Federal Operating Permit

Permit No.: **223900003**

Company: **CalPortland Company**

Facility: **CalPortland - Oro Grande**

Issue date: **January 8, 2016**

Expiration date: **January 8, 2021**

Mojave Desert Air Quality Management District

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Signed and issued by
Brad Poiriez
Executive Director/
Air Pollution Control Officer

PERMIT REVISIONS

October 8, 2020, Significant Permit Modification described as follows;
The Mojave Desert Air Quality Management District (MDAQMD or District) received an application on July 25, 2019 (addendum August 28, 2019; 2nd addendum April 27, 2020) for the construction of the following at the CalPortland Oro Grande Facility;

1. A new coke fuel handling system, including three baghouses, conveyors, hoppers, and a silo. Coke will be stored in the existing coal material storage building.
2. An alternate fuels handling system, including five baghouses, conveyors, and hoppers. The facility has proposed for use as alternate fuel in the kiln the following; whole tires, chipped tires, biomass fuels (including but not limited to construction and demolition wood, as well as pistachio shells, almond shells and yard clippings), paper cardboard, engineered fuel, biosolids, and dust collector bags generated on-site as alternative fuels.
3. A portable limestone crushing operation, including two crushers, conveyors, a screen, and two stockpiles. This equipment will be used in the quarry area.
4. One portable Tier 4F diesel electrical generator to be used to power the portable limestone crushing operation.
5. Replacement of three baghouses associated with cement storage silos, associated with process group 611 in the Title V permit.
6. A new portable additive crushing/screening operation.
7. Four new cement storage silos, one cement storage dome, one truck loadout station, and ten associated baghouses.
8. Modify the FOP and District PTO T007433 to include the addition of one new additive storage bin and two new baghouses at finish mill no. 2.
9. Modify the FOP and District PTOs C013011 and T013016 to reflect changes in process flow design.

The application for construction was accompanied by an application for Significant Modification to CalPortland's FOP.

Additionally, CalPortland has accepted a baghouse grain loading limit to reflect an agreed upon emission rate of 0.01 gr/dscf to the following units; C001742, C001770, C000160, C000162, C001776, C001771 (621BF007), C001772 (621BF009), and C001775 (621BF008).

The analysis for the addition of new equipment and/or modification of existing equipment is included in the Statement of Basis dated October 8, 2020.

Updates by C. Anderson

June 21, 2019, Administrative Permit Modification described as follows;
Revised equipment details as described below:
Changed horsepower rating for cyclone fan 321FN101 (Permit no. B007439) from 2500 to 3000 (Title V Permit, Page III-43).

Additionally, three typographical errors were discovered and corrected in the Title V Permit on

pages II-22, III-32, and III-112.

Changes made by S. Lopez

<u>July 16, 2018, Significant Permit Modification described as follows;</u>
The Mojave Desert Air Quality Management District (MDAQMD or District) received an application for proposed modification to the already permitted, but yet to be constructed, Finish Mill No. 2, including application for Significant Modification to CalPortland FOP, on October 31, 2017. Finish Mill No 2 is part of the ongoing plant modernization project (1999). The proposed project consists of:

- Revision to existing permits B007466 (Finish Mill No. 2) and T007433 (Finish Mill No. 2 Storage and Feed Bins) to incorporate current design specifications.
- Addition of a new additive conveying system and associated emission controls which will deliver materials to Finish Mill No. 2.
- Replace existing Clinker Conveying System Baghouse, permit C001708, with one new baghouse of similar size.
- Addition of one new truck loadout system and associated emission controls.
- Use of Simultaneous Emission Reductions as offsets

The District has prepared a Statement of Legal and Factual Basis (SLFB) for the Finish Mill No. 2 Modification dated July 16, 2018. Please see the SLFB for further details pertaining to the project update as well as for the District's review of the Finish Mill No. 2 project.

<u>Significant Permit Modification described as follows;</u>
The Mojave Desert Air Quality Management District (MDAQMD or District) received an application for the proposed "Cardinal Scale" Truck Loadout Project (August 15, 2017). The project consists of;

- Installation of an additional cement truck loadout point ("Cardinal Scale" Loadout) adjacent to existing cement truck loadout point, Loading Station 4 (District Permit B000161).

Additionally, the District received a request to change the frequency of the kiln and finish mill baghouse bag and suspension system inspection from quarterly to annually as fulfilling this requirement quarterly can be a burden on facility operations. The following is the list of District Permit Units affected by this frequency change;

FOP Condition No.	Equipment ID (Baghouse District Permit No./ Process District Permit No.)
III.33.3.c	341BF102 (C007488/B007445)
III.33.3.c	341BF103 (C007463/B007445)
III.33.3.c	341BF104 (C007487/B007455)
III.33.3.c	351BF510 (C007494/B007445)
III.47.3.c	441BF550 (C007412/B007435)
III.43.3.c	411BF201 (C012148/T012146)
III.57.3.c	511BF101 (C007415/B007457)
III.75.3.c	531BF102 (C007474/B007471)

III.75.3.c	531BF103 (C007510/B007471)
III.75.3.c	531BF104 (C007469/B007471)
III.75.3.c	531BF200 (C007468/B007471)
III.75.3.c	531BF300 (C007475/B007471)

Please see District Cardinal Scale Project PDOC (PDOC, January 19, 2018) document for complete details and analysis for the proposed Cardinal Scale Project and the Districts determination for the proposed baghouse monitoring relaxation. The PDOC includes the Statement of Basis for the terms and conditions relating to this FOP.

Significant Permit Modification described as follows;
A permit application was received for revision to FOP, to include modifications to primary/secondary crushing. See Part III.A.1, III.A.2, III.A.3, III.A.4. For a complete project analysis, please see the Districts Preliminary Determination/Decision - Statement of Basis for modification to Primary/Secondary Crushing System, dated October 3, 2017.

In addition, minor formatting changes were made to improve program consistency.

10/25/2017; Added dust collector District permit numbers to condition Part III.A.1.7 for clarity and updated motor hp of primary crusher District Permit B000137.

Changes made by C. Anderson

Significant Permit Modification described as follows:
District Permits B007435 and C007411- removal of the requirement for a Continuous Opacity Monitoring System (COMS) by subsuming the District Rule 401 opacity requirements with the requirement for a Continuous Parametric Monitoring System (CPMS) system. This proposal is a streamlining demonstration of monitoring requirements and includes no physical or operational changes, nor any emission changes, as a result of this modification. Modify Conditions III.45.5, III.45.6, III.45.12, and III.46.3, as appropriate. For a complete project analysis, see the Preliminary Determination/SLFB (5/16/2017). No comments were received on the Preliminary Determination/SLFB.

In addition to the above, the facility identified several minor corrections to equipment description and rating to Bulk Cement Dome and Truck Load System- MDAQMD Permit # B007483; FOP Condition III.101 and Bulk Rail Cement Loadout System MDAQMD Permit # B007505, FOP Condition III.107. These equipment description updates are included in this modification.

Changes made by C. Anderson

Minor Permit Modification described as follows:
Update to Condition 3, Kiln and Preheater, Part III.A.45. Condition 3 is being revised to provide consistency with the underlying New Source Review analysis. At the time the NSR permit was originally issued for this equipment (August 5, 1999) the final permit did not accurately reflect the averaging period that was used in developing the emission limits. See, for example, letter

dated August 17, 1999 from E. Kulesza, TXI Riverside Cement. That is, the permit did not specify that the 30-day averaging period should be based on operating days as is typical for this equipment, and consistent with the underlying analysis and other similar requirements in 40 CFR Part 63, Subpart LLL and District Rule 1161- Portland Cement Kilns. For example, Rule 1161 requires emission calculations to be based on the "previous 30 operating day", while Condition 3 required "previous 30 day". To correct this longstanding oversight, CalPortland requested that the term "day" be clarified so that it is consistent with the original intent and revised for consistency with the language in Rule 1161. The District concurs with the request and update and has modified Condition 3 accordingly.

Changes made by C. Anderson

Administrative Permit Amendment described as follows;
Revised equipment details as described below to the following District permits: C007484, C010338, C007501, C007485, and C007500.

- Change from absolute stated filter area to a minimum filter area,
- Use of existing filter area and air to cloth ratio as a minimum, and
- Language added to allow for "equivalent or better" filter media.

Additionally, two typographical errors were discovered and corrected in the equipment identifier to District permits C001714 and C007406.

Changes made by C. Anderson

Administrative Permit Amendment described as follows;
A change in ownership occurred at this company during this Title V Permit renewal. Changes include company name, FOP #, responsible official, and site contact change. These changes occurred during or immediately following public comment period of this FOP renewal.

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PART I
INTRODUCTORY INFORMATION

A. FACILITY IDENDIFYING INFORMATION:

Owner/Company Name:	CalPortland Company
Facility Name:	CalPortland – Oro Grande
Facility Location:	19409 National Trails Hwy, Oro Grande, CA 92368
Mailing Address:	P.O. Box 146, Oro Grande, CA 92368
Federal Operating Permit Number:	223900003
MDAQMD Company Number:	2239
MDAQMD Facility Number:	3
Responsible Official:	Mr. Richard P. Walters Jr. Plant Manager (760) 269-1183
Facility "Site" Contact(s):	Ms. ~~Jessica Gammett~~Catalina Fernandez-Moores Environmental Manger (760) 269-1135 cfernandez~~jgammett~~@calportland.com
	M~~r~~s. Desirea Haggard Environmental Manager (760) 269-1135 dhaggard@calportland.com
Nature of Business:	Portland Cement Manufacturing
SIC/NAICS Code:	3241/327310 - Cement Manufacturing
Facility Coordinates	UTM (km) 469E/3828N

B. DESCRIPTION OF FACILITY & PROCESSES:

CalPortland Company– Oro Grande is a modernized operation consisting of a Pre-heater/Pre-calciner cement kiln which processes limestone quarried at the location and other raw materials. The kiln produces Portland cement clinker from the raw materials. The clinker is ground with gypsum and other additives to produce Portland cement which is distributed from the site via truck and rail.

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*]

2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
[Rule 203 - *Permit to Operate*]

3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*]

4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*]

5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*]

6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*]

7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*]

8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling And Testing Facilities*]

9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[Rule 219 - *Equipment Not Requiring*]

10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*]

11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*]

12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits*]

13. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:

(a) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.

(b) While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, <u>is</u> required to validate compliance with Rule 401 Visible Emissions limit as indicated below:

(i). Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.

(ii). Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.

(iii). Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.

(iv). On any of the above, if a visible emissions inspection documents opacity, an U.S. Environmental Protection Agency (EPA) Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame.

[Rule 204 - *Permit Conditions*]
[Rule 401 - *Visible Emissions*]

14. Owner/Operator is limited to use of the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent.
[*40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements*]
[Rule 431 - *Sulfur Content of Fuels*]

15. Emissions of fugitive dust from any transport, handling, construction, or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.
[Rule 403 - *Fugitive Dust*]

16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM_{10} Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.
[Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area*]

17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
    (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
    (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
    (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
    [Rule 404 - *Particulate Matter Concentration*]

18. Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
    (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
    (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
    [Rule 405 - *Solid Particulate Matter, Weight*]

19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO_2), greater than or equal to 500 ppm by volume.
[Rule 406 - *Specific Contaminants*]

20. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
    (a) The provisions of this condition shall not apply to emissions from internal combustion engines.
    [Rule 407 - *Liquid and Gaseous Air Contaminants*]

21. Owner/Operator shall not build, erect, install, or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission that would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
    (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.

[Rule 408 - *Circumvention*]

22. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO_2) at standard conditions averaged over a minimum of 25 consecutive minutes.
[Rule 409 - *Combustion Contaminants*]

23. APCO, at his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment that has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
    (a) Any breakdown that results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
    (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
    (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
    (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V – *Procedures Before the Hearing Board*.
    (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the APCO.

[Rule 430 - *Breakdown Provisions*]

24. The provisions of Regulation IV - *Prohibitions* except Rule 402 shall not apply to experimental research operations when the following requirements are met:
    (a) The purpose of the operation is to permit investigation, experiment, or research to advance the state of knowledge or the state of the art; and
    (b) The APCO has given written prior approval that shall include limitation of time.

[Rule 441 – *Research Operations; District and State Only*]

25. The owner/operator of this facility shall meet the following emission and operating requirements:
    (a) Shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes subject to District Rule 442, in excess of 540 kilograms (1,190 pounds) per month at this Facility.
        (i) Compliance with the VOC limit above may be obtained through use of any of the following or any combination thereof:
            a. Product reformulation or substitution;
            b. Process changes;
            c. Improvement of operational efficiency;

d. Development of innovative technology;
e. Operation of emission collection and control system that reduces overall emissions by eighty-five percent (85%).

(b) Shall not discharge into the atmosphere a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average. For purposes of VOC quantification, discharge shall include a drying period of 12 hours following the application of such non-VOC solvents.

(c) The provisions of this condition shall not apply to:
(i) The manufacture, transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
(ii) The emissions of VOCs from VOC-containing materials or equipment which are subject to District Regulation IV rules or which are exempt from air pollution control requirements by such rules.
(iii) The use of pesticides including insecticides, rodenticides or herbicides.
(iv) The use of 1,1,1 trichloroethane, methylene chloride and trichlorotrifluroethane.
(v) Aerosol products.
(vi) VOC containing materials or equipment which is not subject to VOC limits of any rule found in District Regulation XI – Source Specific Standards.

(d) Owner/operator shall maintain daily usage records for all VOC-containing materials subject to this condition. The records shall be retained for five years and be made available upon request. VOC records shall include but not be limited to:
(i) The amount, type and VOC content of each solvent used; and
(ii) The method of application and substrate type; and
(iii) The permit units involved in the operation (if any).

(e) Determination of VOC Content in Solvent-containing materials, Presence of VOC in Clean-up Materials, or Determination of Efficiency of Emission Control Systems must be made in accordance with methods and provisions of District Rule 442.

[Rule 442 – *Usage of Solvents]*

26. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered “open outdoor fires” for the purposes of Rule 444 (Rule 444(B)(10)).
[Rule 444 – *Open Outdoor Fires*]

27. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of District Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
(a) All degreasers shall be equipped with a cover that reduces solvent evaporation and minimizes disturbing the vapor zone.
(b) A permanent, conspicuous label summarizing the applicable operating requirements contained in District Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.

(c) Cold Solvent Degreasers - Freeboard Requirements:
- (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
- (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover which remains closed during the cleaning operation.
- (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
- (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than 1.

(d) Cold Solvent Degreasers - Cover Requirements:
- (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type that is designed to easily open and close without disturbing the vapor zone.

(e) Cold Solvent Degreasers - Solvent Level Identification:
- (i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.

(f) All Degreasers shall comply with the following operating requirements:
- (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
- (ii) Degreasers shall not be operating with any detectable solvent leaks.
- (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
- (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; or a federally or state licensed facility to treat, store or dispose of such waste; or the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
- (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
- (vi) Solvent carryout shall be minimized by the following methods:
  - a. Rack workload arranged to promote complete drainage
  - b. Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
  - c. Retain the workload inside of the vapor zone until condensation ceases.
  - d. Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
  - e. Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
- (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or

rope is prohibited.

(viii) Except for sealed chamber degreasers, all solvent agitation shall be by pump recirculation, a mixer, or ultrasonics.

(ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.

(x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.

(xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.

(xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.

(xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.

(g) District Rule 442 Applicability:
Any solvent using operation or facility which is not subject to the source-specific District Rule 1104 shall comply with the provisions of District Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of District Rule 1104 shall be subject to the applicable provisions of District Rule 442.

(h) Solvent Usage Records:
Owner/Operator subject to District Rule 1104 or claiming any exemption under District Rule 1104, Section (E), shall comply with the following requirements:

(i) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:

a. Product name(s) used in the degreaser, and
b. The mix ratio of solvent compounds mixtures of solvents are used, and
c. VOC content of solvent or mixture of compounds as used, and
d. The total volume of the solvent(s) used for the facility, on a monthly basis, and
e. The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.

(ii) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of District Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.

(iii) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.

(iv) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V/Federal Operating Permit.

[Rule 1104 - *Organic Solvent Degreasing Operations]*

28. Owner/Operator's use of Architectural Coatings at this facility shall comply with the requirements of District Rule 1113, including the VOC limits specified in District Rule 1113, part C, as listed below:

Table 1
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

Limits are expressed in grams of VOC per liter[a] of Coating thinned to the manufacturer's maximum recommendation, excluding the volume of any water, Exempt Compounds, or Colorant added to tint bases. "Manufacturer's maximum recommendation" means the maximum recommendation for thinning that is indicated on the label or lid of the Coating container.

