

The ship loading rate will be limited to 300 tons/hour. When ships are loaded in the above manner, emissions from the four airslides will be controlled by the existing Mikro-Pulsaire, Model 1-F-1, baghouse designated as 10-K. This baghouse also controls emissions from the automated packing machine and the railcar unloading operation. The baghouse currently has a design flowrate of 7,400 DSCFM. As part of this project, Cemex will modify the baghouse fan to increase the flowrate to 7,900 DSCFM.

In addition, the facility will be allowed to load ships from trucks. Cement materials will be loaded into ships from trucks using the trucks' offloading systems at a maximum rate of 300 tons/hour. A maximum of sixteen (16) trucks will pneumatically convey material to the ship using a sealed flexible piping system. Particulate matter emissions from the ship loading operation, either from trucks or the silos, will be controlled by the ship's baghouse system. Because the make, model, and air flowrate of the baghouse will vary from ship to ship, the airflow rate of the baghouse is not limited. However, a condition will be added to the permit to ensure that during the truck loading operation, the permittee shall ensure that the ship's onboard baghouse system will have the capability to handle the volume of air displaced from all the trucks that will simultaneously load into a ship. The ship loading operation will be limited to operating 4,000 hours/year.

The increase in the potential particulate matter emissions from the ship loading operation are 25.3 tons/year based on the grain loading standard of 0.03 gr/dscf, the hours of operation, and the requested maximum flowrate of 48,179 DSCFM for the ship's baghouse system. This results in an increase in facility wide potential particulate matter emissions from 40.4 to 65.8 tons/year. The facility is subject to Rules 62-296.700 and 62-296.711, F.A.C. (PM RACT), and Chapter 1-3.52, Rules of the EPC.

Based on our review, we recommend issuance of this permit as drafted.

LAW: 0570031-017-AC

TECHNICAL EVALUATION

AND

PRELIMINARY DETERMINATION

FOR

Cemex Cement of Louisiana, Inc.

Hillsborough County

Air Construction Permit

Application Number

0570031-017-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

March 22, 2013

I. Project Description

A. Applicant:

Jose De La Garza
VP Logistics – East Region
Cemex Cement of Louisiana, Inc.
1501 Belvedere Rd.
West Palm Beach, FL 33406

B. Engineer:

Maxwell R. Lee, P.E.
Koogler and Associates, Inc.
4014 NW 13th St.
Gainesville, FL 32609

C. Project and Location:

This permit authorizes the installation of four aeration conveyors (i.e., airslides) in order to transfer cement materials from the silos to a ship at a cement materials handling facility. Cemex just recently purchased this facility from Holcim (US), Inc. In addition, this permit will allow the facility the ability to pneumatically unload cement materials directly from trucks to ships. Previously, trucks were only allowed to do this operation into the silos.

The project has been assigned NEDS Source Classification Code No. 3-05-105-02 for Bulk Material Loading Operation. The Standard Industrial Code for the project is No. 32 for Stone, Clay, Glass, and Concrete Products. The project is located at 3417 Port Sutton Road, Tampa, FL 33619. UTM Coordinates of the location are 17-359.50E and 3087.30N.

D. Process and Controls:

This project is for the installation of aeration conveyors (i.e., airslides) in order to transfer cement materials from the silos to a ship at a cement materials handling facility. In addition, this permit will allow the facility the ability to pneumatically unload cement materials directly from trucks to ships. Previously, trucks were only allowed to do this operation into the silos.

Currently, cement materials are received at the facility by ship, railcar, or truck and pneumatically unloaded into eleven storage silos. When the cement materials are ready to be loaded out, they are either packaged into bags using an automated packing machine, the Haver Roto Packer, Model 8(6) RSE-U or loaded into trucks using two loading bays with four loading spouts.

In this project, the facility will modify the existing equipment and will add a total of four airslides, each approximately 10 feet in length, which will tie into the current EU No. 010 for the cement packaging operation. The airslides will allow material to be diverted from

the two existing screw conveyors which currently direct material from the silos to two bucket elevators, then to the packing system hopper, and then into the packer. Two of the air slides will divert the material from the screw conveyors and direct the material to the existing railcar unloading hopper. An additional two airslides will divert the material from the screw conveyors and direct the material into a second hopper that the facility will construct in order to facilitate ship loading. Using the existing electric cement pump and a second electric cement pump that will be constructed along with the second hopper, the material from both hoppers will be pneumatically transferred to the existing input/output piping that will feed material into a totally enclosed ship. The movement of the cement material onto the ship will be powered by the facility's current electric-power pumping systems.

