



Comments received from Holcim via e-mail on September 10, 2012:

- Page 2 of 7, 1st paragraph, 1st sentence – typo, “Cement material can also loaded directly...” should be reworded to “Cement material can also be loaded directly...”
- Page 5 of 7, condition #13.A) “Day, Month” should be reworded “Month, Year”. Throughputs and hours of operation are required on a rolling 12-month basis.
- Page 5 of 7, condition #13.G) specifies “...B) through F) above (tons)” however F) is in hours. Therefore the condition should read “...B) through F) above (tons or hours)” or “...B) through E) above (tons)”.

EPC Response: The corrections are being made, as requested. In response to the third comment, Specific Condition 13.G) will read “...B) through F) above (tons or hours)”

Based on our review, we recommend issuance of the revised operating permit, as drafted.

SRH: 0570031-015-AO

ENVIRONMENTAL PROTECTION COMMISSION OF  
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL

Mr. Chris Grooms  
Terminal Manager  
Holcim (US), Inc.  
3417 Port Sutton Rd.  
Tampa, FL 33619

File No.: 0570031-015-AO  
County: Hillsborough

Enclosed is renewal Permit Number 0570031-015-AO to operate a cement material handling facility, issued pursuant to Section 403.087, Florida Statutes. Please read this new permit thoroughly as there are changes from the previous permit.

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 Dr., 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 receipt of this permit. 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 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 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. 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 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.

Holcim (US), Inc.  
Tampa, FL 33619

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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 Dr., 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

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Richard D. Garrity, Ph.D.  
Executive Director

RDG/SRH/srh

cc: Florida Dept. of Environmental Protection – via e-mail  
Chris Grooms – Holcim (US), Inc.  
Emily Cerveira – Holcim (US), Inc.

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE 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 clerk, receipt of which is hereby acknowledged.

\_\_\_\_\_  
Clerk

\_\_\_\_\_  
Date

PERMITTEE:  
Holcim (US), Inc.  
3417 Port Sutton Road  
Tampa, FL 33619

PERMIT/CERTIFICATION  
Permit No: 0570031-015-AO  
County: Hillsborough  
Expiration Date: August 31, 2017  
Project: Cement Materials Distribution Terminal

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 of hereof and specifically described as follows:

This permit authorizes the operation of a cement material handling operation. Cement materials are received by ship, railcar, or truck and pneumatically loaded into storage silos. From the storage silos, cement materials are either packaged into bags via rotary packer or loaded into trucks for shipment off-site. This facility handles cement materials exclusively.

Cement materials are pneumatically unloaded from enclosed ships into eleven (11) storage silos (8 main silos and 3 interstitial silos) using up to four pneumatic transfer lines, valves, and the ships' onboard pneumatic pumps. Cement materials are also received by railcar, which is the facility's primary mode of receipt. The railcar unloading system uses a boot and steel grate as a receiving chute and an underground receiving hopper to allow unloading by gravity. A Martin Bootlift system is used to control particulate matter emissions from the railcar and hopper during unloading. The bootlift has a foam gasket that contacts the bottom of the railcar as it extends upward. The unloading operation is assisted by a portable railcar shaker that vibrates the railcar to ensure all of the material is discharged to the receiving hopper. Typically, the facility only unloads one railcar at a time. From the receiving hopper, the cement is screw conveyed to a blower located inside the building which pneumatically transfers the cement into the storage silos.

Additionally, trucks can pneumatically unload cement materials directly into Silo Nos. 6 and 8 via fill pipe; however, this operation takes place infrequently. Furthermore, the facility does not have the capability of loading materials into railcars or ships. The facility is also not capable of conducting silo to silo material transfer operations.

When cement is ready to be package into bags, the cement material is pneumatically transferred from Silo No. 10 using a screw conveyor and three bucket elevators. From the elevators, material passes through a shaker screen to remove debris. After the shaker screen, an enclosed airslide transfers the product to the automated packing machine, the Haver Roto Packer, Model 8(6) RSE-U, which packages the cement into bags. Once the cement material is packaged, the sealed bags are conveyed and stacked onto pallets (via palletizer) and stored in a warehouse.