Coating Category	**Effective, 01/01/2013**
Primary Coatings	
Flat Coatings	50
Nonflat Coatings	100
Nonflat-High Gloss Coatings	150
Specialty Coatings	
Aluminum Roof Coatings	400
Basement Specialty Coatings	400
Bituminous Roof Coatings	50
Bituminous Roof Primers	350
Bond Breakers	350
Concrete Curing Compounds	350
Concrete/Masonry Sealers	100
Driveway Sealers	50
Dry Fog Coatings	150
Faux Finishing Coatings	350
Fire Resistive Coatings	350
Floor Coatings	100
Form-Release Compounds	250
Graphic Arts Coatings (Sign Paints)	500
High Temperature Coatings	420
Industrial Maintenance Coatings	250
Low Solids Coatings	120[a]
Magnesite Cement Coatings	450
Mastic Texture Coatings	100
Metallic Pigmented Coatings	500
Multi-Color Coatings	250
Pre-Treatment Wash Primers	420
Primers, Sealers, and Undercoaters	100
Reactive Penetrating Sealers	350

Recycled Coatings	250
Roof Coatings	50
Rust Preventative Coatings	250
Shellacs:	
Clear	730
Opaque	550
Specialty Primers, Sealers, and Undercoaters	100
Stains	250
Stone Consolidants	450
Swimming Pool Coatings	340
Traffic Marking Coatings	100
Tub and Tile Refinish Coatings	420
Waterproofing Membranes	250
Wood Coatings	275
Wood Preservatives	350
Zinc-Rich Primers	340
a: Limit is expressed as VOC Actual (G)(1)(a)(ii)	

Table 2
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

Effective January 1, 2013 the coating categories in Table 2 are eliminated and will be subject to the VOC limit of the applicable category in Table 1, except as provided in Section (C)(2), (C)(3), and (C)(5) of District Rule 1113.

Limits are expressed in grams of VOC per liter of Coating thinned to the manufacturer's maximum recommendation, excluding the volume of any water, Exempt Compounds, or Colorant added to tint bases. "Manufacturer's maximum recommendation" means the maximum recommendation for thinning that is indicated on the label or lid of the coating container.

Coating Category	**Effective 02/24/2003**
Antenna Coatings	530
Antifouling Coatings	400
Clear Wood Coatings	
Clear Brushing Lacquers	680
Lacquers (including lacquer sanding sealers)	550
Sanding Sealers (other than lacquer sanding sealers)	350
Varnishes	350
Fire-Retardant Coatings:	
Clear	650
Opaque	350
Flow Coatings	420
Quick-Dry Enamels	250
Quick-Dry Primers, Sealers, and Undercoaters	200

Swimming Pool Repair and Maintenance Coatings	340
Temperature-Indicator Safety Coatings	550
Waterproofing Sealers	250
Waterproofing Concrete/Masonry Sealers	400

[Rule 1113 - *Architectural Coatings*]

29. Owner/Operator's use of *Wood Products Coatings* at this facility shall comply with the applicable requirements of Rule 1114, including the VOC limits specified in Rule 1114, part C, Table of Standards, as listed below:

(1) VOC Content of Coatings & Adhesives

(a) Any Owners and/or Operators of Wood Products Coating Application Operations shall not apply any Coating or Adhesive to a Wood Product which has a VOC Content, including any VOC-containing material added to the original Coating supplied by the manufacturer, which exceeds the applicable limit specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an Overall Control Efficiency of at least 85 percent. Any Coating subject to this rule that meets either of the two VOC Content limit formats (grams per liter or pounds per gallon [lb/gal]) is in compliance with this subsection.

(i) LIMITS
Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)

Coating		On and After 7/1/97		On and After 7/1/2005
		Column I *or* g/L (lb/gal)	Column II g/L (lb/gal)	g/L (lb/gal)
Clear Sealers		550 (4.6)	680 (5.7)	275 (2.3)
Clear Topcoat		550 (4.6)	275 (2.3)	275 (2.3)
Pigmented Primers, Sealers and Undercoats		550 (4.6)	600 (5.0)	275 (2.3)
Pigmented Topcoats		550 (4.6)	275 (2.3)	275 (2.3)

Effective July 1, 1997, a person or facility shall use Coatings on Wood Products that comply with either all VOC Content limits in Column I or all VOC Content limits in Column II. A person or facility that applies a Pigmented Primer, Sealer or Undercoat, but not a Clear Topcoat or Pigmented Topcoat, to a Wood Product shall be subject to column I for that product.

(ii) Notwithstanding the requirements of subsection (C)(1)(a)(i), a person

or facility that applies a topcoat and a primer, sealer or undercoat to a Shutter may, until July 1, 2005, choose to comply with the VOC Content limits specified below for that Shutter:

(c) LIMITS
Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)

Coating	g/L (lb/gal)
Clear Sealers	275 (2.3)
Clear Topcoat	680 (5.7)
Pigmented Primers, Sealers & Undercoats	275 (2.3)
Pigmented Topcoats	600 (5.0)

(d) LIMITS
Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97 g/L (lb/gal)	On and After 7/1/2005 g/L (lb/gal)
Fillers	500 (4.2)	500 (4.2)	275 (2.3)
High-Solid Stains	700 (5.8)	550 (4.6)	350 (2.9)
Inks	500 (4.2)	500 (4.2)	500 (4.2)
Mold-Seal Coatings	750 (6.3)	750 (6.3)	750 (6.3)
Multi-Colored Coatings	685 (5.7)	685 (5.7)	275 (2.3)
Low-Solids Stains, Toners and Washcoats	800 (6.7)	480 (4.0)	120 (1.0)
Adhesives	250 (2.1)	250 (2.1)	250 (2.1)

[Rule 1114 - *Wood Products Coating Operations*]

30. Owner/Operator's use of *Metal Parts and Products Coatings* at this facility shall comply with the applicable requirements of Rule 1115, including the VOC limits specified in Rule 1115, as listed below:

Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-

containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS
(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

Coating	Air Dried		Baked	
	g/L	(lb/gal)	g/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*]

31. Owner/Operator's use of *Automotive Finishing Operations* at this facility shall comply with the applicable requirements of Rule 1116, including the VOC limits specified in Rule 1116, as listed below:

(1) VOC Contents of Coatings

(a) Effective on and after 7/1/2011, a Person shall not apply Coating to a Motor Vehicle, Mobile Equipment, or Associated Parts or Components, that has a VOC content in excess of the limits contained in Table 1.

Table 1 - Coating Categories and VOC Limits

	VOC Regulatory Limit, as applied, in grams per Liter (pounds per gallon)
Coating Categories	**Effective on and after 7/1/2011**
Adhesion Promoter	540 (4.5)
Clear Coating	250 (2.1)
Color Coating	420 (3.5)
Multi-color Coating	680 (5.7)
Pretreatment Coating	660 (5.5)
Primer	250 (2.1)
Primer Sealer	250 (2.1)
Single-stage Coating	340 (2.8)
Temporary Protective Coating	60 (0.5)
Truck Bed Liner Coating	310 (2.6)
Underbody Coating	430 (3.6)
Uniform Finish Coating	540 (4.5)
Any Other Coating Type	250 (2.1)

Monitoring and Records

(1) All Persons subject to this rule and any Person claiming any exemption under subsection (D)(1) shall comply with the following requirements:

(a) Maintain and have available during an inspection, a current list of Automotive Coatings in use which provides all of the Coating data necessary to evaluate compliance, including the following information:

(i) The Additive, Automotive Coating, Catalyst, and Reducer used, i.e. material name and manufacturer.
(ii) The mix ratio of components used.
(iii) The VOC Actual and the VOC Regulatory content of each Automotive Coating as applied.
(iii) The Targeted HAP Compounds content as applied in weight percentage.
(v) The application method used .

(b) Maintain records on a daily basis including:

(i) Automotive Coating and mix ratio of components used in the Automotive Coating.
(ii) Quantity of each Automotive Coating applied.
(iii) Application method used to apply Automotive Coating.
(iii) Any Person/facility utilizing an add-on Emission Control System as a means of complying with provisions of this rule shall also maintain records of key system operating and maintenance data for

the purpose of demonstrating continuous compliance during

periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.

(c) Maintain records on a monthly basis for Surface Preparation and Cleaning
Operations including:

(i) The name and manufacturer of the Solvent used, including methylene chloride (MeCl).
(i) The amount of each Solvent and methylene chloride (MeCl) consumed for any use, in gallons.
(ii) The weight percentage of each Solvent and methylene chloride (MeCl) consumed for any use.

(d) Such records shall be retained and available for inspection by the APCO for a minimum of five (5) years.

[Rule 1116 - *Automotive Refinishing Operations*]

32. The Portland Cement Kiln operated at this facility shall comply with all applicable requirements of *Rule 1161- Portland Cement Kiln* including the following:

(a) Technology Requirements
(i) NO_X Reduction Technologies
a. The Owner/Operator of a kiln subject to District Rule 1161 shall operate such equipment with NO_X RACT. RACT shall be specific to the type of kiln being Operated, and can include - but is not limited to any one, or a combination of, the following:
1. Combustion Controls
2. Low NO_X burners
3. Staged combustion
4. NO_X-reducing fuels or substances (includes tire-derived fuels).
(ii) NOx RACT Emission Limits – All periods except Start-up and Shut-down a. The Owner/Operator of a kiln subject to District Rule 1161 shall not exceed the following NOx emission limits, calculated pursuant to Section (E)(1)(b), during periods of operation other than Start- up and Shut-down:
1. For Preheater-Precalciner Kilns: 6.4 lb/ton of clinker produced when averaged over any 30 consecutive day period;
(iii) NOx RACT Emission Limits –Start-up and Shut-down Periods
a. The Owner/Operator of a kiln subject to District Rule 1161 shall not exceed the following limits during Start-up and Shut-down

periods:

1. For Preheater-Precalciner Kilns manufactured by Allis Chalmers whose construction was completed in 1982: 17,616 lb NO_X/day

(iv) Additional Start-up and Shut-down Requirements

a. The frequency and duration of Operation in Start-up or Shut-down mode will be minimized to the maximum extent practicable, and in no case shall the duration of the Start-up or Shut-down period exceed 36 hours;

b. All possible steps will be taken to minimize the impact of emissions during Start-up and Shut-down on ambient air quality;

c. The facility must be Operated in a manner consistent with good practice for minimizing emissions, and the source must have used best efforts regarding planning, design and operating procedures to meet the applicable emission limitation; and

d. The Owner/Operator's actions during Start-up and Shut-down periods must be documented by contemporaneous operating logs signed by the operator on duty at the time of Start-up or Shut-down or other relevant evidence.

(b) Compliance Determination

(i) The Owner/Operator of a kiln subject to this District Rule 1161 shall make the following determinations, as set forth herein:

a. Compliance determinations shall not be established from data obtained during the periods specified in Section (G).

b. Emission Calculation Method

1. Emissions shall be calculated by dividing the sum of all hourly lb of NO_X for the current operating day and the preceding 29 operating days by the tons of clinker produced over the same period of time. Such calculations shall exclude any emissions and clinker produced during those time periods specified in Section (G) and during Start-up and Shut-down.

c. The Owner/Operator of a kiln subject to District Rule 1161 shall convert observed NO_X concentrations to a mass emission rate using the following formula (for purposes of this calculation, standard conditions are @ 68°F and 29.92 inches Hg):

lb/hr = 7.1497 x 10-6 (ppmv)(dscfm)

d. For the purposes of District Rule 1161, oxides of nitrogen shall be calculated as NO_2 on a dry basis.

(c) Monitoring and Recordkeeping

(i) Continuous Emissions Monitoring

a. The Owner/Operator of a kiln subject to District Rule 1161 shall not Operate such equipment unless it is equipped with one of the

following:

1. A CEMS monitoring system which meets the requirements of 40 CFR Part 60, Subpart A, and Appendix B, and complies with the quality assurance procedures specified in 40 CFR Part 60, Appendix F. The CEMS shall be used to demonstrate compliance with the applicable emission limit, specified pursuant to Section (C)(2) of this rule by measuring NO_X emissions.

b. The CEMS or approved alternate recordkeeping procedure shall be operated and maintained in strict accordance with the manufacturer's/supplier's specifications and in continual compliance with the provisions of District Rule 1161.

(ii) Recordkeeping Requirements

a. The Owner/Operator of a kiln subject to District Rule 1161 shall produce and maintain CEMS records, or alternate records pursuant to Section (F)(1)(a)(ii) of this rule, for each affected kiln on a daily basis. Such records shall include, but are not limited to:

1. The emissions, in pounds, of NO_X from each cement kiln if complying with the limit specified in (C)(2) of this rule on a permit unit basis; or
2. The aggregate emissions, in pounds, of NO_X from all cement kilns at a facility, if complying with the limit specified in (C)(2) of this rule on an aggregate basis, as approved by the District.
3. The date, time and duration of any start-up, shutdown or malfunction in the Operation of any of the kiln systems or the emissions monitoring equipment;
4. The results of performance testing, evaluation, calibration checks, adjustments and maintenance of the CEMS or approved alternate recordkeeping procedure employed, pursuant to the requirements of Section (F)(1)(a)(ii) of this rule.

b. The Owner/Operator of a kiln subject to District Rule 1161 shall produce and maintain daily records of NO_X emission concentrations and NO_X mass emission rate, as required by Section (E)(1)(c) of this rule.

c. The Owner/Operator of a kiln subject to District Rule 1161 shall produce and maintain daily clinker production records.

d. The Owner/Operator of a kiln subject to District Rule 1161 shall produce and maintain daily records of the type and quantity of fuel used.

e. All records required to be produced or maintained shall be retained on site for a minimum of five years and be made available to the APCO or his designee upon request.

(iii) Emission Reporting

a. Daily NO_X emission data for the calendar quarter compiled

pursuant to Section (F)(2)(a)(i) or (ii) of this rule shall be submitted to the District. All quarterly reports must be received within 30 days after the end of each quarter.

(d) Exemptions

(i) The requirements of Sections (C)and (D) of District Rule 1161 shall not apply to periods during which any gaseous/liquid fuel is used (except Start-up and Shut-down), and the applicable emission limit is consequently exceeded. This exemption shall be subject to the following conditions:

a. The total allowable exceedance period shall be limited to an aggregate total of 14 calendar days per calendar year; and

b. Operating pursuant to this exemption shall not relieve the owner or operator from the requirements of District Regulations II, XII or XIII; and

c. This exemption shall only apply to periods when there is an interruption in the supply of solid fuel which is beyond the control of the facility; and

d. The frequency and duration of operation under this exemption will be minimized to the maximum extent practicable; and

e. All possible steps will be taken to minimize the impact of emissions on ambient air quality during gaseous or liquid fuel use;

f. The facility must be Operated in a manner consistent with good practice for minimizing emissions, and the source must have used best efforts regarding planning, design and operating procedures to meet the applicable emission limitation; and

g. The Owner/Operator’s actions under this exemption must be documented by properly signed, contemporaneous operating logs, or other relevant evidence.

(e) Test Methods

(i) The following tests shall be used in conducting compliance testing, Relative Accuracy Test Audits (RATA) and other testing required for compliance with this Rule:

a. Compliance testing shall be subject to the protocols prescribed in the District's Compliance Test Procedural Manual.

b. Certification Testing shall be subject to the protocols prescribed in the District's Compliance Test Procedural Manual and 40 CFR 60, Appendix B.

c. Quality Assurance Testing shall be subject to the protocols prescribed in the District's Compliance Test Procedural Manual and 40 CFR Part 60, Appendix F.

d. Oxides of nitrogen stack testing for purposes of this Rule shall be conducted pursuant to EPA Method 7E, "Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)" or CARB Method 100, "Procedures for Continuous Gaseous Emission Stack Sampling (Stack Gas NOx)."

e. Stack gas flow rate testing shall be conducted pursuant to EPA Method 2, "Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pilot Tube)."

f. Oxygen concentration stack testing shall be conducted pursuant to EPA Method 3A, "Determination of 02 and CO2 Concentrations in Emissions from Stationary Sources (Instrumental Analyzer Procedure)" or CARB Method 100.

