



Florida Department of Environmental Protection

Central District
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Orlando, Florida 32803-3767

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Electronically Sent- Received Receipt Requested

FINAL PERMIT

PERMITTEE

CEMEX Construction Materials Florida, LLC
1501 Belvedere Road
West Palm Beach, Florida 33406

Air Permit No. 0090081-006-AO
Permit Expires: 08/31/2017
Site Name: CEMEX-Cocoa/City Point
Minor Source Air Operation Permit
Project Name: Renewal

Authorized Representative:
Mr. Jeffrey R. Porter, Environmental Manager

This is the final air operation permit, which authorizes operation of a ready-mix concrete batching plant, a concrete block manufacturing plant, and a sandblasting bay. The CEMEX Cocoa Site (Standard Industrial Classification No. 3271) is located in Brevard County at 3345 East Industry Road in Cocoa, Florida. The UTM coordinates are Zone 17, 523.30 km East, and 3142.20 km North.

This final permit is organized by the following sections:

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Facility-wide and Emissions Unit Specific Conditions
- 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.

This air pollution 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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever

occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

All petitions filed under these rules shall contain:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

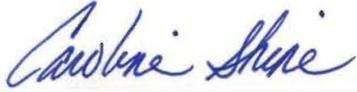
Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

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, 3900 Commonwealth Boulevard, Mail Station #35, 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 thirty days after this order is filed with the clerk of the Department.

Executed in Orange County, Florida



Caroline D. Shine
Air Program Administrator
Central District

May 9, 2012
Effective Date

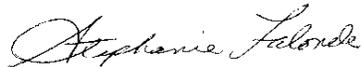
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Permit and the Appendices) 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 May 9, 2012 to the persons listed below.

Mr. Jeffrey R. Porter, CEMEX Construction Materials Florida, LLC (jeffreyr.porter@cemex.com)

Clerk Stamp

FILED, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



(Clerk)

May 9, 2012
(Date)

SECTION 1. GENERAL INFORMATION (FINAL)

FACILITY AND PROJECT DESCRIPTION

CEMEX - Cocoa/ City Point

This facility includes a ready-mix concrete batching facility, a concrete block manufacturing plant, and a sandblasting bay for the facility’s maintenance shop.

The ready-mix concrete batching facility has a twin-compartment cement silo (with two C. & W. Dust Systems Model CP-305-839 cartridge dust collectors), a twin-compartment fly ash silo (with two C. & W. Dust Systems Model CP-305-839 cartridge dust collectors), a single-compartment slag silo (with a C. & W. Dust Systems Model CP-305-839 cartridge dust collector), a cement weigh hopper, which is fully-enclosed within the batching facility structure (with a Griffin Environmental Model ST-12H-CDS baghouse batcher vent), and a concrete mixer truck load out (with an APPCO Model 60-7000 baghouse dust collector).

The concrete block manufacturing plant has a single-compartment cement bin (with a BHA Model “Pulse Pleat” four-cartridge dust collector) and a cement weigh hopper/mixer machine, which is fully enclosed within the block plant building (with a BHA Model “Pulse Pleat” two-cartridge dust collector).

The sandblasting bay has a single-compartment sand bin (served by a Torit Model MTD-60 cartridge dust collector).

The existing facility consists of the following emissions units.

Facility ID No. 0090081	
ID No.	Emission Unit Description
001	Concrete Batch Plant with Cement , Fly ash, and Slag Silos
002	Concrete Block Plant with Cement Storage Bin
003	Sandblasting Bay with Media (Sand) Storage Bin (Currently not in service)

Project Description and Affected Emissions Units

The purpose of this project is to renew Air Operation Permit No. 0090081-004-AO. This project places emissions unit (EU) 003, sandblasting bay, in long-term reserve status due to the unit being out of service since 04/30/2007. This project also adds annual testing requirements to reflect the January 10, 2007 rule update for Concrete Batch Plants, Rule 62-296.414, F.A.C.

NOTE: Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 1. GENERAL INFORMATION (FINAL)

- This facility is a natural minor source of air pollution.

PERMIT HISTORY/AFFECTED PERMITS

Replaces Permit No. 0090081-004-AO.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection, Central District Air Resource Management Section. The Central District's mailing address and phone number is:

Florida Department of Environmental Protection
Central District Office
Air Resource Management Section
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
Telephone: 407-897-4100

All documents related to applications for permits shall be submitted to the above address.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Central District Air Resource Management Section (see above mailing address and phone number).
3. Appendices: The following Appendices are attached as part of this permit:
 - a. Appendix A. Citation Formats and Glossary of Common Terms;
 - b. Appendix B. General Conditions;
 - c. Appendix C. Common Conditions; and
 - d. 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: Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]
7. Operation Permit Renewal Application: A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of the operation permit. To properly apply for an operation permit, the applicant shall submit the following:

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

- a. the appropriate permit application form (*see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>*);
- b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;
- c. copies of the most recent compliance test reports required by Specific Condition No. **A.11.**, if not previously submitted; and
- d. copies of the most recent two months of records/logs specified in Specific Condition No. **A.12.**

[Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Concrete Batching and Block Operations

This section of the permit addresses the following emissions units.