Cement material can also be loaded directly from the storage silos into trucks for shipment off-site. There are two truck loading bays; the north loading bay with two loading spouts, one each under Silo Nos. 2 and 3, and the south loading bay with two loading spouts, one each under Silo Nos. 6 and 7. Only one loading spout per truck loading bay can be used at a time. The loading spout under Silo No. 2 can load out from Silo Nos. 1 and 2. The loading spout under Silo No. 3 can load out from Silo Nos. 3 and 4. The loading spout under Silo No. 6 can load out from Silo Nos. 5, 6, and 9. The loading spout under Silo No. 7 can load out from Silo Nos. 7, 8, and 11. Material cannot be loaded into trucks from Silo No. 10, as it is dedicated to feeding the rotary packer. The truck loading area is partially enclosed.

Particulate matter emissions from the five (5) emission units at the facility are controlled through the use of three (3) baghouses for the silo loading, railcar unloading, and packing operations, and four (4) built-in dust collectors, one in each of the truck loading spouts. Particulate matter emissions from the ship unloading and silo loading operations are controlled by a Mikro Pulsaire, Model 168S-10-TR, 12,500 DSCFM baghouse and a Mikro Pulsaire, Model 168S-10-TR, 13,000 DSCFM baghouse. The 12,500 DSCFM baghouse is located on top of Silo No. 1 and the 13,000 DSCFM baghouse is located on top of Silo No. 8. The baghouse on top of Silo No. 1 only operates during ship unloading, and the baghouse on top of Silo No. 8 operates during ship, railcar, and truck unloading. Particulate matter emissions from railcar unloading operation and rotary packer are controlled by a Mikro-Pulsaire, Model 1-F-1, 7400 DSCFM baghouse designated by Holcim as 10-K. The particulate matter collected from the 10-K baghouse is returned to the silos via two return elevators. In addition, each truck loading spout has an identical DCL, Model CFM330-114/EF1500, Series UN800, 1,500 DSCFM pulse jet dust collector to control particulate matter emissions from the truck loading operations.

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.

Emission Unit Nos.: 006 – North Truck Loading Bay  
007 – South Truck Loading Bay  
010 – Cement Packing Station No. 10, Designated as 10-K  
019 – Railcar Unloading  
024 – Cement Unloading into Silo Nos. 1-11

Location: 3417 Port Sutton Road, Tampa, FL 33619

UTM: 17-359.5 E 3087.3 N NEDS NO: 0031

Replaces Permit No.: 0570031-014-AO

References Permit Nos.: 0570031-001-AC, 0570031-011-AC, and 0570031-013-AC

PERMITTEE:  
Holcim (US), Inc.

PERMIT/CERTIFICATION NO.: 0570031-015-AO  
PROJECT: Cement Materials Distribution Terminal

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 emissions and visible emissions for each emission unit shall not exceed the following limitations: [Rule 62-296.711(2), F.A.C., Chapter 1-3.52, Rules of the EPC, and Permit Nos. 0570031-011-AC and 0570031-013-AC]

<u>EU(s)</u>	<u>Description</u>	<u>DSCFM</u>	<u>Pollutant</u>	<u>tons/yr</u>	<u>Emission Limitation</u>
006	North Truck Loading Bay (2 spouts designated as DC1 and DC2)	1,500 each	PM	1.7	0.03 grains/dscf
			VE		≤ 5% opacity
007	South Truck Loading Bay (2 spouts designated as DC3 and DC 4)	1,500 each	PM	1.7	0.03 grains/dscf
			VE		≤ 5% opacity
010, 019	Cement Packing and Railcar Unloading (DC 5)	7,400	PM	8.3	0.03 grains/dscf
			VE		≤ 5% opacity
024	Cement Unloading into Silo Nos. 1-11				
Ship Unloading	Mikro Pulsaire on top of Silo No. 1 (DC 6)	12,500	PM	14.1	0.03 grains/dscf
			VE		≤ 5% opacity
Ship, Railcar, and Truck Unloading	Mikro Pulsaire on top of Silo No. 8 (DC 7)	13,000	PM	14.6	0.03 grains/dscf
			VE		≤ 5% opacity

\* The potential emissions from the baghouses are based on 0.03 grains per dry standard cubic foot and the baghouse flow rate. The emissions from the truck loading bays are based on one truck loading spout operating at a time.