[District Rule 1161]

33. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 [Regulation XII - *Federal Operating Permits*].

34. The facility is subject to 40 CFR Part 98 "Mandatory Reporting of Greenhouse Gases" requirements as established in Subpart A (§§ 1 – 9) General Provision and Subpart H (§§ 80 - 88) Cement Production.

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
[Rule 204 - *Permit Conditions*]

3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
   (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
   (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use

of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement are sufficient.

[*40 CFR 70.6(a)(3)(B) – Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*]
[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)] and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]

4 (a) Owner/Operator shall submit Compliance Certifications as prescribed by Rule 1203(F)(1) and Rule 1208, in a format approved by MDAQMD. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.
[40 CFR 70.6(c)(5)(i); Rule 1208; Rule 1203(D)(1)(vii-x)]

(b) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]

(c) Owner/Operator shall comply with any additional certification requirements as specified in 42 United States Code (U.S.C.) §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]

(d) Owner/Operator shall submit a *Compliance Certification Report* to the APCO/District on an annual basis pursuant to District Rule 1203. The *Compliance Certification Report* shall cover the 12 month period from March 17 to March 16, and be postmarked no later than 30 days after the end of the reporting period. Each report shall be certified to be true, accurate, and complete by "The Responsible Official" and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.
[40 CFR 72.90.a <u>and</u> Rule 1203 (D)(1)(g)(v - x)]

5. Owner/Operator shall submit, on a <u>*semi-annual*</u> basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report* shall cover the periods from March 17 to September 13 and from September 14 to March 16, and be postmarked no later than 30 days after the end of the reporting period. This *Monitoring Report* shall be certified to be true, accurate, and complete by "The Responsible Official" and shall include the following information and/or data:
   (a) Summary of deviations from any federally enforceable requirement in this permit.
   (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
   (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

An alternate Monitoring Report format may be used upon prior approval by MDAQMD.

[Rule 1203(D)(1)(e)(i)]

6. Owner/Operator shall promptly report all deviations from Federal Operating Permit requirements including, but not limited to, any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]
   Prompt reporting shall be determined as follows:
   (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 2/24/95]
   (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally enforceable requirement during the 5-year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:
   (a) A narrative description of how the facility will achieve compliance with such requirements; and
   (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
   (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule

of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.
[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

C. FACILITYWIDE COMPLIANCE CONDITIONS:

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]

2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]

3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]

4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]

5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[1203 (D)(1)(f)(ii)]

6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2); Rule 1203(D)(1)(g)(v)]

7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, Subparts A and M]

8. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.

[40 CFR 61.145.b]

9. Owner/Operator shall notify the APCO/District, on an annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145.b]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

A. EQUIPMENT DESCRIPTION:

PRE-HEATER/CALCINER CEMENT PLANT

PROCESS GROUP # 110: PRIMARY CRUSHING SYSTEM

1. PRIMARY CRUSHER – MDAQMD PERMIT # B000137; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
110CR101	Primary Crusher			600
110FN101	Fan for 110BF101	14,000	ACFM	25

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. This equipment shall not be operated unless it is vented to properly functioning air pollution control equipment covered by valid District permits: C000138 (110BF101), C000140 (121BF101), C001713 (121BF102), C001714 (121BF103). [District Rules 404; 1303]

3. The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. [Rule 1303]

4. The o/o shall maintain a log of all inspections, repairs and maintenance on this equipment. The log shall be kept on-site for a minimum period of five years and provided to District personnel on request. [Rules 1203(1)(d)(ii); 1303]

5. Water sprays shall be operated as necessary when the Primary Crusher hopper is being used. The water spray system shall be maintained and sufficient water shall be available as necessary to preclude violations of District rules 401, 402 and 403. [Rule 204; Rule 1303(A)]

6. The o/o shall not exceed a feed rate of 1600 ton/hour to the Primary Crusher. O/o must demonstrate compliance with hourly measurements of processed material. [Rule 405; Rule 1300]

7. For dust collectors C000138 (110BF101), C000140 (121BF101), C001713 (121BF102), C001714 (121BF103), the o/o shall conduct an initial emission compliance test relative to District Rules 404, 405, and 1303 within 90 days of completion of the secondary crushing replacement project (application date June 6, 2017). Unless otherwise specified herein, the testing shall follow the District's Compliance Testing Procedural Manual. O/o shall use the test method specified below. O/o shall notify the District 10 days prior to conducting the test. Test results must be submitted within 45 days of completion of the test. *District permit numbers and ID were added to condition to be absolutely clear which units are to be tested.*

   Test Method (PM10): EPA Test Method 5 (or equivalent method with prior District approval). [Rules 404; 405; 1303]

2. <u>DUST COLLECTOR 110BF101 – MDAQMD PERMIT # C000138; consisting of:</u>
a Nor-Blo Model 390A-25' baghouse with polyester felt bags whose total filter area is 4667 square feet, equipped with a 25 hp fan generating 14,000 cfm of flow at 90 degrees Fahrenheit (for an air to cloth ratio of 3.0:1). This unit serves the primary crushing system (B000137). Includes water sprays.

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204; 1303]

2. This baghouse shall be operated concurrently with the primary crushing system under B000137. [Rules 204; 404; 1303]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months;
   c. Quarterly bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs.
   [Rules 401; 1303; 1203(D)(1)(d)(ii); 40 CFR 63]

4. This baghouse shall discharge no more than a maximum concentration of 0.01 grains/dscf PM10 at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 404; 1303]

5. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rules 401; 404; 1303]

6. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rules 401; 1303]

PROCESS GROUP # 121: SECONDARY CRUSHING SYSTEM

3. SECONDARY CRUSHER – MDAQMD PERMIT # B000137; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
121CR101	Secondary Metso Cone Crusher North			400
121CR102	Secondary Metso Cone Crusher South			400
121FN101	Fan For Dust Collector 121BF101 North	22,000	ACFM	50
121FN102	Fan For Dust Collector 121BF102 South	22,000	ACFM	50
121FN103	Fan For Dust Collector 121BF103	4,000	ACFM	15

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months;
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs.
[Rules 1203(D)(1)(d)(ii) 1303(A)]

6. Permitted baghouse C000140, C001713, and C001714 shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 404; 1303(A)]

7. Dust collectors under this unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rules 401; 404; 1303]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 401; 1303]

4. <u>DUST COLLECTOR 121BF101 – MDAQMD PERMIT # C000140; consisting of:</u>
a Nor-Blo Model 624A-40' baghouse with polyester felt bags whose total filter area is 7333 square feet, equipped with a 50 hp fan generating 22,000 cfm of flow at 90 degrees Fahrenheit (for an air to cloth ratio of 3.0:1). This unit serves the secondary crushing system (B000137).

1. This baghouse shall be operated concurrently with the primary crushing system under B000137. [Rule 204]

5. <u>DUST COLLECTOR 121BF102 – MDAQMD PERMIT # C001713; consisting of:</u>
a Nor-Blo Model 624A-40' baghouse with polyester felt bags whose total filter area is 7333 square feet, equipped with a 50 hp fan generating 22,000 cfm of flow at 90 degrees Fahrenheit (for an air to cloth ratio of 3.0:1). This unit serves the secondary crushing system (B000137). Includes the 10 hp air spray blower No. 3.

1. This baghouse shall be operated concurrently with the primary crushing system under B000137. [Rule 204]

6. <u>DUST COLLECTOR 121-BF-103 – MDAQMD PERMIT # C001714; consisting of:</u>
a pulse jet baghouse with polyester felt bags whose total filter area is 800 square feet, equipped with a 15 hp fan generating 4000 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the belt conveyor portions of the secondary crushing systems (B000137).

1. This baghouse shall be operated concurrently with the primary crushing system under B000137. [Rule 204]

PROCESS GROUP # 131& 132: LIMESTONE & ADDITIVE STORAGE SYSTEM

7. LIMESTONE & ADDITIVE STORAGE SYSTEM – MDAQMD PERMIT # B007426; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
131BFFN101	Fan for dust collector 131BF101	6,500	ACFM	20
131DM101	Limestone Dome			
131ST200	Stacker inside limestone dome			
131RE300	Reclaimer inside limestone dome			
131BFFN102	Fan for dust collector 131BF102	2,200	ACFM	5
132BFFN101	Fan for dust collector 132BF101	3,000	ACFM	10
132AF101	Belt Feeder			
	Material Storage Building	6,000	Tons	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
   c. Quarterly bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
   [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants, and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing. [40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

8. <u>DUST COLLECTOR 131BF101 – MDAQMD PERMIT # C007421; consisting of:</u>
a pulse jet baghouse with polyester felt bags whose total filter area is 1300 square feet, equipped with a 20 hp fan generating 6500 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the limestone and additive storage system (B007426).

1. This baghouse shall be operated concurrently with the limestone and additive storage system under B007426. [Rule 204]

9. <u>DUST COLLECTOR 131BF102 – MDAQMD PERMIT # C007422; consisting of:</u>
a pulse jet baghouse with polyester felt bags whose total filter area is 440 square feet, equipped with a 5 hp fan generating 2200 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the limestone and additive storage system (B007426).

1. This baghouse shall be operated concurrently with the limestone and additive storage system under B007426. [Rule 204; Rule 1303(A)]

10. <u>DUST COLLECTOR 132BF101 – MDAQMD PERMIT # C007423; consisting of:</u>
a pulse jet baghouse with polyester felt bags whose total filter area is 600 square feet, equipped with a 10 hp fan generating 3000 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the limestone and additive storage system (B007426).

1. This baghouse shall be operated concurrently with the limestone and additive storage system under B007426. [Rule 204; Rule 1303(A)]

PROCESS GROUP # 231: FUEL & ADDITIVE ~~TRANSFER~~ TRANSFER & STORAGE ~~SYSTEM~~ SYSTEM

11. FUEL & ADDITIVE TRANSFER & STORAGE SYSTEM – MDAQMD PERMIT # B007477; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
231VF050	Railcar unloading vibratory feeder			
231VF060	Railcar unloading vibratory feeder			
	Belt 231BC110 Diverter Gate			
231ST200	Fuel/Additive Stacker Inside Enclosure			
	Material Storage Building	30,000	Ton	
231BFFN140	Fan for Dust Collector 231BF140	4,500	ACFM	15
231BFFN160	Fan for Dust Collector 231BF160	4,500	ACFM	15
231BFFN180	Fan for Dust Collector 231BF180	4,500	ACFM	15

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment.
[Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants, and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing. As applicable, these baghouses shall be operated in compliance with the requirements of 40 CFR Subpart Y-Standards for of Performance for Coal Preparation Plants.
[40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; 40 CFR Part 63 subpart Y; Rule

1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

12. <u>DUST COLLECTOR 231BF140 – MDAQMD PERMIT # C007478; consisting of:</u>
a pulse jet baghouse with polyester felt bags whose total filter area is 900 square feet, equipped with a 15 hp fan generating 4500 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the transition from 231BC110 to 231BC120 portion of the fuel and additive handling and storage system (B007477).

1. This baghouse shall be operated concurrently with the coal and slag handling and storage system under B007477. [Rule 204; Rule 1303(A)]

13. <u>DUST COLLECTOR 231BF160 – MDAQMD PERMIT # C007479; consisting of:</u>
a pulse jet baghouse with polyester felt bags whose total filter area is 900 square feet, equipped with a 15 hp fan generating 4500 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the transition from 231BC120 to 231BC150 portion of the coal and slag handling and storage system (B007477).

1. This baghouse shall be operated concurrently with the fuel and additive handling and storage system under B007477. [Rule 204; Rule 1303(A)]

14. <u>DUST COLLECTOR 231BF180 – MDAQMD PERMIT # C007424; consisting of:</u>
a pulse jet baghouse with polyester felt bags whose total filter area is 900 square feet, equipped with a 15 hp fan generating 4500 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the transition from 231BC160 to 231BC170 portion of the coal and slag handling and storage system (B007477).

1. This baghouse shall be operated concurrently with the fuel and additive handling and storage system under B007477. [Rule 204; Rule 1303(A)]

15. FUEL STORAGE BINS – MDAQMD PERMIT # T007508; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
231BI010	Coal Storage~~Fuel~~ Bin	103	1000 Gallons	
461BI60~~6~~0	Pulverized Fuel Storage Bin	7.5	1000 Gallons	
231BI300	Coke Storage Bin	~~5.5~~15.0	1000 Gallons	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling. ~~Gallon Capacity Units in thousands.~~

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in strict accord with the recommendations of the manufacturer/supplier. [Rule 204]

2. 231BI010 shall not operate unless vented to baghouse C010335 (461BF030). 461BI600 shall not operate unless vented to baghouse C007482 (461BF610). 231BI300 shall not operate unless vented to baghouse C013677 (461BF301).[Rule 204; Rule 1303(A)]

16. COKE HANDLING SYSTEM – MDAQMD PERMIT # B013683; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
	Hopper			~~30~~
231BC300	Conveyor			30
231BC301	Conveyor			50
231DG111	Diversion gate			5
	Rotary Feeders (4)			50
461WF300	Conveyor			15

Utilizes existing coal conveyor 231BC170 and material diversion gate 231DG110 (B007477)

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. All material conveyors and transfer points shall be skirted and covered to ensure all dust is collected by associated dust collectors. 231BC300 shall not operate unless vented to baghouse C013675 (231BF301). 231BC301 shall not operate unless vented to baghouse C013676 (231BF302). 231BI300 and 461WF300 shall not operate unless vented to baghouse C013677 (461BF301).[District Rules 204 and 1303(A)]

3. Coke fuel shall only be stored in the material storage building or within a similarly constructed enclosure having half-walls and a roof.
[District Rule 1303]

4. Visible emissions from the coal/coke material storage building must not exceed 10 percent opacity for 6 minutes in any one hour. Owner/operator shall carry out monthly visible emission (VE) determinations in accordance with 40 CFR Part 63, Subpart LLL. If no visible emissions are observed for six consecutive months, the frequency can change to semi-annually. If no

emissions are observed semi-annually, the frequency can be changed to annually. If any visible emissions are observed, frequency reverts to monthly until no visible emissions are observed for six consecutive months. Owner/operator shall maintain a log of each monthly VE determination for a period of 5 years.
[District Rule 1303, 40 CFR 63.1350(f)(1)]

5. For dust collectors under this permit, the o/o shall conduct a minimum program of inspection and maintenance. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; District Rule 1303(A) and 1203(D)(1)(d)(ii)]

6. This equipment, including associated baghouses, shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL -National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
[40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; District Rule 1303(A)]

7. Each associated baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.
[40 CFR 63.1345; District Rule 401]

8. Each associated baghouse shall be equipped with a device to measure the pressure differential across the bags (manometer).
[District Rule 1303(A)]

9. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.
[District Rule 1303(A)

10. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30, 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

17. COKE HANDLING BAGHOUSE 231BF301 – MDAQMD PERMIT # C013675; consisting of:

a TBD, Model TBD, TBD type baghouse with TBD polyester felt bags, each bag measuring TBD, and whose total filter area is a minimum of TBD square feet, equipped with a ~~TBD~~25 hp fan generating 4,500 acfm of flow (3,851 dscfm), for a minimum ~~an~~ air to cloth ratio of TBD. This unit serves material transfer conveyors associated with coke handling system.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. This equipment shall be operated concurrent with the coke handling system under B013683.
[District Rule 204 and 1303(A)]

3. This baghouse shall discharge no more than 0.17 lb/hr PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 1303(A) and Rule 404]

18. COKE HANDLING BAGHOUSE 231BF302 – MDAQMD PERMIT # C013676; consisting of:

a TBD, Model TBD, TBD type baghouse with TBD polyester felt bags, each bag measuring TBD, and whose total filter area is a minimum of TBD square feet, equipped with a ~~TBD~~25 hp fan generating 4,500 acfm of flow (3,851 dscfm), for a minimum~~an~~ air to cloth ratio of TBD. This unit serves material transfer conveyors associated with coke handling system.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. This equipment shall be operated concurrent with the coke handling system under B013683.
[District Rule 204 and 1303(A)]

3. This baghouse shall discharge no more than 0.17 lb/hr PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rules 1303(A) and 404]

19. COKE HANDLING & BIN BAGHOUSE 461BF301 – MDAQMD PERMIT # C013677; consisting of:

a TBD, Model TBD, TBD type baghouse with TBD polyester felt bags, each bag measuring