The ship loading rate will be limited to 300 tons/hour. When ships are loaded in the above manner, emissions from the four airslides will be controlled by the existing Mikro-Pulsaire, Model 1-F-1, baghouse designated as 10-K. This baghouse also controls emissions from the automated packing machine and the railcar unloading operation. The baghouse currently has a design flowrate of 7,400 DSCFM. As part of this project, Cemex will modify the baghouse fan to increase the flowrate to 7,900 DSCFM.

In addition, the facility will be allowed to load ships from trucks. Cement materials will be loaded into ships from trucks using the trucks' offloading systems at a maximum rate of 300 tons/hour. A maximum of sixteen (16) trucks will pneumatically convey material to the ship using a sealed flexible piping system. Particulate matter emissions from the ship loading operation, either from trucks or the silos, will be controlled by the ship's baghouse system. Because the make, model, and air flowrate of the baghouse will vary from ship to ship, the airflow rate of the baghouse is not limited. However, a condition will be added to the permit to ensure that during the truck loading operation, the permittee shall ensure that the ship's onboard baghouse system will have the capability to handle the volume of air displaced from all the trucks that will simultaneously load into a ship. The ship loading operation will be limited to operating 4,000 hours/year.

The increase in the potential particulate matter emissions from the ship loading operation are 25.3 tons/year based on the grain loading standard of 0.03 gr/dscf, the hours of operation, and the requested maximum flowrate of 48,179 DSCFM for the ship's baghouse system. This results in an increase in facility wide potential particulate matter emissions from 40.4 to 65.8 tons/year. The facility is subject to Rules 62-296.700 and 62-296.711, F.A.C. (PM RACT), and Chapter 1-3.52, Rules of the EPC.

E. Application Information:

Received on: March 4, 2013

Information Requested: N/A

Application Complete: March 4, 2013

II. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes, Chapters, 62-204, 62-210, 62-212, 62-296, and 62-297, Florida Administrative Code (F.A.C.) and Chapter 1-3 of the Rules of the Environmental Protection Commission of Hillsborough County.

This project is subject to the requirements of Rule 62-212.300, General Preconstruction Review Requirements, F.A.C., since the project is not exempt from the permit requirements in Rule 62-210.300, F.A.C.

This project is not subject to the requirements of Rule 62-212.400, Prevention of Significant Deterioration, F.A.C. or Rule 62-212.500, New Source Review for Nonattainment Areas, F.A.C., since the facility is a minor facility by state definition.

This project is not subject to the requirements of Rule 62-213, Operation Permits for Major Sources of Air Pollution, F.A.C., since the facility is a minor facility by state definition.

This project is subject to the requirements of Rule 62-296.320, General Pollutant Emission Limiting Standards, F.A.C., since the project is a potential source of particulate matter (PM) and visible emissions.

This project is not subject to the requirements of Rule 62-296.401, through 62-296.480, Specific Emission Limiting and Performance Standards, F.A.C., since there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.500, Volatile Organic Compounds and Nitrogen Oxides Reasonably Available Control Technology, F.A.C., since there are no VOC or NOx emission sources at the facility and there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.600, Reasonably Available Control Technology - Lead, F.A.C., since there are no lead emission sources at the facility and there is no applicable source specific category in this rule.

This project is subject to the requirements of Rule 62-296.700, Reasonably Available Control Technology – Particulate Matter, F.A.C., since there is an applicable source specific category in this rule, specifically Rule 62-296.711, F.A.C. – Materials Handling, Sizing, Screening, Crushing and Grinding Operations since the potential particulate matter emissions from the project are 24.8 tons/year and the facility wide potential particulate matter emissions are 65.2 tons/year.

This project is not subject to the requirements of Rule 62-204.800, Federal Regulations Adopted by Reference, F.A.C., since there is no applicable source specific category in this rule.

This project is subject to the requirements of Chapter 84-446, Laws of Florida and Chapter 1-3, Rules of the Environmental Protection Commission of Hillsborough County.