PERMITTEE:  
Holcim (US), Inc.

PERMIT/CERTIFICATION NO.: 0570031-015-AO  
PROJECT: Cement Materials Distribution Terminal

SPECIFIC CONDITIONS:

7. In order to ensure compliance with Specific Condition No. 6, 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) Maximum potential particulate matter emissions shall not exceed 40.4 tons per year.
- B) No more than 600,000 tons of cement materials\* shall be transferred through the facility.
- C) Only one truck loading spout per loading bay shall be in operation at a time.
- D) The dust collectors controlling the sources under this permit shall be kept in good repair.

\* 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 loading rate of each truck loading spout shall not exceed 300 tons per hour.
- B) The maximum railcar unloading rate shall not exceed 125 tons per hour.
- C) The maximum packing rate of the cement packer shall not exceed 65 tons per hour.
- D) The maximum ship unloading rate shall not exceed 600 tons per hour.
- E) The maximum ship unloading pressure shall not exceed 25 psig.
- F) Only totally enclosed trucks shall be used to receive bulk delivery. There shall be no open transfer points and/or open bed trucks.
- G) Particulate matter emissions from each operation shall be vented to the corresponding dust collector(s) as designated in Specific Condition No. 6. The dust collector shall be operating while each corresponding operation is occurring.
- H) When unloading railcars, the Martin bootlift shall be in place and shall form a tight seal to prevent fugitive emissions.
- I) Check the Martin bootlift for damage and proper operation prior to each use.
- J) 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.

PERMITTEE:  
Holcim (US), Inc.

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PROJECT: Cement Materials Distribution Terminal

SPECIFIC CONDITIONS:

- 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.
- G) Confining abrasive blasting where possible.
- H) Enclosure or covering of conveyor systems.
- I) Limit vehicular traffic to 10 MPH.

10. Each baghouse shall have a device installed 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. The permittee shall monitor, maintain, and operate the pollution control equipment in accordance with the Operation and Maintenance Plan (O&M Plan) attached to this permit. [Rules 62-296.700(6) and 62-4.070(3), F.A.C.]

13. 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 unloaded from ships (tons)
- C) Amount of cement unloaded from railcars (tons)
- D) Amount of cement loaded into trucks (tons)
- E) Amount of cement packed into bags (tons)
- F) Hours of operation for each baghouse
- G) Rolling twelve month total of B) through F) above (tons or hours)
- H) Records of control equipment operating parameters as detailed in the Operation and Maintenance Plan (O&M) in Attachment A of this permit

PERMITTEE:  
Holcim (US), Inc.

PERMIT/CERTIFICATION NO.: 0570031-015-AO  
PROJECT: Cement Materials Distribution Terminal

SPECIFIC CONDITIONS:

14. Test the following emission points for opacity annually, once per calendar year (January 1 through December 31) at the point of highest opacity. 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) The truck loading operations at the north and south loading bays. The tests shall be conducted at the point of highest opacity.
- B) The Mikro Pulsaire, Model 168S-10-TR, baghouse located on top of Silo No. 1 during ship unloading operations. The test report shall include the ship unloading pressure.
- C) The Mikro Pulsaire, Model 168S-10-TR, baghouse located on top of Silo No. 8 during ship unloading operations. If a ship is not scheduled during a given year, a test may be conducted during railcar unloading for that year. The test report shall include the unloading pressure.
- D) The cement packer baghouse while the packer is actively packing bags. The test report shall include the number of bags packed simultaneously.
- E) The railcar unloading into the receiving hopper.

15. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of the rated capacity listed in Specific Condition Nos. 8.A) through 8.D). 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. Failure to submit the input rates and actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310(2)(b), F.A.C.]

16. Compliance with the emission limitations of Specific Condition No. 6 shall be determined using EPA Methods 1, 2, 4, 5 and 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.

17. 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.]

18. 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.

PERMITTEE:  
Holcim (US), Inc.