TBD, and whose total filter area is a minimum of TBD square feet, equipped with a ~~TBD~~40 hp fan generating 6,000 acfm of flow (5,134 dscfm), for a minimum ~~an~~ air to cloth ratio of TBD.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. This baghouse shall be operated concurrently with the coke handling system under B013683 and coke storage bin under T007508.
[District Rules 204 and 1303(A)]

3. This baghouse shall discharge no more than 0.22 lb/hr PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rules 1303(A) and 404]

20. ALTERNATE FUELS HANDLING SYSTEM – MDAQMD PERMIT # B013684; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
	Alternate Fuels Storage Building			N/A~~0~~
	Alt Fuel (2) Moving Floor Conveyors			50
	Alt Fuel Material Deaggregator			50
	Alt Fuel (2) Incline Drag Conveyors			80
	Alt Fuel Load Cell Hopper			N/A~~0~~
	Alt Fuel Screw Conveyors			50
	Alt Fuel Belt Scale			7.5
	Alt Fuel (2) Split Direction Screw Conveyors			30
	Alt Fuel (2) Rotary Air Locks			15
	Alt Fuel (2) Blowers			20
	Whole Tires Delivery System Trailer Dumper			
	Tire Singulator			25
	Tire Centering Rollers (3)			30
	Tire Elevator			50
	Tire Loading Shoot			20
	Biosolids Storage and Conveyance			
	Biosolids Belt Scale			25
	Biosolids Deaggregator			50
	Biosolids Rotary Air Locks (2)			15
	Biosolids Blowers (2)			20

1. The owner/operator, o/o, shall maintain this equipment in strict accord with those

recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. Fugitive emissions from the alternate fuels storage building openings and handling equipment must not exceed five percent opacity in any 6 minutes.
[District Rule 1303A-BACT]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Record of each type of alternate fuel material stored and, monthly alternate fuel material throughput;
b. Monthly visual observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). A visual observation shall be performed on material storage building openings. If no visible emissions are observed for six consecutive months, the frequency can change to semi-annually. If no emissions are observed semi-annually, the frequency can be changed to annually. If any visible emissions are observed, frequency reverts to monthly until no visible emissions are observed for six consecutive months.
c. Date and nature of all inspections, repairs, and maintenance on equipment.
[District Rule 204]

4. The alternate fuels storage building shall not operate unless vented to baghouse C013678. The incline drag conveyor #1 shall not operate unless vented to baghouse C013679. The incline drag conveyor #2 and load cell hopper shall not operate unless vented to baghouse C013680. The belt scale shall not operate unless vented to baghouse C013680. The belt scale shall not operate unless vented to baghouse C013681.
[District Rule 204 and 1303(A)]

5. For dust collectors under this permit, the o/o shall conduct a minimum program of inspection and maintenance. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; District Rules 401, 1303(A) and 1203(D)(1)(d)(ii)]

6. Biosolids, engineered fuels, and fuels classified as biomass shall only be stored in the alternate fuels storage building.

[District Rule 1303, 401, and 403]

7. All material conveyors and transfer points shall be skirted and covered to ensure all dust is collected by associated dust collectors.
[District Rule 1303]

8. Alternative fuel blending operations shall only take place inside the alternate fuels storage building.
[District Rules 401 and 403]

9. The owner/operator shall only store alternate fuels to be used in the kiln which can be characterized as non-hazardous secondary materials (NHSMs) following the provisions of 40 CFR 241 Subpart B, Identification of Non-Hazardous Secondary Materials that are Solid Wastes When Used as Fuels or Ingredients in Combustion Units (NHSM Rule).

10. This equipment shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry.
[40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule1303(A)]

11. Each associated baghouse shall be equipped with a device to measure the pressure differential across the bags (manometer).
[District Rule 1303(A)]

12. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.
[District Rule 1303(A)]

13. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

21. ALTERNATE FUELS BAGHOUSE #1 – MDAQMD PERMIT # C013678; consisting of: a TBD, Model TBD, TBD type baghouse with TBD polyester felt bags, each bag measuring TBD, and whose total filter area is a minimum of TBD square feet, equipped with a 25 hp fan generating 5,000 acfm of flow (4,279 dscfm), for a minimum~~an~~ air to cloth ratio of TBD. This unit serves material transfer conveyors associated with alternate fuel handling system

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. This baghouse shall be operated concurrently with the alternate fuels handling system under B013684.
[District Rules 204 and 1303(A)]

3. This baghouse shall discharge no more than 0.18 pound per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 1303(A); Rule 404]

22. ALTERNATE FUELS BAGHOUSE #2 – MDAQMD PERMIT # C013679; consisting of:

a TBD, Model TBD, TBD type baghouse with TBD polyester felt bags, each bag measuring TBD, and whose total filter area is a minimum of TBD square feet, equipped with a 25 hp fan generating 5,000 acfm of flow (4,279 dscfm), for a minimum air to cloth ratio of TBD. This unit serves material transfer conveyors associated with alternate fuel handling system

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. This baghouse shall be operated concurrently with the alternate fuels handling system under B013684.
[District Rules 204 and 1303(A)]

3. This baghouse shall discharge no more than 0.18 pound per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 1303(A); Rule 404]

23. ALTERNATE FUELS BAGHOUSE #3 – MDAQMD PERMIT # C013680; consisting of:

a TBD, Model TBD, TBD type baghouse with TBD polyester felt bags, each bag measuring TBD, and whose total filter area is a minimum of TBD square feet, equipped with a 25 hp fan generating 5,000 acfm of flow (4,279 dscfm), for a minimum air to cloth ratio of TBD. This unit serves material transfer conveyors associated with alternate fuel handling system

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. This baghouse shall be operated concurrently with the alternate fuels handling system under B013684.
[District Rules 204 and 1303(A)]

3. This baghouse shall discharge no more than 0.18 pound per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 1303(A); Rule 404]

24. ALTERNATE FUELS BAGHOUSE #4 – MDAQMD PERMIT # C013681; consisting of:

a TBD, Model TBD, TBD type baghouse with TBD polyester felt bags, each bag measuring TBD, and whose total filter area is a minimum of TBD square feet, equipped with a 25 hp fan generating 5,000 acfm of flow (4,279 dscfm), for a minimum air to cloth ratio of TBD. This unit serves material transfer conveyors associated with alternate fuel handling system

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. This baghouse shall be operated concurrently with the alternate fuels handling system under B013684.
[District Rules 204 and 1303(A)]

3. This baghouse shall discharge no more than 0.18 pound per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 1303(A); Rule 404]

25. ALTERNATE FUELS BAGHOUSE #5 – MDAQMD PERMIT # C013682; consisting of:

a TBD, Model TBD, TBD type baghouse with TBD polyester felt bags, each bag measuring TBD, and whose total filter area is a minimum of TBD square feet, equipped with a 25 hp fan generating 5,000 acfm of flow (4,279 dscfm), for a minimum air to cloth ratio of TBD. This unit serves material transfer conveyors associated with alternate fuel handling system

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]

2. This baghouse shall be operated concurrently with the alternate fuels handling system under B013684.
[District Rules 204 and 1303(A)]

3. This baghouse shall discharge no more than 0.18 pound per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 1303(A); Rule 404]

PROCESS GROUP #311: RAW MILL DOSING SYSTEM

~~1.~~26. LIMESTONE/ADDITIVE DELIVERY SYSTEM – MDAQMD PERMIT # B007427; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
311BFFN110	Fan for Dust Collector 311BF110	10,000	ACFM	40
311BFFN101	Fan for Dust Collector 311BF101	10,000	ACFM	40
311BFFN111	Fan for Dust Collector 311BF111	6,500	ACFM	20
311BFFN103	Fan for Dust Collector 311BF103	8,000	ACFM	25

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Materials processed shall contain sufficient natural and/or added moisture to ensure compliance with District Rules, such as, but not limited to, 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition and used as necessary to ensure compliance. [Rule 1300]

3. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

4. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
   c. Quarterly bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
   [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

5. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

6. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater

than ten percent opacity. [40 CFR 63.1345; Rule 401]

7. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A)]

8. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

9. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~2.~~27. DUST COLLECTOR 311BF110 – MDAQMD PERMIT #CO007425 ; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 2000 square feet, equipped with a 40 hp fan generating 10,000 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the raw mill dosing system (B007427).

1. This baghouse shall be operated concurrently with the raw mill dosing system under B007427. [Rule 204; Rule 1303(A)]

~~3.~~28. DUST COLLECTOR 311BF101 – MDAQMD PERMIT # C007429; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 2000 square feet, equipped with a 40 hp fan generating 10,000 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the raw mill dosing system (B007427).

2. This baghouse shall be operated concurrently with the raw mill dosing system under B007427. [Rule 204; Rule 1303(A)]

~~4.~~29. DUST COLLECTOR 311BF111 – MDAQMD PERMIT #C007430 ; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1300 square feet, equipped with a 20 hp fan generating 6500 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the raw mill dosing system (B007427).

1. This baghouse shall be operated concurrently with the raw mill dosing system under B007427. [Rule 204; Rule 1303(A)]

~~5.~~30. DUST COLLECTOR 311BF103 – MDAQMD PERMIT #C007443 ; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1600 square feet, equipped with a 25 hp fan generating 8000 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the raw mill dosing system (B007427).

1. This baghouse shall be operated concurrently with the raw mill dosing system under B007427. [Rule 204; Rule 1303(A)]

~~6.~~31. LIMESTONE AND ADDITIVE STORAGE SYSTEM – MDAQMD PERMIT #

T007449; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
311BI101	Blended Limestone bin	102	Gallons	
311BI102	Corrective Raw Material/Additive bin	317	Gallons	
311BI103	Raw Material Additive bin	67	Gallons	
311BI104	Raw Material Additive bin	77	Gallons	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.
Units in thousands of gallons.

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

PROCESS GROUP # 321: RAW GRINDING SYSTEM

~~7.~~32. RAW GRINDING SYSTEM – MDAQMD PERMIT # B007439; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
321DRY101	Raw Material Dryer			
321RP101	Polycom High Pressure Grinding Roll			(x2) 2,250
321SR101	SEPOL separator			350
321FN120	Fan for raw grind exhaust	400,000	ACFM	3000
321DG102	Bypass Diverter Gate			
321FN101	Fan for Dust Collector 321BF101	25,000	ACFM	100
321FN102	Fan for Dust Collector 321BF102	16,000	ACFM	60
321FN103	Fan for Dust Collector 321BF103	1,500	ACFM	7.5
321FN104	Fan for Dust Collector 321BF104	2,600	ACFM	10

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the

frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~8.~~33. BAGHOUSE 321BF101 – MDAQMD PERMIT # C007442; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 5000 square feet, equipped with a 100 hp fan generating 25,000 cfm of flow at 190 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves 321BC101, 321BE101, 321BC102, 321RP101, 321BC103 and 321BI101 portions of the raw grinding system (B007439).

1. This baghouse shall be operated concurrently with the raw grinding system under B007439. [Rule 204; Rule 1303(A)]

~~9.~~34. BAGHOUSE 321BF102 – MDAQMD PERMIT # C007441; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 3200 square feet, equipped with a 60 hp fan generating 16,000 cfm of flow at 190 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the 321BC104 and 321BE102 portions of the raw grinding system (B007439).

1. This baghouse shall be operated concurrently with the raw grinding system under B007439. [Rule 204; Rule 1303(A)]

~~10.~~35. BAGHOUSE 321BF103 – MDAQMD PERMIT # C007451; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 300 square feet, equipped with a 7.5 hp fan generating 1500 cfm of flow at 194 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the 321AS101, 321AS102 and 321AS103 portions of the raw grinding system (B007439).

1. This baghouse shall be operated concurrently with the raw grinding system under B007439. [Rule 204; Rule 1303(A)]

~~11.~~36. BAGHOUSE 321BF104 – MDAQMD PERMIT #C007444 ; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 520 square feet, equipped with a 10 hp fan generating 2600 cfm of flow at 194 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves 321AS104 portion of the raw grinding system (B007439).

1. This baghouse shall be operated concurrently with the raw grinding system under B007439. [Rule 204; Rule 1303(A)]

~~12.~~37. FOUR CYCLONES – MDAQMD PERMIT # B007440; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
321CN101	Cyclone			
321CN102	Cyclone			
321CN103	Cyclone			
321CN104	Cyclone			

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain these cyclones in strict accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. These cyclones shall operate concurrently with the Raw Material Grinding System under valid District permit number B007439. [Rule 204; Rule 1303(A)]

PROCESS GROUP # 341: KILN FEED STORAGE SYSTEM

~~13.~~38. KILN FEED STORAGE – MDAQMD PERMIT # T007452; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
341SL101	Raw Meal Silo	2200/380	Tons/Gallons	
341SL102	Raw Meal Silo	2200/380	Tons/Gallons	
341SL103	Raw Meal Silo	2200/380	Tons/Gallons	
341SL104	Raw Meal Silo	2200/380	Tons/Gallons	
341SL105	Raw Meal Silo	2200/380	Tons/Gallons	
341SL106	Raw Meal Silo	2200/380	Tons/Gallons	
341SL107	Raw Meal Silo	2200/380	Tons/Gallons	
341SL108	Raw Meal Silo	2200/380	Tons/Gallons	
341SL109	Raw Meal Silo	2200/380	Tons/Gallons	
341BFFN101	Fan for 341BF101	5,800	ACFM	20
341BFFN102	Fan for 341BF102	5,000	ACFM	25
341BFFN103	Fan for 341BF103	24,000	ACFM	100
341BFFN104	Fan for 341BF104	5,000	ACFM	20
341SI110	Interstices silo	350/75	Tons/Gallons	
341SI111	Interstices silo	350/75	Tons/Gallons	
341SI112	Interstices silo	350/75	Tons/Gallons	
341SI113	Interstices silo	350/75	Tons/Gallons	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.
Gallons in thousands.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
   c. Annual bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs. [40 CFR 63.1355(g)]

[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~14.~~39. DUST COLLECTOR 341BF101 – MDAQMD PERMIT #C007462 ; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1160 square feet, equipped with a 20 hp fan generating 5800 cfm of flow at 265 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the raw meal silos portions of the kiln feed storage system (T007452).

1. This baghouse shall be operated concurrently with the kiln feed storage system under T007452. [Rule 204; Rule 1303(A)]

~~15.~~40. DUST COLLECTOR 341BF102 – MDAQMD PERMIT #C007488 ; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1000 square feet, equipped with a 25 hp fan generating 5000 cfm of flow at 265 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the raw meal silos portion of the kiln feed storage system (T007452).

1. This baghouse shall be operated concurrently with the kiln feed storage system under T007452. [Rule 204; Rule 1303(A)]

~~16.~~41. DUST COLLECTOR 341BF103 – MDAQMD PERMIT #C007463 ; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 4800 square feet, equipped with a 100 hp fan generating 24,000 cfm of flow at 265 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the raw meal storage silos portion of the kiln feed storage system (T007452).

1. This baghouse shall be operated concurrently with the kiln feed storage system under T007452. [Rule 204; Rule 1303(A)]

~~17.~~42. DUST COLLECTOR 341BF104 – MDAQMD PERMIT #C007487 ; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1000 square feet, equipped with a 20 hp fan generating 5000 cfm of flow at 265 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the 341BE101 portion of the kiln feed storage system (T007452).

1. This baghouse shall be operated concurrently with the kiln feed storage system under T007452. [Rule 204; Rule 1303(A)]

PROCESS GROUP #341 AND # 351: KILN FEED SYSTEM

~~18.~~43. KILN FEED SYSTEM – MDAQMD PERMIT # B007445; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
341BE101	Bucket Elevator			412.8
341DG107	Diverter Gate	10		
	Four Kiln Feed Silo Aeration Blowers			20
341AS101-109; 121-127	16 Air Slides			
341DG101-109	Nine Diverter Gates			9
	Feed Withdrawal and Airslide Blowers			47.5
	Feed Withdrawal Rotary Feeders			100.8
341SC110-113	Four Screw Conveyors			40
351BE101	Bucket Elevator			154.8
351AS101 and 103	Two Air Slides			15
351AL101	Aeropol Kiln Feed Feeder			1280
351P1101	Pneumatic Line			
351DG101-102	Two Diverter Gates			
351WF531	Weigh Feeder			1.5
351CV550-551	Two Chain Conveyors			6

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to baghouses under valid District permits C007462 (341BF101), C007463 (341BF103), C007487 (341BF104), C007488 (341BF102), C007408 (351BF101), C007407 (351BF102), and C007494 (351BF510). [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
   c. Annual bag and bag suspension system inspection date and results, Quarterly for 351FN510;
   d. Date of bag replacements; and,

e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A)]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~19.~~44. BAGHOUSE 351BF102 – MDAQMD PERMIT # C007407; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1060 square feet, equipped with a 20 hp fan generating 5000 cfm of flow at 212 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the kiln feed bin portion of the kiln feed system (B007445).