III. Summary of Emissions for Emission Units Modified

Emission Unit	Current Actual PM Emissions (TPY)	Allowable/Potential PM Emissions (TPY)	Actual Emissions Increase (TPY)
010 - Cement Materials Transfer and Packing	0.7 (from Packing Operation)	8.9	4.8
029 - Cement Materials Loading into Ships	NA	24.8	24.8

- The actual PM emissions are based on the average of 2010 and 2011 AOR data.
- Potential PM emissions from EU No. 010 are based on the grain loading standard of 0.03 gr/dscf, an airflow rate of 7,900 dscfm, and 8,760 hours of operation.
- The Allowable/Potential PM Emissions for EU No. 029 are based on the grain loading standard of 0.03 gr/dscf, an average airflow rate of 48,179 dscfm, and 4,000 hours of operation. However, the facility is not limited to operating a shipboard baghouse system that is rated at 48,179 dscfm or less.
- The Actual Emissions Increase for EU No. 010 is based on the potential emissions of the emission unit if it operated 4,000 hours, which is the operating limit for the ship loading operation, minus the current actual emissions.

IV. Conclusions:

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C., and Chapter 1-3, Rules of the Commission.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

V. Proposed Agency Action:

Pursuant to Section 403.087, Florida Statutes and Rule 62-4.070, Florida Administrative Code the Environmental Protection Commission of Hillsborough County hereby gives notice of its intent to issue a permit to construct the aforementioned air pollution source in accordance with the draft permit and its conditions as stipulated (see attached).

CERTIFIED MAIL

In the Matter of an
Application for Permit by:

File No.: 0570031-017-AC
County: Hillsborough

Jose De La Garza
VP Logistics – East Region
Cemex Cement of Louisiana, Inc.
1501 Belvedere Rd.
West Palm Beach, FL 33406

INTENT TO ISSUE

The Environmental Protection Commission of Hillsborough County (EPC), as delegated by the Florida Department of Environmental Protection (DEP) gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Cemex Cement of Louisiana, Inc., applied on March 4, 2013 for a construction permit to install aeration conveyors (i.e., airslides) in order to transfer cement materials from the silos to a ship. Also, this permit will allow the facility the ability to pneumatically unload cement materials directly from trucks to ships. Particulate matter emissions will be controlled by either ship's baghouse system and an existing baghouse that currently control emissions from the packer. The facility is located at 3417 Port Sutton Rd, Tampa, Hillsborough County, FL, 33619.

The EPC has permitting jurisdiction under Chapter 403 Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-212. The project is not exempt from permitting procedures. The EPC has determined that an air pollution construction permit is required to commence or continue operations at the described facility.

The EPC intends to issue this permit based on the belief that reasonable assurances have been provided to indicate that operation of the source will comply with the appropriate provisions of Florida Administrative Code (F.A.C.) Chapters 62-204 through 62-297 and 62-4.

Pursuant to Section 403.815 and Rule 62-110.106(7)(a)1., F.A.C, you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only within 30 days of receipt of this Intent to Issue, in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the EPC at the address or telephone number listed below. **The applicant shall provide proof of publication to the EPC, Air Permitting Section, at 3629 Queen Palm Drive, Tampa, Florida 33619 (Phone 813-627-2600 - FAX 813-627-2660) within 7 (seven) days of publication, pursuant to Rule 62-110.106(5), F.A.C.** Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit pursuant to Rule 62-110.106(9)&(11), F.A.C.

The EPC will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Section 120.569 and 120.57 F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

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, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (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, F.A.C.

A petition that disputes the material facts on which the EPC's action is based is required to contain the following information:

- (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 and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the EPC's determination;

- (c) A statement of how and when the petitioner received notice of the EPC action;
- (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 EPC's proposed action;
- (f) A statement of specific rules or statutes that the petitioner contends requires reversal or modification of the EPC'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 EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC'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, F.A.C.

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

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition, this order will not be effective until further order of the EPC.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, FL 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner,
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any,
- (c) Each rule or portion of a rule from which a variance or waiver is requested,
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above,
- (e) The type of action requested,
- (f) The specific facts that would justify a variance or waiver for the petitioner,

(g) The reason by the variance or waiver would serve the purposes of the underlying statute (implemented by the rule), and

(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of the those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Any person listed below may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, and all other materials available to the EPC that are relevant to the permit decision. Interested persons may contact Diana M. Lee, P.E., at the above address or call (813) 627-2600, for additional information.

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 EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and 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 thirty days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

Cemex Cement of Louisiana, Inc.
West Palm Beach, FL 33406

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cc: Florida Department of Environmental Protection (via email)
Maxwell Lee, P.E. – Koogler and Associates, Inc. (via email)

CERTIFICATE OF SERVICE

The undersigned duly designated clerk hereby certifies that this INTENT TO ISSUE and all copies were mailed before the close of business on _____ to the listed persons.