PERMIT/CERTIFICATION NO.: 0570031-015-AO  
PROJECT: Cement Materials Distribution Terminal

SPECIFIC CONDITIONS:

19. 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.]

20. 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.

21. 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.]

22. 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.]

23. Prior to sixty days before the expiration of this operating permit, the permittee shall apply for a renewal of the permit using the current version of the permit renewal application form. A renewal application shall be timely and sufficient. If the application is submitted prior to sixty days before the expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the EPC or, if there is court review of the final agency action, until a later date is required by Section 120.60, Florida Statutes. [Rule 62-4.090, F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY

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Richard D. Garrity, Ph.D.  
Executive Director

**Attachment A**  
**Holcim (US), Inc.**

**Facility Operation and Maintenance Plan**

## A. Process Parameters

### Emission Unit Nos. 006 and 007 – North and South Truck Loading Bays

1. Source Designators: North and South Truck Loading Bays, four identical DCL Pulse Jet UN800 Series Dust Collectors
2. Baghouse Manufacturer: DCL
3. Model Name and Number: CFM330-114/EF1500
4. Design Flow Rate: 1,500 DSCFM each
5. Efficiency Rating at Design Capacity: 99.9%
6. Pressure Drop: 0 - 6 in. H<sub>2</sub>O
7. Air to Cloth Ratio: 4.45:1
8. Number of Filters: 7
9. Filter Material: Polyester felt filtering media
10. Bag Cleaning Conditions: Pulse 70 psi compressed air, adjustable cleaning cycle timer
11. Gas Temperatures: Ambient
12. Stack Height Above Ground: 19 feet
13. Inlet Diameter: 14 in.
14. Outlet Diameter: 16 in.
15. Water Vapor Content: ambient
16. Process Controlled by Collection System: Bulk Cement Truck Loading Stations
17. Maximum Operation Schedule: 24 hrs/day; 7 days/wk; 52 wks/yr.

The following observations, checks and operations apply to this source and shall be conducted on the schedule specified and recorded accordingly:

#### Daily (during operation)

1. Observe stack (visual).
2. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
3. Note any unusual occurrence in the process being ventilated.
4. Observe all indicators on control panel.
5. Assure that dust is being removed from system.

#### Weekly (during operation)

1. Check and record pressure drop.
2. Check bag cleaning sequence to see that all valves are opening and closing properly.
3. Check and record compressed air cleaning pressure.
4. Check compressed air lines and associated equipment.

#### Quarterly

1. Check cleaning mechanism moving parts.
2. Verify cleaning system timer is set properly.
3. Inspect fans for corrosion and material build-up.
4. Check all drive belts and chains for wear and tension.
5. Check all hoses and clamps.
6. Check accuracy of all indicating equipment.

7. Inspect housing for corrosion.
8. Thoroughly inspect filters, which includes checking for pinholes, and replace as necessary.
9. Check duct(s) for material build-up.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect and lubricate all moving parts.
4. Inspect exhaust fan for wear or damage.
5. Inspect all filters and replace as necessary.
6. Internally inspect baghouse for wear or material build-up.
7. Ensure a sufficient supply of spare bags and parts are on-site, and order more if necessary.
8. Inspect power supply and all piping and tubing for damage.
9. Inspect all hose clamps and fittings for rust, corrosion, wear, or damage.

Emission Unit No. 024 – Silo Loading into Silo Nos. 1-11

1. Source Designator: Ship Unloading and Silo Loading, Two Mikro-Pulsaire baghouses, one located on top of Silo No. 1 and one located on top of Silo No. 8
2. Baghouse Manufacturer: Mikro-Pulsaire
3. Model Name and Number: 168S-10-TR
4. Design Flow Rate: 12,500 and 13,000 DSCFM
5. Efficiency Rating at Design Capacity: 99.9%
6. Pressure Drop: 0 – 6 inches of water
7. Air to Cloth Ratio: 6.3:1 and 6.6:1
8. Bag Weave: Grid supported felt, scrim ribbon
9. Bag Material: 16 oz. silicone coated Polyester felt
10. Bag Cleaning Conditions: Pulse, 90 psi compressed air, adjustable cleaning cycle timer
11. Gas Temperatures: Ambient
12. Stack Height Above Ground: 145 ft.
13. Exit Diameter: 2' 6" x 1' 8" square and 2.3'
14. Water Vapor Content: Ambient
15. Process Controlled by Collection System: Pneumatic filling of silos.
16. Operation Schedule: 8,760 hrs/yr; the baghouse on top of Silo No. 1 only operates during ship unloading.