1. This baghouse shall be operated concurrently with the kiln feed system under B007445. [Rule 204; Rule 1303(A)]

~~20.~~45. BAGHOUSE 351BF101 – MDAQMD PERMIT # C007408; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 300 square feet, equipped with a 10 hp fan generating 1500 cfm of flow at 212 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the Polodos feeding air slide portion of the kiln feed system (B007445).

1. This baghouse shall be operated concurrently with the kiln feed system under B007445. [Rule 204; Rule 1303(A)]

~~21.~~46. ADDITIVE STORAGE – MDAQMD PERMIT # T007491; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
351BI500	Additive bin	36	Gallons	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling. Unit in thousands of gallons.

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

~~22.~~47. BAGHOUSE 351BF510 – MDAQMD PERMIT # C007494; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1000 square feet, equipped with a 20 hp fan generating 6000 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the slag storage bin and conveyors portion of the Additive storage system (T007491).

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This baghouse shall be operated concurrently with the slag storage system under T007491. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. This baghouse shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. This unit shall be equipped with a device to measure the pressure differential across the bags

(manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

PROCESS GROUP # 411: HYDRATED LIME, ACTIVATED CARBON, AND SHUTTLING SYSTEM

~~23.~~48. HYDRATED LIME SYSTEM – MDAQMD PERMIT # T011082; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
411BI201	Hydrated Lime bin	75/28	Tons/Thous Gallons	
441BL202	Blower for 411BF201			7.5
411RF202	Rotary Feeder			3
411P1201	Pneumatic Line			
411BL202	Slide Gate			
411SF201	Screw Feeder			
411RF203	Rotary Feeder			
411SG101	Slide Gate			

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. This equipment shall not be operated unless it is vented to dust collector 411BF201 under valid District permit C007409. [Rule 204; Rule 1303(A)]

~~24.~~49. BAGHOUSE 411BF201 – MDAQMD PERMIT # C007409; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 500 square feet, equipped with a 7.5 hp fan generating 1500 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the hydrated lime bin portion of the hydrated lime system (T011082).

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This baghouse shall be operated concurrently with the hydrated lime system under T011082. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); [40 CFR 63.1350(f)]
   c. Annual bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
   [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. This baghouse shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~25.~~50. ACTIVATED CARBON BIN – MDAQMD PERMIT # T012150; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
411BI301	Storage Bin	57/28	Tons/Thous Gallons	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling. Units are in 1000 gallons.

Vents to integrally attached bin vent described as follows;
Bin Vent 411BF301 Dustex model 4205-5-5 pulse jet, having 25 poly. bags, each 6" dia x 5' long, filter area 197 sq ft, rated airflow 1000 acfm at 130 degrees F for an air-to-cloth ratio 5.08:1. Stack height 62.5 ft, diam. 1.0 ft (equiv. circular diam.)

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. This equipment shall not be operated unless it is vented to integrally attached bin vent (411BF301). [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22 (10 minute reading), and USEPA Method 9 (30 minute reading) if Method 22 detects opacity. Observation frequency may be decreased as follows; when no visible emissions are observed in six consecutive monthly tests, the o/o may decrease the frequency of performance testing from

monthly to semi-annually and when no visible emissions are observed during the semi-annual test, the o/o may decrease the frequency of performance testing from semi-annually to annually. If visible emissions are observed during any semi-annual or annual test, o/o must resume performance testing on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests; [40 CFR 63.1350(f)]

c. Quarterly bag and bag suspension system inspection date and results;

d. Date of bag replacements; and,

e. Date and nature of any system repairs including date, time, and duration of each malfunction that causes this equipment to fail to meet opacity limit and corrective action taken to return equipment to compliance with opacity limit. [63.1355(g)].

[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This equipment is subject to and shall comply with all applicable requirements of 40 CFR Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than 10 percent opacity. [40 CFR 63.1345; Rule 401]

6. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

7. The bin vent shall discharge no more than 0.15 pounds per hour of PM10 at a maximum concentration of 0.008 grains/dscf at the operating conditions given in the above description . This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

8. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

9. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~26.~~51. ACTIVATED CARBON INJECTION SYSTEM (MERCURY CONTROL) – MDAQMD PERMIT # B012151; consisting of :

Equipment No.	Equipment	Capacity	Capac. Units	HP
411RF301	PAC Rotary Feeder			1
411RF302	PAC Rotary Feeder			1
411SG301	Slide Gate			0
411SG302	Slide Gate			0
411SF301	PAC Screw Feeder			1
411SF302	PAC Screw Feeder			1
411BL301	Pneumatic Conveying Blower			10
411BL302	Pneumatic Conveying Blower			10
411PI301	Pneumatic Line			0
411SG301	Slide Gate			0

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. This equipment shall not be operated unless it is vented (via activated carbon storage bin) to integrally attached bin vent (411BF301). [Rule 204; Rule 1303(A)]

~~27.~~52. INTERMEDIATE STORAGE BIN – MDAQMD PERMIT # T012146; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
411BI301	Storage Bin	57/28	Tons/Thous Gallons	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.
Units are in 1000 gallons.

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. This equipment shall not be operated unless it is vented to baghouse under valid permit C012148 (411BF201). [Rule 204; Rule 1303(A)]

~~28.~~53. BAGHOUSE, INTERMEDIATE STORAGE BIN 341BF301 Permit C012148; consisting of: Aeropulse model BV-42(6)-12-N pulse jet type dust collector, having 42 polyester bags, each 6" dia x 12' long, total filter area 792 sqft, 10 hp exhaust fan rated airflow 3000 acfm at 180 degrees Fahrenheit for an air-to-cloth ratio 3.79:1. Stack height 47.2 ft, diameter 1.3 ft.

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. This baghouse shall be operated concurrently with the intermediate storage bin under T012146. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22 (10 minute reading), and USEPA Method 9 (30 minute reading) if Method 22 detects opacity. Observation frequency may be decreased as follows; when no visible emissions are observed in six consecutive monthly tests, the o/o may decrease the frequency of performance testing from monthly to semi-annually and when no visible emissions are observed during the semi-annual test, the o/o may decrease the frequency of performance testing from semi-annually to annually. If visible emissions are observed during any semi-annual or annual test, o/o must resume performance testing on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests; [40 CFR 63.1350(f)]
   c. Annual bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs including date, time, and duration of each malfunction that causes this equipment to fail to meet opacity limit and corrective action taken to return equipment to compliance with opacity limit. [40 CFR 63.1355(g)].
   [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This equipment is subject to and shall comply with all applicable requirements of 40 CFR Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than 10 percent opacity. [40 CFR 63.1345; Rule 401]

6. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

7. This baghouse shall discharge no more than 0.15 pounds per hour of PM10 at a maximum concentration of 0.008 grains/dscf at the operating conditions given in the above description. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

8. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

9. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

PROCESS GROUP #331, 421, 431 AND 441: PREHEATER, KILN & COOLER SYSTEM

~~29.~~54. PREHEATER AND KILN – MDAQMD PERMIT # B007435; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
331FN400	Fan for Baghouse 331BF101	627,000	ACFM	3000
421STR101	Preheater			
421CL400	Calciner			
431KL100	Rotary Kiln			
	Kiln I.D. Fan			5500
	Kiln Motors			650 (x2)
441CC100	Polytrack clinker cooler			
441ACFN101	Fan for 441BF101	4,000	ACFM	20
441BFFN590	Fan for 441BF550	356,000	ACFM	1500
441HE500	Clinker cooler heat exchanger outlet	330,000	ACFM	
441CR400	Clinker breaker			

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator (o/o) shall install, operate and maintain this equipment in strict accord with the recommendations of the manufacturer/supplier. [Rule 204]

2. This equipment shall not be operated unless vented to baghouses 331BF101, 441BF101, 441BF550 under valid District permits C007411, C007406 and C007412. [Rule 204; Rule 1303(A)]

3. Emissions from this equipment shall not exceed the following limits at any firing rate, without regard to the nature of fuel or fuel combination charged. Compliance with these emissions limits shall be determined by using CEMS and clinker production data (TSP and PM_{10} emission limit compliance shall be determined by using annual source test results and clinker production data) and calculating an arithmetic averaged of the previous 30 operating days (operating day is defined as any 24-hour period beginning at midnight in which any combustion of fuel and/or introduction of feedstock into the kiln occurs):
   a. Kiln Exhaust:
      i. NOx - 2.45 lb/ton of clinker and 16,800 pounds per day
      ii. SOx - 0.13 lb/ton of clinker and 780 pounds per day
      iii. CO - 1.5 lb/ton of clinker and 9000 pounds per day
      iv. VOC - 0.06 lb/ton of clinker and 360 pounds per day
      v. PM_{10} - 0.106 lb/ton of clinker and 636 pounds per day
   b. Clinker Cooler Exhaust:
      i. TSP (front half only) - 0.099 lb/ton of clinker and 595 pounds per day

ii. PM_{10} (front and back half) - 0.084 lb/ton of clinker and 504 pounds per day

4. Pounds per ton of clinker emission limits for NOx, SOx, CO and VOC shall not apply during startup, shutdown, during the first 36 hours of operation following startup, or during the 36 hours immediately preceding shutdown. [Rule 1161]

5. The o/o shall install and maintain a Continuous Emissions System (CEMS) for CO, NOx, SOx and VOC (as propane) as well as gaseous O2 on the kiln exhaust, a Continuous Emission Rate Monitoring System (CERMS) on the kiln exhaust, and a Continuous Parametric Monitoring System (CPMS) on the kiln exhaust. [Rule 1203; Rule 1303(A); 40 CFR 63 Subpart LLL; Rule 401]

6. The District requires an approved quality assurance program for the continuous monitoring systems. This program shall be in strict accord with 40 CFR 60 Appendix F and shall include all monitoring pollutants, gases and parameters. Continuous monitoring systems shall meet the following acceptability testing requirements from 40 CFR 60 Appendix B:
A. For SO2 and NOx CEMS - Performance Specification 2
B. For O2 CEMS - Performance Specification 3
C. For CO CEMS - Performance Specification 4
D. For CERMS (stack gas flow rate) - Performance Specification 6
E. For VOC CEMS - Acceptability testing shall be performed per a District approved procedure that is to be submitted by the o/o.

7. The o/o shall submit to the APCO and USEPA Region IX the following information for the preceding calendar quarter by January 30, April 30, July 30 and October 30 of each year this permit is in effect (after first fire of fuel). Each January 30 submittal shall include a summary of the reported information for the previous year. This information shall be maintained on-site for a minimum of five years and shall be provided to District, State or Federal personnel on request:
a. Daily and rolling 30 day average kiln and clinker cooler CO, NOx, SOx, and VOC (C3H8) emissions (in pounds and pounds per ton of clinker);
b. Daily and rolling 30 day average clinker production (in tons);
c. Type and amount of each fuel used (tons for coal, thousands of cubic feet for gas) on a daily basis;
d. a log of all excess emissions, including the information regarding malfunctions/breakdowns as required by Rule 430;
e. Any permanent changes made in the plant process or production which would affect air pollutant emissions, and indicate when such changes were made; and,
f. Any maintenance to any air pollutant control system (recorded on an as-performed basis).

8. Within 90 days of achieving 90% of the design mass of clinker production rate with this kiln, the o/o shall shut down all other permitted kilns at this facility and surrender their operating permits.

9. Within 180 days of initial start-up of this equipment, the o/o shall conduct emissions measurements on the effluent gases of this equipment. The testing shall follow the District's Compliance Testing Procedural Manual. This manual requires a pre-test meeting with the o/o, the testing firm selected by the o/o and District personnel. This meeting shall decide the salient

features of accepted testing methods and deviations there from. Once agreement to methods and any necessary deviations have been agreed upon by all parties, the o/o shall submit a written protocol. After the District accepts the protocol with modifications, testing may begin. The District requires a minimum of 10 days notice prior to the testing, so that observers may be scheduled for the District. Within 45 days subsequent to the last day of on-site measurement and/or samples collections, the o/o shall submit a final report to the District. The written protocol and final report requirements are spelled out in the manual. Parameters to be measured are as follow: NOx, SOx, CO, VOC, PM and PM10, Pb, Cr, Ni, HCl, H2O, O2, N2 and CO2.

10. Placement of sampling ports, their number and material of construction as well as access to them shall be approved by the District, pursuant to District rule 217. The District shall also approve any utilities which may be necessary for any and all sample collections and measurements required for compliance demonstrations.

11. The o/o shall notify the District no less than 30 days prior to each of the following:
A. commencement of construction of this permit unit;
B. completion of construction of this permit unit;
C. start-up of permit unit for shake down purposes; and
D. commencement of permit unit for production.

12. Visible Emissions from the kiln, shall not exceed 20% opacity and VE from the clinker cooler shall not exceed 10% opacity. Daily 30 minute EPA Method 9 will be conducted when the Particulate Monitoring System malfunctions and the kiln and clinker cooler are operating.

13. Fuel to the kiln system may include coal, coke, natural gas, and other alternate fuels as specified below. Alternate fuels can only include fuels which can be characterized as non-hazardous secondary materials (NHSMs) following the provisions of 40 CFR 241 Subpart B. All emission limitations specified in these conditions apply irrespective of fuel or fuel mixture. This equipment may be fired with alternate fuels per the specifications listed below:
a) Bags from baghouses at this facility.
b) Tire Derived Fuel (TDF), specifically, any combination of whole tires, chipped tires, or separated portions of tires.
c) Biosolids;
d) Biomass fuels (including, but not limited to, pistachio shells, almond shells, yard clippings, and Construction and Demolition (C&D) wood meeting the definition of 40 CFR 241.2). Compliance with the non-hazardous C&D requirement shall be evidenced by suppliers' written certification that the C&D wood was processed by trained operators in accordance with best management practices (as described in 40 CFR 241.4(a)(5)).
e) Paper cardboard
f) Engineered fuel

A source test is required for each alternate fuel to ensure continued compliance with 40 CFR 63 Subpart LLL and to quantify the toxic emission effects of each listed toxic pollutants pursuant to the AB2588 Hot Spots EICG Regulation of each alternate fuel or process. A subsequent permit modification may be necessary to define the fuel parameters for continued use of each fuel. This source test, as required under condition 14, is required prior to the introduction of 30,000 short

tons for each fuel.
[District Rule 1302; 40 CFR 63.1348(c)]

14. Source testing requirements regarding the use and effects of alternate fuels are summarized as follows:
a) For engineered fuels, pursuant to 40 CFR 63 Subpart LLL, the owner/operator shall conduct a dioxin/furan test (and HCl per 40 CFR 63 Subpart LLL when HCl emissions are not continuously monitored), using EPA Method 23 and following a District-approved test protocol, inputted at the maximum allowable rate of engineered fuel.
b) For all other alternate fuels, the owner/operator shall evaluate and report to the District the air toxic emission rates for each alternate fuel, using test requirements specified in 40 CFR 63 Subpart LLL and/or CARB/EPA reference methods, and following a District-approved test protocol, inputted at the maximum feed rate of each alternate fuel. Air toxic pollutants tested shall follow those listed by the AB2588 EICG Regulation for cement manufacturing.
c) If the results of the toxics emissions assessment pursuant to item "b" above indicate that there is no increase in toxic emissions, then no additional testing will be required other than annual RATA and performance tests required by 40 CFR 63 Subpart LLL.
d) If the results of the source test indicate that there is an increase in toxic emissions associated with the alternate fuel, the owner operator shall conduct a Prioritization Score analysis pursuant to most recently approved CAPCOA Facility Prioritization Guidelines; the most recently approved OEHHA Unit Risk Factor for cancer potency factors; and the most recently approved OEHHA Reference Exposure Levels for non-cancer acute factors, and non-cancer chronic factors. If all Prioritization Scores indicate that the Kiln is categorized as Low or Intermediate Priority, no further testing or analysis is required for the distinct fuel. If the Prioritization Scores indicate that the Kiln is categorized High Priority, the facility shall conduct a Health Risk Assessment pursuant to District Rule 1320 - NSR for Toxic Air Contaminants and adhere to the requirements and procedures of District Rule 1320 pending the results of the Health Risk Assessment.
[District Rule 1302; 40 CFR 63 Subpart LLL]

~~30.~~55. BAGHOUSE 331BF101 – MDAQMD PERMIT # C007411; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 125,400 square feet, equipped with a 3000 hp fan generating 627,000 cfm of flow at 307 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the kiln exhaust (B007435) and the raw mill (B007439).