FILING AND ACKNOWLEDGEMENT

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

Clerk

Date

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY
NOTICE OF INTENT TO ISSUE PERMIT

The Environmental Protection Commission of Hillsborough County (EPC), as delegated by the Florida Department of Environmental Protection (DEP), gives notice of its intent to issue air pollution permit No. 0570031-017-AC to Cemex Cement of Louisiana, Inc. to install aeration conveyors in order to transfer cement materials from the silos to a marine vessel. Also, this permit will allow the facility the ability to pneumatically unload cement materials directly from trucks to ships. Particulate matter emissions will be controlled by the ship's baghouse system and an existing baghouse that currently control emissions from the packer. The synthetic non-TV facility is located at 3417 Port Sutton Rd, Tampa, FL 33619.

A Best Available Control Technology (BACT) determination was not required.

The EPC will issue the Final permit with the conditions of the DRAFT permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. before the deadline for filing a petition. The procedures for petitioning for hearing are set forth below.

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, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (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 F.A.C.

A petition that disputes the material facts on which the EPC's action is based must contain the following information:

- (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, and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when petitioner received notice of the EPC action;
- (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 EPC proposed action;

(f) A statement of specific rules or statutes the petitioner contends requires reversal or modification of the EPC's proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC'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.

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

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition this order will not be effective until further order of the EPC.

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 EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and 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 thirty days after this order is filed with the clerk of the Department.

The complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Environmental Protection Commission of Hillsborough County, 3629 Queen Palm Drive, Tampa, Florida 33619. The complete project file includes the proposed Permit, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Diana M. Lee, P.E., at the above address, or call 813-627-2600, for additional information. Any written comments filed shall be available for public inspection. If written comments received result in a significant change in the proposed agency action, the EPC shall revise the proposed permit and require, if applicable, another Public Notice.

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PERMIT

Jose De La Garza
VP Logistics – East Region
Cemex Cement of Louisiana, Inc.
1501 Belvedere Rd.
West Palm Beach, FL 33406

Re: Hillsborough County - AP

Dear Mr. De La Garza:

Enclosed is Permit Number 0570031-017-AC to install aeration conveyors in order to transfer cement materials from the silos to a ship. Also, this permit will allow the facility the ability to pneumatically unload cement materials directly from trucks to ships, issued pursuant to Section 403.087, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the EPC in the Legal Department at 3629 Queen Palm Drive, Tampa, FL 33619; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

RDG/LAW/law

Cemex Cement of Louisiana, Inc.
West Palm Beach, FL 33406

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cc: Florida Department of Environmental Protection (via email)
Maxwell Lee, P.E. – Koogler and Associates, Inc. (via email)

CERTIFICATE OF SERVICE

The undersigned duly designated clerk hereby certifies that this INTENT TO ISSUE and all copies were mailed before the close of business on _____ to the listed persons.

FILING AND ACKNOWLEDGEMENT

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

Clerk

Date

PERMITTEE:

Cemex Cement of Louisiana, Inc.
3417 Port Sutton Road
Tampa, FL 33619

PERMIT/CERTIFICATION

Permit No.: 0570031-017-AC
County: Hillsborough
Expiration Date: September 1, 2014
Project: Ship Loading

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-296, 62-297, and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the EPC and made a part hereof and specifically described as follows:

This project is for the installation of aeration conveyors (i.e., airslides) in order to transfer cement materials from the silos to a ship at a cement materials handling facility. Cemex just recently purchased this facility from Holcim (US), Inc. In addition, this permit will allow the facility the ability to pneumatically unload cement materials directly from trucks to ships. Previously, trucks were only allowed to do this operation into the silos.

Currently, cement materials are received at the facility by ship, railcar, or truck and pneumatically unloaded into eleven storage silos. When the cement materials are ready to be loaded out, they are either packaged into bags using an automated packing machine, the Haver Roto Packer, Model 8(6) RSE-U or loaded into trucks using two loading bays with four loading spouts.

In this project, the facility will modify the existing equipment and will add a total of four airslides, each approximately 10 feet in length, which will tie into the current EU No. 010 for the cement packaging operation. The airslides will allow material to be diverted from the two existing screw conveyors which currently direct material from the silos to two bucket elevators, then to the packing system hopper, and then into the packer. Two of the air slides will divert the material from the screw conveyors and direct the material to the existing railcar unloading hopper. An additional two airslides will divert the material from the screw conveyors and direct the material into a second hopper that the facility will construct in order to facilitate ship loading. Using the existing electric cement pump and a second electric cement pump that will be constructed along with the second hopper, the material from both hoppers will be pneumatically transferred to the existing input/output piping that will feed material into a totally enclosed ship. The movement of the cement material onto the ship will be powered by the facility's current electric-power pumping systems.