The following observations, checks and operations apply to this source and shall be conducted on the schedule specified and recorded accordingly:

Daily (during operation)

1. Observe stack (visual).
2. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
3. Note any unusual occurrence in the process being ventilated.
4. Observe all indicators on control panel.
5. Assure that dust is being removed from system.

Weekly (during operation)

1. Check and record pressure drop.
2. Inspect bearings and moving parts for proper lubrication.
3. Check packing glands.
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Check and record compressed air cleaning pressure.
6. Check compressed air lines and associated equipment.

Quarterly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Verify cleaning system timer is set properly.
4. Check all drive belts and chains for wear and tension.
5. Check all hoses and clamps.
6. Check accuracy of all indicating equipment.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect and lubricate all moving parts.
4. Inspect exhaust fan for wear or damage.
5. Inspect all filters and replace as necessary.
6. Internally inspect baghouse for wear or material build-up.
7. Ensure a sufficient supply of spare bags and parts are on-site, and order more if necessary.
8. Inspect power supply and all piping and tubing for damage.
9. Inspect all hose clamps and fittings for rust, corrosion, wear, or damage.
10. Check ducts for material build-up.

Emission Unit Nos. 010 and 019 – Cement Packing Station and Railcar Unloading

1. Source Designators: Haver Roto Packer 8(6) RSE-U Cement Packer and Railcar Unloading, controlled by one Mikro-Pulsaire baghouse.
2. Baghouse Manufacturer: Mikro-Pulsaire
3. Model Name and Number: 1-F-1
4. Design Flow Rate: 7,400 DSCFM
5. Efficiency Rating at Design Capacity: 99.9%
6. Pressure Drop: 0-6 inches water
7. Air to Cloth Ratio: 10.9:1
8. Bag Weave: 24 x 6 Weave, Scrim-ribbon, Grids Supported Felt
9. Bag Material: Glazed Polypropylene
10. Bag Cleaning Conditions, Pulse Air Pressure: 80-100 psi
11. Gas Temperatures: Ambient
12. Stack Height Above Ground: 66 feet
13. Exit Diameter: 1.5 feet
15. Water Vapor Content: Ambient
16. Process Controlled by Collection System: Cement Packing into Bags and Railcar

## Unloading

17. Maximum Operation Schedule: 24 hrs/day; 7 days/wk.; 52 wks/yr

The following observations, checks and operations apply to this source and shall be conducted on the schedule specified and recorded accordingly:

### Daily (during operation)

1. Observe stack (visual).
2. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
3. Note any unusual occurrence in the process being ventilated.
4. Observe all indicators on control panel.
5. Assure that dust is being removed from system.

### Weekly (during operation)

1. Check and record pressure drop.
2. Inspect bearings and moving parts for proper lubrication.
3. Check packing glands.
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Check and record compressed air cleaning pressure.
6. Check compressed air lines and associated equipment.

### Quarterly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Verify cleaning system timer is set properly.
4. Check all drive belts and chains for wear and tension.
5. Check all hoses and clamps.
6. Check accuracy of all indicating equipment.

### Annually

1. Check all bolts.
2. Check welds.
3. Inspect and lubricate all moving parts.
4. Inspect exhaust fan for wear or damage.
5. Inspect all filters and replace as necessary.
6. Internally inspect baghouse for wear or material build-up.
7. Ensure a sufficient supply of spare bags and parts are on-site, and order more if necessary.
8. Inspect power supply and all piping and tubing for damage.
9. Inspect all hose clamps and fittings for rust, corrosion, wear, or damage.
10. Check ducts for material build-up.

## **B. Records**

Records of inspections, maintenance, and performance parameters shall be developed and include a date and time of inspection and/or maintenance performed. The records are to be retained for a minimum of two years and shall be made available to the Environmental Protection Commission of Hillsborough County upon request.