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This baghouse shall operate concurrently with the kiln (B007435) and/or the raw grinding system (B007439). [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information,

which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Daily baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary) or Continuous Parametric Monitoring System data in accordance with 40 CFR 63.1350; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 401; Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent (40 CFR 63.1343), unless kiln is not operational (no fuel or feed) and solely accepting exhaust from the raw mill in which case the opacity limit is ten percent opacity. [40 CFR 63.1347]

6. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

7. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

8. Within 180 days from the initial start-up of this unit, the o/o shall conduct emissions testing in strict accord with all procedures described in the MDAQMD Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final day of on-site sampling/measurements.

~~31.~~56. BAGHOUSE 441-BF-101 – MDAQMD PERMIT # C007406; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 800 square feet, equipped with a 20 hp fan generating 4000 cfm of flow at 300 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the clinker conveyor portion of the clinker handling system (B007434).

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

9. This baghouse shall be operated concurrently with the clinker handling system under B007434. [Rule 204; Rule 1303(A)]

~~32.~~57. BAGHOUSE 441BF550 – MDAQMD PERMIT # C007412; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 71,200 square feet, equipped with a 1500 hp fan generating 356,000 cfm of flow at 275 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the clinker cooler (B007435).

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

9. This baghouse shall operate concurrently with the clinker cooler (B007435). [Rule 204; Rule 1303(A)]

10. Within 180 days from the initial start-up of this unit, the o/o shall conduct emissions testing in strict accord with all procedures described in the MDAQMD Compliance Test Procedural Manual. This testing is necessary to demonstrate compliance with permit conditions above and District Rules 404 and 405. The District shall be notified no less than 10 working days prior to the test and receive the final test report of emissions no later than 45 days subsequent to the final

day of on-site sampling/measurements.

PROCESS GROUP # 441: MATERIAL HANDLING

~~33.~~58. MATERIAL HANDLING – MDAQMD PERMIT # B007434; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
422BIN101	Material Handling Bin			
422BIN102	Material Handling Bin			
422BC	Four Belt Conveyors (5 hp each)			200
422EV	Material Elevator			50
	Ancillary Equipment			365

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

PROCESS GROUP # 461: COAL & COKE GRINDING SYSTEM

~~34.~~59. COAL & COKE GRINDING AND TRANSFER TO KILN – MDAQMD PERMIT# B007481; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
461MILL100	Coal roller mill			750
461FN200	Coal mill fan	35,000	ACFM	100
461BFFN460	Fan for 461BF400	52,150	ACFM	400
461BI600	Pulverized coal bin			
	Coal Reject Diverter Gate			
461BFFN610	Fan for 461BF610	800	ACFM	3
461BFFN030	Fan for 461BF030	8,000	ACFM	25

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

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1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. As applicable, these baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart Y-Standards for of Performance for Coal Preparation Plants [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; 40 CFR Part 60 subpart Y; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~35.~~60. BAGHOUSE 461BF400 – MDAQMD PERMIT # C007495; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 10,430 square feet, equipped with a 400 hp fan generating 52,150 cfm of flow at 167 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the coal mill portion of the coal grinding system (B007481).

1. This baghouse shall be operated concurrently with the coal grinding system under B007481. [Rule 204; Rule 1303(A)]

~~36.~~61. BAGHOUSE 461BF~~FN~~610 – MDAQMD PERMIT # C007482; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 160 square feet, equipped with a 3 hp fan generating 800 cfm of flow at 167 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the pulverized coal bin portion of the coal grinding system

(T007~~481~~508).

1. This baghouse shall be operated concurrently with the coal grinding system under B007481. [Rule 204; Rule 1303(A)]

~~37.~~62. BAGHOUSE 461BF030 – MDAQMD PERMIT # C0~~0~~10335; consisting of:
a Pulsejet baghouse with 100 16 ounce polyester felt bags whose total filter area is 1904.5 square feet, equipped with a 25 hp fan generating 8000 cfm of flow at 110 degrees Fahrenheit (for an air to cloth ratio of 4.2:1). This unit serves coal bin 231BI010 under T007508.

1. This baghouse shall be operated concurrently with coal storage bin 231BI010 under District permit T007508. [Rule 204; Rule 1303(A)]

PROCESS GROUP # 511: CLINKER STORAGE & TRANSFER SYSTEM

~~38.~~63. MAIN CLINKER STORAGE – MDAQMD PERMIT # T007453; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
511STRDM101	Clinker dome	110,000/14,693	Tons/Gallons	
511BFFN102	Fan for 551BF102	21,500	ACFM	100
511STRDM102	Clinker dome	30,000/4,007	Tons/Gallons	
511BI101	Blend Clinker Bin Clinker Loadout Spout	1,850/247	Tons/Gallons	
511BFFN104	Fan for 551BF104	6,000	ACFM	25
511BFFN103	Fan for 551BF103	8,000	ACFM	40

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling. Gallons are in thousands.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to

monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results, annual inspections for 511BF102;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~39.~~64. BAGHOUSE 511BF102 – MDAQMD PERMIT # C007413; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 4000 square feet, equipped with a 100 hp fan generating 21,500 cfm of flow at 220 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the clinker dome 511STRDM101 portion of the main clinker storage system (T007453).

1. This baghouse shall be operated concurrently with the clinker storage system under T007453. [Rule 204; Rule 1303(A)]

~~40.~~65. BAGHOUSE 511BF104 – MDAQMD PERMIT # C007419; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1200 square feet, equipped with a 25 hp fan generating 6000 cfm of flow at 300 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the clinker dome 511STRDM102 portion of the clinker storage and transfer system (T007453).

1. This baghouse shall be operated concurrently with the clinker storage system under T007453. [Rule 204; Rule 1303(A)]

~~41.~~66. BAGHOUSE 511BF103 – MDAQMD PERMIT # C007417; consisting of:

a pulse jet baghouse with polyester felt bags whose total filter area is 1600 square feet, equipped with a 40 hp fan generating 8000 cfm of flow at 300 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the blend clinker bin portion of the clinker storage and transfer system (T007453).

1. This baghouse shall be operated concurrently with the clinker storage system under T007453. [Rule 204; Rule 1303(A)]

~~42.~~67. CLINKER HANDLING AND TRANSFER CLINKER TO FINISH MILL BINS – MDAQMD PERMIT #B007457; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
511DOHERE101	Clinker Reclaimer			
551BFFN101	Fan for 511BF101	8,000	ACFM	40
551BFFN105	Fan for 511BF105	6,000	ACFM	25
511BFFN106	Fan for 511BF106	7,000	ACFM	30
511BFFN107	Fan for 511BF107	4,000	ACFM	20

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results; (Annual bag and bag suspension system inspection date and results for C007415 [511BF101])
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement

Manufacturing Industry. [40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~43.~~68. BAGHOUSE 511BF101 – MDAQMD PERMIT # C007415; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1600 square feet, equipped with a 40 hp fan generating 8000 cfm of flow at 300 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the offspec clinker truck loadout spout, weigh feeder and clinker Aumond conveyor 511AC101 portion of the clinker storage and transfer system (B007457).

1. This baghouse shall be operated concurrently with the clinker storage and transfer system under B007457. [Rule 204; Rule 1303(A)]

~~44.~~69. BAGHOUSE 511BF105 – MDAQMD PERMIT # C007416; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1200 square feet, equipped with a 25 hp fan generating 6000 cfm of flow at 300 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the clinker Aumond conveyor 511AC103 portion of the clinker storage and transfer system (B007457).

1. This baghouse shall be operated concurrently with the clinker storage and transfer system under B007457. [Rule 204; Rule 1303(A)]

~~45.~~70. BAGHOUSE 511BF106 – MDAQMD PERMIT # C007414; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1400 square feet, equipped with a 30 hp fan generating 7000 cfm of flow at 300 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the clinker belt conveyors 511BC101, 511BC102~~,~~ and clinker feed bin portions (511-FB-100) of the clinker storage and transfer system (B007457 and B010466).

1. This baghouse shall be operated concurrently with the clinker storage and transfer system under B007457. [Rule 204; Rule 1303(A)]

~~46.~~71. BAGHOUSE 511BF107 – MDAQMD PERMIT # C007448; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 800 square feet, equipped with a 20 hp fan generating 4000 cfm of flow at 300 degrees Fahrenheit (for an air to cloth ratio

of 5.0:1). This unit serves the finish mill clinker feed bin portion of the clinker storage and transfer system (B007457).

1. This baghouse shall be operated concurrently with the clinker storage and transfer system under B007457. [Rule 204; Rule 1303(A)]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

~~47.~~72. CLINKER LOADOUT STORAGE – MDAQMD PERMIT # T004598; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
511BF061	Fan for 511BF061	4,000	ACFM	15
511BI807	Clinker Loadout Bin	10,714/80	Cu.ft./Gallons	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.
Gallons in thousands.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~48.~~73. BAGHOUSE 511-BF-061– MDAQMD PERMIT # C004599; consisting of:
a Hokosowa Micropul, model No. 64S-10-20 (C style) baghouse with 64 polyester felt 4.5" D by 10' L bags whose total filter area is 754 square feet, equipped with a 15 hp fan generating 4000 cfm of flow at 110 degrees Fahrenheit (for an air to cloth ratio of 5.3:1). This unit serves the conveyor transfer point and truck loadout portion of the clinker loadout storage system under T004598.

1. This baghouse shall be operated concurrently with the clinker loadout storage system under T004598. [Rule 204; Rule 1303(A)]

~~49.~~74. CLINKER LOADOUT STORAGE – MDAQMD PERMIT # B000197; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
511BF051	Fan for 511BF051	2,110	DSCFM	15kW
511BF054	Fan for 511BF054	3,130	ACFM	10

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]

c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

7. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~50.~~75. BAGHOUSE 511BF054 – MDAQMD PERMIT # C000198; consisting of:
a Nor-Blo Model 156A-10 pulse jet baghouse with polyester felt bags whose total filter area is 447 square feet, equipped with a 10 hp fan generating 3130 cfm of flow at 120 degrees Fahrenheit (for an air to cloth ratio of 7.0:1). This unit serves the clinker and gypsum transfer system portion of the clinker transfer system (B000197).

1. This baghouse shall be operated concurrently with the clinker transfer system under B000197. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than a maximum concentration of 0.01 gr/dscf at the operating conditions given in the above description. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [District Rule 404]

~~51.~~76. BAGHOUSE 511BF051 – MDAQMD PERMIT # C001708; consisting of:
a Scheuch Model skdt08/18-1.6-01 pulse jet baghouse with polyester felt bags whose total filter area is 779 square feet, equipped with a 15 kW fan generating 4,002 acfm (2,110 dscfm of flow at 400 degrees Fahrenheit) (for an air to cloth ratio of 5.14:1, based on actual flow rates). This unit serves the clinker transfer portion of the clinker transfer system (B000197).

1. This baghouse shall be operated concurrently with the clinker transfer system under B000197 and the equipment listed as “551” under B012999. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.05 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This

equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 404]

~~52.~~77. FINISH MILL #1 STORAGE & FEED BINS – MDAQMD PERMIT # T007461; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units
511BI102	Clinker Storage Bin	550/91	Tons/Thous Gallons
511BI103	Limestone/Material Feed Bin	1700/282	Tons/Thous Gallons
511BI104	Gypsum Feed Bin	2000/319	Tons/Thous Gallons
511BI105	Auxiliary Finish Mill Clinker Bin	115/15	Tons/Thous Gallons

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling. Gallons in thousands. 511BI102 vents to 511BF107; 511BI103 vents to 471BF202; 511BI104 vents to 471BF202; 511BI105 vents to 511BF108.

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. The equipment described shall not operate unless vented to baghouses under valid District permits C012149 (511BF108), C007488 (511BF107), and C007497 (471BF202). [Rule 204; Rule 1303(A)]

~~53.~~78. MATERIAL CONVEYING SYSTEM – MDAQMD PERMIT # B012147; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
341SG212	Slide Gate			0
341SG211	Slide Gate			0
341SG213	Slide Gate			0
341AS201	Air Slide			0
341PP201	Pneumatic Screw Pump			30
341BL201	Pneumatic Conveying Blower			200
341PI201	Pneumatic Line			10
	Intermediate Storage Bin (T012146)			10
341SG301	Slide Gate			0
341PP301	Pneumatic Screw Pump			30
511BI105	Storage Bin			0
341BL301	Pneumatic Conveying Blower			200
341PI301	Pneumatic Line			0
521RF101	Rotary Feeder			1

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator (o/o) shall maintain this equipment in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This equipment shall not be operated unless it is vented to baghouse under valid District permit

C012149. [Rule 204; Rule 1303(A)]

~~54.~~79. BAGHOUSE, MATERIAL STORAGE BIN 511BF108– MDAQMD PERMIT # C012149; consisting of:

Aeropulse model BV-42(6)-12-N pulse jet type dust collector, having 42 polyester bags, each 6" dia x 12' long, total filter area 792 sq ft, 10 hp exhaust fan rated airflow 3000 acfm at 180 degrees Fahrenheit for an air-to-cloth ratio 3.79:1. Stack height 47.2 ft, diameter 1.3 ft.

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. This baghouse shall be operated concurrently with the material storage bin (511BI105) under T007461. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22 (10 minute reading), and USEPA Method 9 (30 minute reading) if Method 22 detects opacity. Observation frequency may be decreased as follows; when no visible emissions are observed in six consecutive monthly tests, the o/o may decrease the frequency of performance testing from monthly to semi-annually and when no visible emissions are observed during the semi-annual test, the o/o may decrease the frequency of performance testing from semi-annually to annually. If visible emissions are observed during any semi-annual or annual test, o/o must resume performance testing on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests; [40 CFR 63.1350(f)]
   c. Quarterly bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs including date, time, and duration of each malfunction that causes this equipment to fail to meet opacity limit and corrective action taken to return equipment to compliance with opacity limit. [40 CFR 63.1355(g)].
   [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This equipment is subject to and shall comply with all applicable requirements of 40 CFR Subpart LLL - National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than 10 percent opacity. [40 CFR 63.1345; Rule 401]

6. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the

first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

7. This baghouse shall discharge no more than 0.15 pounds per hour of PM10 at a maximum concentration of 0.008 grains/dscf at the operating conditions given in the above description. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

8. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

9. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

PROCESS GROUP # 521 & 471: FINISH MILL DOSING SYSTEM

~~55.~~80. FINISH MILL #1 DOSING TRANSFER SYSTEM – MDAQMD PERMIT # B007486; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
521BIWF104	Auxiliary Clinker Feeder			
521BIWF102	Gypsum Feeder			
521BIWF103	Limestone/Material Feeder			
521BIWF101	Clinker Feeder			
521FN101	Fan for 521BF101	8,000	ACFM	40

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

~~56.~~81. BAGHOUSE 521BF101 – MDAQMD PERMIT # C007410; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1600 square feet, equipped with a 40 hp fan generating 8000 cfm of flow at 220 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the belt conveyor 521BC101, weigh feeder 521BIWF101, weigh feeder 521BIWF102, and weigh feeders 521BIWF103, 521BIWF104 portions of the finish mill dosing transfer system (B007486).

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This baghouse shall be operated concurrently with the finish mill dosing system under B007486. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. This baghouse shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~57.~~82. FINISH ADDITIVES UNLOADING AND STORAGE – MDAQMD PERMIT # B007496 consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
471AF201	Material Feeder			
471BFFN201	Fan for 471BF201	4,000	ACFM	15
471BFFN202	Fan for 471BF202	8,500	ACFM	30

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]

c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~58.~~83. BAGHOUSE 471BF201 – MDAQMD PERMIT # C007418; CONSISTING OF:
a pulse jet baghouse with polyester felt bags whose total filter area is 800 square feet, equipped with a 15 hp fan generating 4000 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the additive apron feeder and additive belt conveyor portions of the finish additives unloading and storage system (B007496).

