



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for an air construction permit:

- For any required purpose at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air operation permit;
- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment new source review, or maximum achievable control technology (MACT);
- To assume a restriction on the potential emissions of one or more pollutants to escape a requirement such as PSD review, nonattainment new source review, MACT, or Title V; or
- To establish, revise, or renew a plantwide applicability limit (PAL).

Air Operation Permit – Use this form to apply for:

- An initial federally enforceable state air operation permit (FESOP); or
- An initial, revised, or renewal Title V air operation permit.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: CEMEX Construction Materials Florida, LLC	
2. Site Name: Brooksville South Cement Plant	
3. Facility Identification Number: 0530021	
4. Facility Location... Street Address or Other Locator: 10311 Cement Plant Road City: Brooksville County: Hernando Zip Code: 34601	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: John B. Koogler, Ph.D, P.E	
2. Application Contact Mailing Address... Organization/Firm: Koogler and Associates, Inc. Street Address: 4014 NW 13th Street City: Gainesville State: Florida Zip Code: 32609	
3. Application Contact Telephone Numbers... Telephone: (352)- 377- 5822 ext. 18 Fax: (352)-377-7158	
4. Application Contact E-mail Address: jkoogler@kooglerassociates.com	

Application Processing Information (DEP Use)

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

APPLICATION INFORMATION

Purpose of Application

This application for air permit is being submitted to obtain: (Check one)

Air Construction Permit

- Air construction permit.
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

Air Operation Permit

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

This application is for the repermitting of existing CEMEX Portland cement Kiln No. 1 and Kiln No. 2 as a facility separate from the Central Power and Lime power plant. The two facilities (the cement plant and the power plant) have been permitted as a single facility with Facility ID Number 0530021 since originally permitted in the mid-1980s. Most recently they have operated under Permit No. 0530021-029-AV, effective 12/29/2011. Recently (01/24/2012) FDEP issued Permit 0530380-001-AC to Florida Power Development, LLC (FPD) to convert the power plant to a stand-alone biomass fired power plant. This application is for stand-alone AC/AV permits for the CEMEX Brooksville South Cement Plant consisting of existing Kiln Nos. 1 and 2 and the associated activities described herein. There will be no cement plant modifications* or changes in emissions as a result of this project.

APPLICATION INFORMATION

***Note, a new stack may be constructed for Kiln No. 1 replacing the stack the Kiln previously shared with the power plant.**

APPLICATION INFORMATION

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Processing Fee
Brooksville South Cement Plant Kiln No. 1			
001/D-75	Filter Dust Bin with Baghouse		NA
002/D-67	Fly Ash/Equilibrium Catalyst Bin 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/L06 to L05 & L07	Clinker Storage Silos with Baghouse		
011/L-08	Gypsum and Limestone Bins with Baghouse		
012/M-08	Silo Discharge with Baghouse		
013/N-13	Finish Mill with Baghouse		
014/Q-17	A-side Cement Storage Silos Nos. 1 & 2 Discharge System with Baghouse		
015/Q-15	Cement Storage Silos Nos. 1 & 2 with Baghouse		
019/M-05	Finish Mill feed belt with Baghouse		
020	Cement Kiln-I, In-line Kiln/Raw Mill and Clinker Cooler I with Baghouse		
021/Q-18	B-Side Cement Storage Silos 1,2 & 3 with Discharge system with Baghouse		
Note: EU-017, Iron ore Bin and baghouse was removed from service in 2009			

APPLICATION INFORMATION

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Processing Fee
022/Z-15	Cement Storage Silo # 3 with Baghouse		NA
023	Cement Storage Silo # 4 with Truck Loadout system with Baghouse		
024/Z-18	Cement Storage silo and Railcar Loadout system with Baghouses		
Brooksville South Cement Plant Kiln Nos. 1 and 2 – Coal Yard & Fugitive Emissions			
042	Coal Receiving, Handling and Transfer System (Fugitives)		NA
	Facility wide Fugitive Emissions		
Brooksville South Cement Plant Kiln No. 2			
044	Kiln No. 2/Preheater/Precalciner/Clinker Cooler/Air Heater		N/A
045	Filter Dust		
046	Raw Meal Transport		
047	Kiln Feed Transport		
048	Clinker Transport		
050	Clinker Storage		
051	Finish Mill Collecting Bin		
052	Finish Mill		
054	Bucket Elevator		
057	Cement Transport		

APPLICATION INFORMATION

058	Cement Loadout Bin	
059	Cement Loadout Bin	
060	Coal Mill	
061	Fine Coal Bin	
062	Packing Plant	

Application Processing Fee

Check one: Attached - Amount: \$ _____ Not Applicable

APPLICATION INFORMATION

Owner/Authorized Representative Statement

Complete if applying for an air construction permit or an initial FESOP.