ID No.	Emission Unit Description
001	The ready-mix concrete batching facility is equipped with: (1) A twin-compartment cement silo (with two C. & W. Dust Systems Model CP-305-839 cartridge dust collectors), (2) A twin-compartment fly ash silo (with two C. & W. Dust Systems Model CP-305-839 cartridge dust collectors), (3) A single-compartment slag silo (with a C. & W. Dust Systems Model CP-305-839 cartridge dust collector), (4) A cement weigh hopper, which is fully-enclosed within the batching facility structure (with a Griffin Environmental Model ST-12H-CDS baghouse batcher vent), and (5) A concrete mixer truck load out (with an APPCO Model 60-7000 baghouse dust collector).
002	The concrete block manufacturing plant is equipped with: (1) A single-compartment cement bin (with a BHA Model "Pulse Pleat" four-cartridge dust collector), and (2) A cement weigh hopper/mixer machine, which is fully enclosed within the block plant building (with a BHA Model "Pulse Pleat" two-cartridge dust collector).
003	The sandblasting bay is equipped with a single-compartment sand bin (served by a Torit Model MTD-60 cartridge dust collector). (Currently not in service and placed in long-term reserve shutdown effective 04/30/2007.)

PERFORMANCE RESTRICTIONS

- A.1. Permitted Capacity: The maximum permitted process rate is 245,000 tons per consecutive twelve-month period for each silo.
[Rule 62-210.200(PTE), F.A.C.]
- A.2. Restricted Operation: The ready-mix concrete batching facility and the concrete block manufacturing plant are permitted to operate continuously, while the sandblasting bay is permitted to operate 1,040 hours per consecutive twelve months.
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

- A.3. Stack Emissions: Emissions from silos, weigh hoppers (batchers), and other enclosed storage and conveying equipment shall be controlled to the extent necessary to limit visible emissions to 5 percent opacity.
[Rule 62-296.414(1), F.A.C.]
- A.4. Unconfined Emissions: All reasonable precautions shall be taken to control unconfined emissions from hoppers, storage and conveying equipment, conveyor drop points, truck loading and unloading, roads, parking areas, stock piles, and yards. For concrete batching plants the following shall constitute reasonable precautions:

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Concrete Batching and Block Operations

- a. Application of water when necessary to control emissions.
- b. Removal of particulate matter from roads and other paved areas under control of the owner or operator to prevent reentrainment, and from buildings or work areas to prevent particulate.
- c. Enclosure or covering of conveyor systems.
- d. Curtailing of operation if winds are entraining unconfined particulate matter.
- e. Use of a spray bar, partial enclosure or chute to mitigate emissions at the drop point to the truck.

[Rules 62-296.320(4)(c) and 62-296.414(2), F.A.C.]

TESTING REQUIREMENTS

- A.5. **Sandblasting Bay (EU 003) Start-up Compliance Test:** The emissions unit shall be tested to demonstrate compliance with the emissions standards for visible emissions, specified in Specific Condition No. A.3., no later than thirty (30) days after start-up of the unit.

[Rule 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]

- A.6. **Compliance Tests:** During each federal year (October 1st to September 30th), each silo dust collector shall be tested to demonstrate compliance with the emissions standards for visible emissions specified in Specific Condition No. A.3.

[Rule 62-296.414(4)(b) and 62-297.310, F.A.C.]

- A.7. **Test Requirements:** Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.

[Rule 62-297.310, F.A.C.]

- A.8. **Test Method:** Required tests shall be performed in accordance with the following reference method.

EPA Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources: Test shall last thirty minutes or the length of the batch/cycle

The above method is described in Appendix A of 40 CFR 60 and adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

- A.9. **Silo Loading Rate:** Visible emissions tests of each silo dust collector exhaust points shall be conducted while loading the silo at a rate that is representative of the normal silo loading rate. The minimum loading rate shall be 25 tons per hour unless such rate is unachievable in practice.

[Rule 62-296.414(3)(c), F.A.C.]

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Concrete Batching and Block Operations

NOTIFICATION REQUIREMENTS

- A.9. Test Notification: The permittee shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]
- A.10. Notification of Operation Commencement: The permittee shall notify the Compliance Authority in writing of the start-up date of the **Sandblasting Bay (EU 003)**, no later than five (5) business days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rule 62-4.070, F.A.C., and Rule 62-210.200, F.A.C., (Definition of Commence Operation)]

RECORDS AND REPORTS

- A.11. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. **Each test report shall state the actual silo loading rate during emissions testing.** [Rules 62-296.414(3)(c) and 62-297.310(8), F.A.C.]
- A.12. Monthly Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition Nos. **A.1.** and **A.2.**, the permittee shall maintain a log at the facility for a period of at least five (5) years from the date the data is recorded and made available to the Department upon request. The log shall contain the following:
- Facility Name, Facility ID No. (i.e., 0090081);
 - Month and year of record;
 - Most recent consecutive 12-month total process rate for each silo (tons/consecutive 12-month period); and
 - Total hours of operation for the sandblasting bay (EU 003) once the unit is back in operation.

The monthly logs shall be completed by the end of the following month.

Note: A consecutive 12 months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities or emission units that have not been operating for 12 months should retain 12 months totals using whatever number of months of data are available until such a time as a consecutive 12 months total can be maintained each month.

[Rule 62-4.070(3), F.A.C.]