1. This baghouse shall be operated concurrently with the finish additives unloading and storage system under B007496. [Rule 204; Rule 1303(A)]

~~59.~~84. BAGHOUSE 471BF202 – MDAQMD PERMIT # C007497; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1700 square feet, equipped with a 30 hp fan generating 8500 cfm of flow at 70 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the additive apron feeder and additive belt conveyor portions of the finish additives unloading and storage system (B007496).

1. This baghouse shall be operated concurrently with the finish additives unloading and storage system under B007496. [Rule 204; Rule 1303(A)]

PROCESS GROUP # 531: FINISH MILL SYSTEM

~~60.~~85. FINISH MILL NO. 1 – MDAQMD PERMIT #B007471; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
531BM101	Finish Ball Mill			5,700x2
531BFFN102	Fan for 531BF102	2,000	ACFM	10
531ASFN300	Fan for 531BF300	55,000	ACFM	300
531BFFN103	Fan for 531BF103	3,000	ACFM	15
531SR101	Separator			
531BFFN200	Fan for 531BF200	200,000	ACFM	1,250
531CQ101	Cement cooler			
531CQ102	Cement cooler			
531BFFN104	Fan for 531BF104	2,300	ACFM	10

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. . [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at

the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~61.~~86. BAGHOUSE 531BF102 – MDAQMD PERMIT # C007474; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 400 square feet, equipped with a 10 hp fan generating 2000 cfm of flow at 220 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the belt conveyor 531BC101 and air slide 531AS103 portions of the finish mill system (B007471).

1. This baghouse shall be operated concurrently with the finish mill system under B007471. [Rule 204; Rule 1303(A)]

~~62.~~87. BAGHOUSE 531BF300 – MDAQMD PERMIT # C007475; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 11,000 square feet, equipped with a 300 hp fan generating 55,000 cfm of flow at 210 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the finish mill portion of the finish mill system (B007471).

1. This baghouse shall be operated concurrently with the finish mill system under B007471. [Rule 204; Rule 1303(A)]

~~63.~~88. BAGHOUSE 531BF103 – MDAQMD PERMIT # C007510; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 600 square feet, equipped with a 15 hp fan generating 3000 cfm of flow at 212 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the finish mill bucket elevator portion of the finish mill system (B007471).

1. This baghouse shall be operated concurrently with the finish mill system under B007471. [Rule 204; Rule 1303(A)]

~~64.~~89. BAGHOUSE 531BF200 – MDAQMD PERMIT # C007468; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 40,000 square feet, equipped with a 1250 hp fan generating 200,000 cfm of flow at 185 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the finish mill separator portion of the finish mill system (B007471).

1. This baghouse shall be operated concurrently with the finish mill system under B007471. [Rule 204; Rule 1303(A)]

~~65.~~90. BAGHOUSE 531BF104 – MDAQMD PERMIT # C007469; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 460 square feet, equipped with a 10 hp fan generating 2300 cfm of flow at 212 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the cement coolers portion of the finish mill system (B007471).

1. This baghouse shall be operated concurrently with the finish mill system under B007471. [Rule 204; Rule 1303(A)]

PROCESS GROUPS # 470 AND 550: FINISH MILL NO 2 ADDITIVE CONVEYING & STORAGE AND FEED BINS

~~66.~~91. ADDITIVE CONVEYING SYSTEM BIN – MDAQMD PERMIT # T012998 consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
472FY101	30 Ton Bin, Limestone/Gypsum	4800	Gal	

1. The owner/operator, o/o, shall install, operate and maintain the equipment described above in accord with those recommendations of the manufacturer/supplier. [Rule 204]

~~67.~~92. ADDITIVE CONVEYING SYSTEM – MDAQMD PERMIT # B012999 consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
472BC101	Feeder Belt Conveyor			20
472BC102	Belt Conveyor			30
472FN101	Fan for 472BF101	872	DSCFM	3
472BC103	Multi-Directional Belt Conveyor			7.5
551BE101	Bucket Elevator (Clinker)			155
551BC101	Belt Conveyor (Clinker)			40
561BC101	Finish Mill Feed Conveyor Belt (clinker belt)			25

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For the dust collector under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to

monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

7. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~68.~~93. BAGHOUSE 472BF101 – MDAQMD PERMIT # C013000; consisting of:
a DCL Model VMV-375 pulse jet baghouse with bonded polyester filter cartridges whose total filter area is 375 square feet, equipped with a 3 hp fan generating 1,000 acfm (872 dscfm of flow at 60 degrees Fahrenheit) (for an air to cloth ratio of 2.66:1, based on actual flow rates). This unit serves the belt conveyor 472BC102 portions of the additive conveying system (B012999).

1. This baghouse shall be operated concurrently with the belt conveyor (472BC102) associated with the conveying system under B012999. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.02 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~69.~~94. FINISH MILL #2 STORAGE & FEED BINS – MDAQMD PERMIT # T007433 consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
551BI101	Clinker Storage Bin No 1, 475 ST	76000	Gal	
561WF101	Clinker Bin No. 1 Weigh Feeder			8
551BI104	Limestone, 250 ST	40000	Gal	
561WF104	Limestone Bin Weigh Feeder			1.5
551BI102	Clinker Bin No 2, 475 ST	76160	Gal	
561WF102	Clinker Bin No. 2 Weigh Feeder			8
551BI103	Gypsum Bin, 250 ST	40000	Gal	

561WF103	Gypsum Bin Weigh Feeder			1
571BI101	Fringe Cement Bin, 300 ST	48000	Gal	
551FN101	Fan for 551BF101	2110	DSCFM	15kW
551FN102	Fan for 551BF102	2110	DSCFM	15kW
551FN103	Fan for 551BF103	2110	DSCFM	15kW
551FN104	Fan for 551BF104	2110	DSCFM	15kW
551BI105	Additive Storage Bin, 130 ST	20,260	Gal	
551FN105	Fan for 551BF105	3423	DSCFM	
551FN106	Fan for 551BF106	1711	DSCFM	

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. 551BI101 and 561WF101 shall not operate unless vented to baghouse C013001 (551BF101). 551BI102 and 561 WF102 shall not operate unless vented to baghouse C013002 (551BF102). 551BI103 and 561WF103 shall not operate unless vented to baghouse C013003 (551BF103). 551BI104 and 561WF104 shall not operate unless vented to baghouse C013004 (551BF104). 551BI105 shall not operate unless vented to baghouse C013959 (551BF105). 561WF105 shall not operate unless vented to baghouse C013960 (551BF106).~~Process equipment shall not be operated unless it is vented to its associated control equipment with valid permit C013001, C013002, C013003, C013004, C013959, and C013960.~~ [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

7. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~70.~~95. BAGHOUSE 551BF101 – MDAQMD PERMIT # C013001; consisting of:
a Scheuch Model skdt 08/18-1.6-01, pulse jet baghouse with polyester felt bags whose total filter area is 779 square feet, equipped with a 15 kW hp fan generating 4,002 acfm (2,110 dscfm of flow at 400 degrees Fahrenheit) (for an air to cloth ratio of 5.14:1, based on actual flow rates). This unit serves the following portions of the additive conveying system (B012999); bucket elevator (clinker) 551BE101, belt conveyor (clinker) 551BC101, and finish mill 2 feed conveyor belt 561BC101 as well as clinker bin no. 1 551BI101 and clinker bin no.1 weigh feeder 561WF101portion of finish mill 2 storage and feed bins (T007433).

1. This baghouse shall be operated concurrently with the equipment listed as “551” or 561BC101 under B012999 and clinker storage and feed bins No.1 (551BI101, 561WF101) under T007433. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.05 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~71.~~96. BAGHOUSE 551BF102 – MDAQMD PERMIT # C013002; consisting of:
a Scheuch Model skdt 08/18-1.6-01, pulse jet baghouse with polyester felt bags whose total filter area is 779 square feet, equipped with a 15 kW fan generating 4,002 acfm (2,110 dscfm of flow at 400 degrees Fahrenheit) (for an air to cloth ratio of 5.14:1, based on actual flow rates). This unit serves the clinker bin no. 2 551BI102 and clinker bin no.2 weigh feeder 561WF102 portion of finish mill 2 storage and feed bins (T007433).

1. This baghouse shall be operated concurrently with the clinker bin no. 2 storage and feed bins (551BI102, 561WF102) under T007433. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.05 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~72.~~97. BAGHOUSE 551BF103 – MDAQMD PERMIT # C013003; consisting of:
a Scheuch Model skdt 08/18-1.6-01, pulse jet baghouse with polyester felt bags whose total filter area is 779 square feet, equipped with a 15 kW fan generating 4,002 acfm (2,110 dscfm of flow at 400 degrees Fahrenheit) (for an air to cloth ratio of 5.14:1, based on actual flow rates). This unit serves the clinker conveying 472BC103 portion of additive conveying system under B012999 and the gypsum bin 551BI103 and gypsum bin weigh feeder 561WF103 portions of the finish mill 2 storage and feed bins (T007433).

1. This baghouse shall be operated concurrently with the equipment listed as "472" under B012999 and gypsum storage and feed bins (551BI103, 561WF103) under T007433 [Rule 204; 1303(A)]

2. This baghouse shall discharge no more than 0.05 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~73.~~98. BAGHOUSE 551BF104 – MDAQMD PERMIT # C013004; consisting of:
a Scheuch Model skdt 08/18-1.6-01, pulse jet baghouse with polyester felt bags whose total filter area is 779 square feet, equipped with a 15 kW fan generating 4,002 acfm (2,110 dscfm of flow at 400 degrees Fahrenheit) (for an air to cloth ratio of 5.14:1, based on actual flow rates). This unit serves the limestone bin 551BI104 and limestone weigh feeder 561WF104 portion of the storage and feed bins (T007433).

1. This baghouse shall be operated concurrently with the limestone storage and feed bins (551BI104, 561WF104) under T007433. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.05 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

99. BAGHOUSE 551BF105 – MDAQMD PERMIT # C013959; consisting of:
a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 4,000 acfm (3,423 dscfm of flow at 70 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the finish mill #2 additive/limestone storage silo 551BI105.

1. This baghouse shall be operated concurrently with the additive storage bin (551BI105) under T007433. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.09 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

100. BAGHOUSE 551BF106 – MDAQMD PERMIT # C013960 consisting of:
a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 2,000 acfm (1,711 dscfm of flow at 70 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the finish mill #2 additive/gypsum storage silo 551BI105 weigh feeder 561WF105.

1. This baghouse shall be operated concurrently with the weigh feeder (561WF105) under T007433. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.044 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~74.~~101. FINISH MILL #2 – MDAQMD PERMIT # B007466; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP	Control ID
From 571GR101	Grinding Aid Spray onto clinker belt (liquid)				
571AS103	Airslide from separator				571BF101
571FN101	Fan for 571BF101	2469	DSCFM		
571BM101	Ball Mill			11526	571BF300
571FN300	Fan for 571BF300	37115	DSCFM		
	Ball Mill Oil Pumps (total hp)			102	
571PU101	Grinding Aide and Tall Oil Pumps (total hp)			2.5	
571WI101	Water Spray Pumps (total hp)			15	
571CP101	Air Compressors (total hp)			200.25	
571AS101	Air Slide				
571BE101	Bucket Elevator			255	571BF102
571FN102	Fan for 571BF102	2469	DSCFM		
571BE102	Bucket Elevator			103	
571AS102	Air Slide				
341SG303	IPA Gate - Air Operated				
341BI302	IPA Screw Feeder BIN			60	
341SC302	IPA Screw			1.5	
341RF303	Rotary Feeder			0.5	
341BL302	IPA Blower			75	
571SR101	Separator (SEPOLESV-330)			500	571BF200
571FN200	Fan for 571BF200	139532	DSCFM		
571RF101	Baghouse 571BF300 Rotary Feeder			3	
571RF102	Separator Baghouse Rotary Feeder			2	
571RF103	Separator Baghouse Rotary Feeder			3	
571RF105	Baghouse 571BF103 Rotary Feeder			3	
571AS104	Separator Airslide (to cement cooler)				
621DG307, 308, & 309, 661DG010	FK Line (pneumatic line) Diverter Gates, 0.75 hp each (x6)			3	
571DG101, 102, & 103	Airslide Diverter Gates			3.5	
841SM105, 106	Samplers			2	

Equipment No.	Equipment	Capacity	Capac. Units	HP	Control ID
571CQ10	Cement Cooler			310	571BF103
571FN103	Fan for 571BF103	1852	DSCFM		
571AS105	Cement Cooler Air Slide				
571DG101,102,103	Cement Diverter Gates			4	
661PP010	Conveyor to Cement Storage Dome or Silos 5-17 & Screw Pump			300	
571BL102	Fringe Bin Aeration Blower			10	
	9 Air Slide Fans (571FN110,111,112,113,114,115,116,117,119)			56	
	Separator Oil Pumps and Cooling Fan (total hp)			5.5	
571FN120&121	2 Finish Mill Vent Fans (total hp)			6	
661CP011 & 12	Compressors (total hp)			600	
762CT400	Cooling Tower, Pumps & Fans			280	
571RF104	Fringe Bin Rotary Feeder			3	
661AS101	Air Slide				
661DG101,102	Diverter Gates			2	
661FN110	Air Slide Fan			7.5	
571FN104	Fan for 571BF104	1852	DSCFM		

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60

Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

7. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

8. The o/o shall provide sampling ports and platforms, at the exhaust of each permit unit C013007 and C013010, necessary to perform source tests required to verify compliance with District rules, regulations and permit conditions. The location of these ports and platforms shall be subject to District approval. [District Rules 404, 405, and 1303]

9. For dust collectors C013007 (571BF200) and C013010 (571BF300), the o/o shall conduct an initial emission compliance test, repeated every 60 months, relative to District Rules 404, 405, and 1303 within 90 days of initial operation of finish mill no.2. Unless otherwise specified herein, the testing shall follow the District's Compliance Testing Procedural Manual. O/o shall use the test method specified below. O/o shall notify the District 10 days prior to conducting the test. Test results must be submitted within 45 days of completion of the test.

   Compliance Test Method (PM10): CARB Test Method 5 (or equivalent method with prior District approval).

   [Rules 404; 405; 1303]

~~75.~~102. BAGHOUSE 571BF101 – MDAQMD PERMIT # C013005; consisting of:
a Scheuch Model skdt 08/18-1.6-01, pulse jet baghouse with polyester felt bags whose total filter area is 779 square feet, equipped with a 15 kw fan generating 4,002 acfm (2,469 dscfm of flow at 275 degrees Fahrenheit) (for an air to cloth ratio of 5.14:1 based on actual flow rates). This unit serves the finish mill no 2 feed conveyor belt 561BC101 and air slide from separator to ball mill 571AS103.

1. This baghouse shall be operated concurrently with finish mill no. 2 under B007466. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.06 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~76.~~103. BAGHOUSE 571BF102 – MDAQMD PERMIT # C013006; consisting of:
a Scheuch Model skdt 08/18-1.6-01, pulse jet baghouse with polyester felt bags whose total filter area is 779 square feet, equipped with a 15 kW fan generating 4,002 acfm (2,469 dscfm of flow at 275 degrees Fahrenheit) (for an air to cloth ratio of 5.14:1 based on actual flow rates). This unit serves the finish mill no. 2 bucket elevator 571BE101 and airslide 571AS101

1. This baghouse shall be operated concurrently with finish mill no. 2 under B007466. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.06 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~77.~~104. BAGHOUSE 571BF103 – MDAQMD PERMIT # C013008; consisting of:
a Scheuch Model skdt 09/14-1.6-01, pulse jet baghouse with polyester felt bags whose total filter area is 606 square feet, equipped with a 11 kW fan generating 3,002 acfm (1,852 dscfm of flow at 275 degrees Fahrenheit) (for an air to cloth ratio of 4.96:1 based on actual flow rates). This unit serves the finish mill no. 2 cement cooler 571CQ101, air slide 571AS104, and fk pump 661PP010.

1. This baghouse shall be operated concurrently with finish mill no. 2 under B007466. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.05 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~78.~~105. BAGHOUSE 571BF104 – MDAQMD PERMIT # C013009; consisting of:
a Scheuch Model skdt 08/14-1.6-01, pulse jet baghouse with polyester felt bags whose total filter area is 606 square feet, equipped with a 11 kW fan generating 3,002 acfm (1,852 dscfm of flow at 275 degrees Fahrenheit) (for an air to cloth ratio of 4.96:1 based on actual flow rates). This unit serves the finish mill no. 2 fringe cement bin (571BI101), bucket elevator (571BE102), and air slide (661AS101).