1. Owner/Authorized Representative Name: James S. Daniel, Plant Manager
2. Owner/Authorized Representative Mailing Address... Organization/Firm: CEMEX Construction Materials Florida, LLC Street Address: 10311 Cement Plant Road City: Brooksville State: Florida Zip Code: 34601
3. Owner/Authorized Representative Telephone Numbers... Telephone: (352) 799-7881 ext. Fax: (352) 540-4794
4. Owner/Authorized Representative E-mail Address: jdaniel@cemexusa.com
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the corporation, partnership, or other legal entity submitting this air permit application. To the best of my knowledge, the statements made in this application are true, accurate and complete, and any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department.</i>  Signature  Date

APPLICATION INFORMATION

Application Responsible Official Certification

Complete if applying for an initial, revised, or renewal Title V air operation permit or concurrent processing of an air construction permit and revised or renewal Title V air operation permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

1. Application Responsible Official Name: Jim Daniel ,Cement Plant Manager
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source or CAIR source.
3. Application Responsible Official Mailing Address... Organization/Firm: CEMEX CONSTRCTION MATERIALS FLORIDA, LLC Street Address: 10311 Cement Plant Road City: Brooksville State: Florida Zip Code: 34601
4. Application Responsible Official Telephone Numbers... Telephone: (352)799-7881 ext. Fax: (352) 540 -4794
5. Application Responsible Official E-mail Address: jdaniel@cemexusa.com

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: John B. Koogler, Ph.D, P.E Registration Number: 12925
2. Professional Engineer Mailing Address... Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: FL Zip Code: 32609
3. Professional Engineer Telephone Numbers... Telephone: (352)377 - 5822 ext. 18 Fax: (352)- 377-7158
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(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</i> <i>(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.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input checked="" type="checkbox"/> 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 plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/> if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input checked="" type="checkbox"/>, 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.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, 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.</i> Signature _____ Date <u>2/22/2012</u> (seal) _____

* Attach any exception to certification statement.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates...		2. Facility Latitude/Longitude...	
Zone 17	East (km) 360	Latitude (DD/MM/SS) 28/35/55.3	Longitude (DD/MM/SS) 82/25/52
	North (km) 3162.5		
3. Governmental Facility Code:	4. Facility Status Code:	5. Facility Major Group SIC Code:	6. Facility SIC(s):
0	A	32	3241
7. Facility Comment :			

Facility Contact

1. Facility Contact Name: George Townsend, Environmental Manager
2. Facility Contact Mailing Address... Organization/Firm: CEMEX Construction Materials Florida LLC Street Address: 10311,Cement Plant Road City: Brooksville State: FL Zip Code: 34601
3. Facility Contact Telephone Numbers: Telephone: (325)799- 7881 ext. Fax: (352)799 -6088
4. Facility Contact E-mail Address: gtownsend@cemexusa.com

Facility Primary Responsible Official

Complete if an "application responsible official" is identified in Section I that is not the facility "primary responsible official."

1. Facility Primary Responsible Official Name:
2. Facility Primary Responsible Official Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
3. Facility Primary Responsible Official Telephone Numbers... Telephone: () - ext. Fax: () -
4. Facility Primary Responsible Official E-mail Address:

FACILITY INFORMATION

Facility Regulatory Classifications

Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a “major source” and a “synthetic minor source.”

1. <input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown
2. <input type="checkbox"/> Synthetic Non-Title V Source	
3. <input checked="" type="checkbox"/> Title V Source	
4. <input checked="" type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5. <input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6. <input checked="" type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7. <input type="checkbox"/> Synthetic Minor Source of HAPs	
8. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9. <input type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11. <input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12. Facility Regulatory Classifications Comment:	
<p>The Brooksville South Cement Plants are subject to; 40 CFR 60 Subpart F: Standards of Performance for Portland Cement Plants (superseded by 40 CFR 63, Subpart LLL); 40 CFR 60, Subpart Y: Standards of Performance for Coal Preparation Plants; and 40 CFR 63 Subpart LLL: National Emission Standards for Hazardous Air Pollutants from the Portland Cement Industry.</p>	

FACILITY INFORMATION

List of Pollutants Emitted by Facility

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
PM	A	N
PM10	A	N
SO2	A	N
NOx	A	N
CO	A	N
Hazardous air Pollutants (HAPs)	A	N
D/F	B	N
H114	B	N
SAM	B	N
FL	B	N

FACILITY INFORMATION

B. EMISSIONS CAPS

Facility-Wide or Multi-Unit Emissions Caps

1. Pollutant Subject to Emissions Cap	2. Facility-Wide Cap [Y or N]? (all units)	3. Emissions Unit ID's Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap

7. Facility-Wide or Multi-Unit Emissions Cap Comment:

FACILITY INFORMATION

C. FACILITY ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

<p>1. Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Attached, Document ID:<u>2010-FCB-F1</u> <input type="checkbox"/> Previously Submitted,</p> <p>Date:<u>11/08/2010*</u></p>
<p>2. Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Attached, Document ID:<u>2010-FCB-F2</u> <input type="checkbox"/> Previously Submitted,</p> <p>Date:<u>11/08/2010</u></p>
<p>3. Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Attached, Document ID:<u>2010-FCB-F3</u> <input type="checkbox"/> Previously Submitted,</p> <p>Date: <u>11/08/2010</u></p>

Additional Requirements for Air Construction Permit Applications

<p>1. Area Map Showing Facility Location:</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (existing permitted facility)</p>
<p>2. Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL):</p> <p><input type="checkbox"/> Attached, Document ID: <u>NA</u></p>
<p>3. Rule Applicability Analysis:</p> <p><input type="checkbox"/> Attached, Document ID: _____</p>
<p>4. List of Exempt Emissions Units:</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (no exempt units at facility)</p>
<p>5. Fugitive Emissions Identification:</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable</p>
<p>6. Air Quality Analysis (Rule 62-212.400(7), F.A.C.):</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable</p>
<p>7. Source Impact Analysis (Rule 62-212.400(5), F.A.C.):</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable</p>
<p>8. Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.):</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable</p>
<p>9. Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A.C.):</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable</p>
<p>10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.):</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable</p>

FACILITY INFORMATION

***- All required Attachments were provided to FDEP with the TV application for renewal dated 11/08/2010 (resulting in Permit No. 0530021-029-AV). The Attachment IDs are preserved in this Application for reference; but the Attachments are not resubmitted.**