PERMITTEE:
Cemex Cement of Louisiana, Inc.

Permit/Certification No.: 0570031-017-AC
Project: Ship Loading

SPECIFIC CONDITIONS:

1. A part of this permit is the attached General Conditions. [Rule 62-4.160, F.A.C.]
2. All applicable rules of the Environmental Protection Commission of Hillsborough County including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. [Rule 62-4.070(7), F.A.C.]
3. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C., or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]
4. The permittee shall not cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rule 62-296.320(2), F.A.C.]
5. The use of property, facilities, equipment, processes, products, or compounds, or the commission of paint overspraying or any other act, that causes or materially contributes to a public nuisance is prohibited, pursuant to the Hillsborough County Environmental Protection Act, Section 16, Chapter 84-446, Laws of Florida, as Amended.
6. The potential and allowable emissions for each emission unit shall not exceed the following: [Rule 62-296.711(2), F.A.C.]

<u>EU(s)</u>	<u>Description</u>	<u>DSCFM</u>	<u>Pollutant</u>	<u>Tons/ Yr</u>	<u>Emission Limitation</u>
010	Cement Materials Transfer and Packing	7,900	PM	8.9	0.03 grains/dscf
029	Cement Materials Loading into Ships	--	PM	--	0.03 grains/dscf

7. The permittee shall not cause, permit, or allow any visible emissions (five percent opacity) from each baghouse/dust collector exhaust, shiphold, silo, or any other activity at the facility. [Rule 62-296.711(2)(a), F.A.C. and Chapter 1-3.52, Rules of the EPC]
8. In order to ensure compliance with Specific Condition Nos. 6 and 7, the following restrictions and limitations shall apply facility-wide per twelve consecutive month period: [Rule 62-4.070(3), F.A.C. and Permit No. 0570031-013-AC]
 - A) The maximum throughput shall not exceed 600,000 tons of cement materials*.
 - B) The hours of operation for the ship loading operation shall not exceed 4,000 hours.
 - C) The hours of operation for the cement materials packaging operation are not limited.
 - D) The dust collectors controlling the sources under this permit shall be kept in good repair.

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Cemex Cement of Louisiana, Inc.

Permit/Certification No.: 0570031-017-AC
Project: Ship Loading

SPECIFIC CONDITIONS:

* For the purpose of this permit, cement materials shall be defined as Type I cement, Type II cement, and blended cement products that consist of a combination of one or more of the following: ground granulated blast furnace slag, flyash, silica, calcined clay, other pozzolans, and hydrated lime.

8. In order to ensure compliance with Specific Condition Nos. 6 and 7, the following restrictions and limitations shall apply per twelve consecutive month period.: [Rule 62-4.070(3), F.A.C. and Permit Nos. 0570031-001-AC, 0570031-011-AC, and 0570031-013-AC]

- A) The maximum transfer rate into ships, whether material is transferred to the ship from silos or from trucks, shall not exceed 300 tons per hour.
- B) The ship loading operation shall only occur on ships that are equipped with a baghouse system.
- C) During the truck loading operation, the permittee shall ensure that the ship's onboard baghouse system will have the capability to handle the volume of air displaced from all the trucks that will simultaneously load into a ship.
- D) The maximum packing rate of the cement packer shall not exceed 65 tons per hour.
- E) Particulate matter emissions from each operation shall be vented to the corresponding baghouse/dust collector(s) as designated in Specific Condition No. 6. The baghouse/dust collector shall be operating while each corresponding operation is occurring.
- F) All silo loading activities shall be accomplished using pneumatic transfer systems.

9. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include, but not be limited to, the following: [Rules 62-296.320(4)(c) and 62-4.070(3), F.A.C.]

- A) Paving and maintenance of roads, parking areas, and yards
- B) Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing
- C) Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities
- D) Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne
- E) Landscaping or planting of vegetation
- F) Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter. Confining abrasive blasting where possible
- G) Enclosure or covering of conveyor systems
- H) Limit vehicular traffic to 10 MPH

10. Each baghouse/dust collector permanently located at the facility shall have a device installed

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capable of monitoring the pressure drop in inches of water across the control device. These devices shall be maintained in working order. [Rules 62-4.070(3) and 62-297.310(5)(b), F.A.C.]

