EU ID No.	**Baghouse ID No.**	**Brief Description**
Pyroprocessing System		
044	331.BF300	Kiln, In-line Raw Mill, Pre-Heater, Pre-Calciner 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
046	341.BF400	Blend Silo
047	351.BF420	Kiln Feed Transport
	341.BF410	Blend Silo Discharge
	351.BF410	Kiln Feed Bin
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
Other		
Not Numbered		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 Portland Cement Line 1 and Portland Cement Line 2		
042	N/A	Coal Receiving, Handling and Transfer System (fugitives)
Not Numbered		Facility wide Fugitive Emissions

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.

PROPOSED PROJECT

Construction Permit No 0530021-055-AC was previously issued and is for the construction of a new emissions unit which will include a new cement silo and railcar loadout system with baghouses. The emissions unit will receive cement from the finish mill of Cement Line 2 and will load the cement into railcars. A dust collector will be located atop of the storage silo and a compact filter module will be placed below the railcar loadout system where cement is discharged into the railcars. The proposed permit revision will replace the DCL model BV64-100 bin vent dust collector used to control emissions from the cement silo in Emissions Unit No. 065 with a DCL model BV144-100 bin vent dust collector.

This project will revise the following emissions unit.

Facility ID No. 0530021	
ID No.	**Emission Unit Description**
065	Cement Storage Silo and Railcar Loadout System with Baghouses (Cement Line 2)

The following permit conditions are revised as indicated. ~~Strikethrough~~ is used to denote the deletion of text. Double-underlines are used to denote the addition of text. All changes are emphasized with yellow highlight.

Permit Being Modified: Permit No. 0530021-055-AC

Affected Emissions Units: EU-065

Subsection 3A, Specific Condition A.2.: This condition is revised as follows.

> Cement Silo and Railcar Loadout: The permittee is authorized to install a new cement silo and railcar loadout system with dust collectors.
>
> - The cement silo will have a design capacity 1500 ton and a design throughput rate of 250 tons per hour. The silo will be equipped with a Dust Control and Loading Systems (DCL) model ~~BV64-100~~ BV144-100 Bin Vent Dust Collector.
> - The loadout system will have a design through put rate of 750 tons per hour and will be equipped with Dust Control and Loading Systems (DCL) model CFM470 Pulse Jet Compact Filter Module.
>
> [Application Nos. 0530021-055-AC & 0530021-060-AC]