11. The permittee shall not allow any person to circumvent any pollution control device nor allow the emissions of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]

12. In order to demonstrate compliance with Specific Condition Nos. 6, 7, and 8 the permittee shall maintain records for the most recent three year period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but not limited to, the following: [Rule 62-4.160(14), F.A.C.]

- A) Month, Year
- B) Amount of cement materials unloaded from ships, railcars, or trucks (tons)
- C) Amount of cement materials loaded into trucks or ships (tons)
- D) Amount of cement materials packed into bags (tons)
- E) Hours of operation for each emission unit
- F) Rolling twelve month total of B) through E) above (tons or hours)

13. Test each of the following ship loading scenarios for opacity (baghouse/dust collector exhaust and shiphold) upon the first instance of material loadout to the ship using each loading scenario, and annually thereafter. The EPA Method 9 test observation period on these sources shall be at least thirty (30) minutes in duration. Two copies of the test data shall be submitted to the Air Management Division of the Environmental Protection Commission of Hillsborough County within 45 days of testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. [Rules 62-297.310, F.A.C. and 62-4.070(3), F.A.C.]

- A) Ship loading from silos (EU Nos. 010 and 029)
- B) Ship loading from trucks (EU No. 029)
- C) The maximum number of trucks that can simultaneously offload cement materials into a ship shall be established during the initial visible emissions test for ship loading from trucks (EU No. 029). This number can be increased, not to exceed sixteen (16) trucks, by conducting a new visible emissions test that demonstrates compliance with the 5% opacity standard.
- D) In order to verify 100% capture for the shiphold, perform a Method 22 test on the shiphold, each time the ship is loaded at the facility.

14. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of the rated capacity of loading 300 tons/hour of cement materials into ships. If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC.

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Failure to submit the ship's baghouse system flowrate, the throughput loading rates, the number of trucks loading the ship, and actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310(2)(b), F.A.C.]

15. Compliance with the emission limitations of Specific Condition Nos. 6 and 7 shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A. [Rule 62-297.310, F.A.C.]

16. The permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County 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. [Rule 62-297.310(7)(a)9., F.A.C.]

17. The maximum allowable emission rate for particulate matter for this source is set by Specific Condition No. 6. Because of the expense and complexity of conducting a stack test on minor sources of particulate matter, the Environmental Protection Commission of Hillsborough County pursuant to the authority granted under Rule 62-297.620(4), F.A.C. hereby allows the particulate testing to be waived in lieu of a visible emissions test not to exceed 5% opacity. [62-297.620(4), F.A.C.]

18. When the Environmental Protection Commission of Hillsborough County (EPC) after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Rules 62-204, 62-210, 62-212, 62-296, or 62-297, F.A.C., or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the source to conduct compliance tests with the particulate emission standards which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the EPC. [Rule 62-297.310(7)(b), F.A.C.]

19. The permittee shall provide timely notification to the Environmental Protection Commission of Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200 - Modification, F.A.C. The changes do not include normal maintenance, but may include, and are not limited to, the following, and may also require prior authorization before implementation: [Rules 62-210.300 and 62-4.070(3), F.A.C.]

- A) Alteration or replacement of any equipment or major component of such equipment.
- B) Installation or addition of any equipment which is a source of air pollution.

20. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Air Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

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Cemex Cement of Louisiana, Inc.

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21. Submit to the Environmental Protection Commission of Hillsborough County each calendar year on or before April 1, completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year. [Rule 62-210.370(3), F.A.C.]

22. A minimum of two copies of an air operating permit application shall be submitted to the Environmental Protection Commission of Hillsborough County within 60 days of completion of the first ship loading compliance test, whether testing is performed when loading ships by truck or silos, or at least 90 days prior to the expiration date of this permit, whichever occurs first. [Rules 62-4.050(2) and 62-4.090, F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

P.E. Certification Statement

Permittee:
Cemex Cement of Louisiana, Inc.
Tampa, Florida

DRAFT Permit No.: 0570031-017-AC
Facility ID No.: 0570031

Project Type: Air Construction

I HEREBY CERTIFY that the engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).

(Seal)

Diana M. Lee, P.E.

Date

Permitting Authority:
Environmental Protection Commission
of Hillsborough County
Air Management Division
3629 Queen Palm Dr
Tampa, FL 33619
Telephone: (813) 627-2600
Fax: (813) 627-2660