1. This baghouse shall be operated concurrently with bucket elevator (571BE102), air slide (661AS101), or when finish mill no. 2 fringe cement bin is filled (571BI101), under B007466. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.05 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~79.~~106. BAGHOUSE 571BF200 – MDAQMD PERMIT # C013007; consisting of:

a Redecam DPZ pulse jet baghouse with polyester felt bags whose total filter area is 53,260 square feet, equipped with a 1250 hp fan generating 200,000 acfm (139,532 dscfm of flow at 190 degrees Fahrenheit) (for an air to cloth ratio of 3.31 based on actual flow rates). This unit serves the finish mill no. 2 separator.

1. This baghouse shall be operated concurrently with finish mill no. 2 under B007466. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 3.59 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). [Rule 1303(A); Rule 404]

~~80.~~107. BAGHOUSE 571BF300 – MDAQMD PERMIT # C013010; consisting of:
a Redecam SPZ pulse jet baghouse with polyester felt bags whose total filter area is 12,325 square feet, equipped with a 300 hp fan generating 55,000 acfm (37,115 dscfm of flow at 212 degrees Fahrenheit) (for an air to cloth ratio of 3.34:1 based on actual flow). This unit serves the finish mill no. 2 ball mill.

1. This baghouse shall be operated concurrently with finish mill no. 2 under B007466. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.95 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). [Rule 1303(A); Rule 404]

PROCESS GROUP # 611: CEMENT STORAGE

~~81.~~108. SILO-CEMENT AND CEMENT SUPPLEMENT STORAGE (235) – MDAQMD PERMIT # T001753; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
611SL221	Cement Silo 21	2,600/412	Tons/Gallons	
611SL222	Cement Silo 22	2,800/446	Tons/Gallons	
611SL223	Cement Silo 23	3,000/480	Tons/Gallons	
611SL224	Cement and Fly Ash Silo 24	2,800/446	Tons/Gallons	
611BFFN040	Fan for 611BF040	10,000	ACFM	
611BFFN040	Fan for 611BF041	15,000	ACFM	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling. Gallons are in thousands.

1. Silos 22, 23, and 24 must not be operated unless vented to operating air pollution control equipment covered by valid District permit C007470 (611BF040), and Silo 21 must not be operated unless vented to operating air pollution control equipment covered by valid District permit C012923 (BF611BF041) [Rule 204; Rule 1303(A)]

~~82.~~109. BAGHOUSE 611BF040 – MDAQMD PERMIT # C007470; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 2000 square feet, equipped with a 30 hp fan generating 10,000 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the silos 23~~2~~ through 24 portion of the cement system (T001753).

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This baghouse shall be operated concurrently with the cement storage system under T001753. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. This baghouse shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

110. ~~97a~~. BAGHOUSE 611BF041 – MDAQMD PERMIT # C012923; consisting of:
a Mikropul Model 196(6)-12-20-TR-B pulse jet type baghouse with 196 polyester felt bags (with

MikroTex exterior finish- or equivalent), each bag measuring 6" x 12', and whose total filter area is 3,763 square feet, equipped with a 60 hp fan generating 15,000 cfm of flow (for an air to cloth ratio of 3.98:1). This unit serves silos 21 and 22 portion of the cement system (T001753).

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This baghouse shall be operated concurrently with Silo 21 of the cement storage system under T001753. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); [40 CFR 63.1350(f)]
   c. Annual bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
   [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. This baghouse shall discharge no more than 0.6 pounds per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~83.~~111. SILO – CEMENT STORAGE (232) – MDAQMD PERMIT # T001756; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
611SL105	Silo 5	2,700/430	Tons/Gallons	
611SL106	Silo 6	2,700/430	Tons/Gallons	
611SL107	Silo 7	2,700/430	Tons/Gallons	
611SL108	Silo 8	2,700/430	Tons/Gallons	
611SL109	Silo 9	2,700/430	Tons/Gallons	
611SL110	Silo 10	2,700/430	Tons/Gallons	
611SL111	Silo 11	2,700/430	Tons/Gallons	
611SL112	Silo 12	2,700/430	Tons/Gallons	
611BF016	Fan for 611BF016	5,616	ACFM	TBD~~15~~
611BF017	Fan for 611BF017	7,875	ACFM	TBD~~15~~
611BFFN050	Alleviator for silos 5-8	8,600	ACFM	20
611BFFN060	Alleviator for silos 9-12	8,600	ACFM	20

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.
Gallons in thousands.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. Permitted baghouses C010857 and C010856 shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). ~~Permitted baghouses C000219 and C001740 shall discharge no more than a maximum concentration of 0.1 grains/dscf at the operating conditions given in the above description (Rule 404)~~. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~84.~~112. BAGHOUSE 611BF016 – MDAQMD PERMIT # C000219; consisting of:
a Scheuch~~Nor-Blo~~ Model SKDT 08/14-1.6-03~~156A-10'~~ pulse jet type baghouse with 336, 4" diameter x 5.25' length polyester felt bags whose total filter area is a minimum of 1,905~~1872~~ square feet, equipped with a ~~15~~ TBD hp fan generating 4,175~~5616~~ ds-cfm of flow at 150 degrees Fahrenheit (for a minimum~~an~~ air to cloth ratio of 2.2~~3.0~~:1). This unit serves cement silos 9 through 12 of the cement storage system under T001756.

1. This baghouse shall be operated concurrently with the cement storage system under T001756. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.18 pounds per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [District Rule 1303(A)]

3. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

~~85.~~113. BAGHOUSE 611BF017 – MDAQMD PERMIT # C001740; consisting of:
a Scheuch ~~Nor-Blo~~ Model SKDT 08/14-1.6-04~~234A-15'~~ pulse jet type baghouse with 448, 4" diameter x 5.25' length polyester felt bags whose total filter area is a minimum of 2,540~~812~~ square feet, equipped with a ~~15~~ TBD hp fan generating 6002~~7875~~ ~~-~~dscfm of flow at 135 degrees Fahrenheit (for a minimum~~an~~ air to cloth ratio of 2.~~8~~36:1). This unit serves cement silos 5 through 12 of the cement storage system (T001756) and includes a 5 hp unloading screw

conveyor.

1. This baghouse shall be operated concurrently with the cement storage system under T001756. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.26 pounds per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. ~~1.~~ [District Rule 1303(A)]

3. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

~~86.~~114. BAGHOUSE 611BF050 – MDAQMD PERMIT # C010857 consisting of:
Dust Collector 611-BF-050 is a Sly CTR-Tubejet Model CTR-90-146-10 baghouse with polyester felt bags whose total filter area is 2,205 square feet, equipped with a 20 hp fan generating 8,600 cfm at 200 degrees Fahrenheit (for an air to cloth ratio of 3.9:1). This unit serves silos 5 through 8.

1. This baghouse shall be operated concurrently with the cement storage system under T001756. [Rule 204; Rule 1303(A)]

~~87.~~115. BAGHOUSE 611BF060 – MDAQMD PERMIT # C010856; consisting of:
Dust Collector 611-BF-060 is a Sly CTR-Tubejet Model CTR-90-146-10 baghouse with polyester felt bags whose total filter area is 2,205 square feet, equipped with a 20 hp fan generating 8,600 cfm at 200 degrees Fahrenheit (for an air to cloth ratio of 3.9:1). This unit serves silos 9 through 12.

1. This baghouse shall be operated concurrently with the cement storage system under T001756. [Rule 204; Rule 1303(A)]

~~88.~~116. SILO-CEMENT STORAGE – MDAQMD PERMIT # T001755; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
611SL113	Silo 13	2,460/392	Tons/Gallons	
611SL114	Silo 14	2,460/392	Tons/Gallons	
611SL115	Silo 15	2,460/392	Tons/Gallons	
611SL116	Silo 16	2,460/392	Tons/Gallons	

Equipment No.	Equipment	Capacity	Capac. Units	HP
611SL117	Silo 17	740/118	Tons/Gallons	
611BF015	Fan for 611BF015	7,875	ACFM	~~20~~TBD
611BFFN060	Alleviator for silos 13-17	8,600	ACFM	20

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.
Gallons in thousands.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. ~~Permitted baghouse C010852 shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). Permitted baghouse C001739 shall discharge no more than a maximum concentration of 0.1 grains/dscf at the operating conditions given in the above description (Rule 404). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 404]~~

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~89.~~117. BAGHOUSE 611BF015 – MDAQMD PERMIT # C001739; consisting of:
a Scheuch~~Nor-Blo~~ Model ~~234A-15'~~SKDT 08/14-1.6-04 pulse jet type baghouse with 448 , 4" diameter x 5.25 ' length polyester felt bags whose total filter area is a minimum of 2~~812~~540 square feet, equipped with a ~~20~~ TBD hp fan generating ~~7875~~6002 dscfm of flow at 135 degrees Fahrenheit (for a minimum~~an~~ air to cloth ratio of 2.8:1). This unit serves cement silos 13 through 17 of the silo cement storage system (T001755).

1. This baghouse shall be operated concurrently with the silo cement storage system under T001755. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.26 pounds per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (Rule BACT).[District Rule 1303]

3. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test.
[40 CFR 63.1349(b)(2); 40 CFR 63.7]
~~1.~~

~~90.~~118. BAGHOUSE 611BF070 – MDAQMD PERMIT # C010852; consisting of:
Dust Collector 611-BF-070 is a Sly CTR-Tubejet Model CTR-90-146-10 baghouse with polyester felt bags whose total filter area is 2,205 square feet, equipped with a 20 hp fan generating 8,600 cfm at 200 degrees Fahrenheit (for an air to cloth ratio of 3.9:1). This unit serves silos 13 through 17.

1. This baghouse shall be operated concurrently with the cement storage system under T001755. [Rule 204; Rule 1303(A)]

2. Permitted baghouse C010852 shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303; 404]

~~91.~~119. CEMENT STORAGE DOME – MDAQMD PERMIT # T007498; consisting

of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
611DM100	Cement dome	50,000/7,957	Tons/Gallons	
611BI150	Cement bin	34/5	Tons/Gallons	
621BI150	Truck loadout bin	500/131	Tons/Gallons	
611FN610	Fan for 611BF610	8,000	ACFM	30
611FN600	Fan for 611BF600	35,000	ACFM	100

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.
Gallons in thousands.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. The equipment described shall not operate unless vented to baghouses under valid District permits as follows: C007476 (611BF610) and C007420 (611BF600) shall operate when 611DM100 and 611BI150 are operating and C010338 (621BF145) shall operate when 621BI150 is operating. ~~Process equipment shall not be operated unless it is vented to its associated control equipment.~~ [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing

may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~92.~~120. BAGHOUSE 611BF610 – MDAQMD PERMIT # C007476; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 1600 square feet, equipped with a 30 hp fan generating 8,000 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves cement dome storage system (T007498).

1. This baghouse shall be operated concurrently with the silo cement storage system under T007498. [Rule 204; Rule 1303(A)]

~~93.~~121. BAGHOUSE 611BF600 – MDAQMD PERMIT # C007420; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 7000 square feet, equipped with a 100 hp fan generating 35,000 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the cement dome 611DM100 portion of the kiln feed storage system (T007498).

1. This baghouse shall be operated concurrently with the cement storage system under T007498. [Rule 204; Rule 1303(A)]

~~94.~~122. CEMENT STORAGE RAIL – MDAQMD PERMIT # T007499; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
621BI250	Rail loadout bin	100/29	Tons/Gallons	
621BI350	Rail loadout bin	100/29	Tons /Gallons	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.
Gallons in thousands.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

~~95.~~123. SILOS, CEMENT STORAGE (silos 1 through 4) – MDAQMD PERMIT # T001734; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
611SL101	Cement Storage Silo	3000/477	Tons/Thous Gallons	
611SL102	Cement Storage Silo	3000/477	Tons/Thous Gallons	

Equipment No.	Equipment	Capacity	Capac. Units	HP
611SL103	Cement Storage Silo	3000/477	Tons/Thous Gallons	
611SL104	Cement Storage Silo	3000/477	Tons/Thous Gallons	

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling. Gallons are in thousands.

1. This equipment shall not be operated unless it is vented to operating air pollution control equipment covered by valid District permit C001742 (611BF209). [Rule 204; Rule 1303(A)]

~~96.~~124. BAGHOUSE 611BF209 – MDAQMD PERMIT # C001742; consisting of:
a Mikro-Pul Model 803-8-20 pulse jet baghouse with polyester felt bags whose total filter area is 757 square feet, equipped with a 5 hp fan generating 5300 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 7:1). This unit serves the cement silos 1 through 4 portion of the cement storage system (T001734).

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This baghouse shall be operated concurrently with the cement storage system under T001734. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. This baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 404]

7. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

125. CEMENT STORAGE DOME– MDAQMD PERMIT # T013687; consisting of: one 50,000 ton (7,957,000 gal) cement storage dome fed by finish mills 1 and 2, with fill and distribution using a series of slide gates, air slides, and diverter gates and one cement storage bin.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. The cement storage dome shall not be operated unless vented to associated control equipment with District Permits C013957 and C013958. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
   c. Annual bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
   [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

7. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

8. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

126. BAGHOUSE 1, CEMENT STORAGE DOME – MDAQMD PERMIT # C013957; consisting of:

a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 35,000 acfm (24,048 dscfm of flow at 200 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the cement storage dome.

1. This baghouse shall be operated concurrently with the cement storage dome under T013687. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.90 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). [Rule 1303(A); Rule 404]

3. The owner/operator shall install, operate, calibrate and maintain a bag leak detection system (BLDS) in accordance with manufacturer's instructions to monitor and ensure baghouse performance.

4. If the owner/operator receives an alarm from the BLDS, the owner/operator shall initiate investigation within one (1) hour of discovery of the alarming incident for possible corrective action and restore baghouse performance.
[District Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

5. When the BLDS performance indicator is operating outside the indicator range, the permittee shall take corrective action to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
[District Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

6. The permittee shall conduct monthly QA checks and annual instrument set ups of the fabric filter bag leak detection system consistent with the guidance provided in EPA-454/R-98-015: U.S. EPA Fabric Filter Bag Leak Detection Guidance.

7. The owner/operator shall maintain the following for the BLDS;

a. Record of each bag leak detection system alarm, including the date and time of the alarm, the amount of time taken for corrective action to be initiated, the cause of the alarm, an explanation of the corrective actions taken, and when the cause of the alarm was corrected.
b. Indicator range (as developed by condition 6 above).
c. Inspection and maintenance records.
d. Record of each QA check and annual instrument set up.
[District Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

8. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

~~9~~5. The owner/operator shall conduct an initial compliance test, a second compliance test 24 months -after the initial compliance test, and repeated every 60 months, thereafter. The initial test must be conducted within 90 days of initial operation of the Cement Storage Dome (T013687) in accordance with CARB Method 5 (front and back half) and EPA Method 201a/202 to demonstrate compliance with the emission limits listed in each permit. The initial source test report must report particulate emissions separately for PM, PM_{10}, and $PM_{2.5}$. The second compliance test and subsequent tests must be conducted in accordance with CARB Method 5 (front and back half). The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.
[District Rules 404; 1303]

127. BAGHOUSE 2, CEMENT STORAGE BIN – MDAQMD PERMIT # C013958; consisting of:

a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 8,000 acfm (5,497 dscfm of flow at 200 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the cement storage dome.

1. This baghouse shall be operated concurrently with the cement storage bin under T013687. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.21 lb/hr PM10 at a maximum concentration of

0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

128. CEMENT SILOS #27, #28, #29, #30 – MDAQMD PERMIT # T013908

Equipment No.	Equipment	Capacity	Capac. Units	HP
671SI927	Silo 27	10,000/1,591.4	Tons/Gallons	
671SI928	Silo 28	10,000/1,591.4	Tons/Gallons	
671SI929	Silo 29	10,000/1,591.4	Tons/Gallons	
671SI930	Silo 30	10,000/1,591.4	Tons/Gallons	

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. The cement storage silos #27, #28, #29, and #30 shall not be operated unless vented to associated control equipment with District Permits C013949, C013951, C013953, and C013955. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
   c. Annual bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
   [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

7. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

8. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

9. The owner/operator shall conduct an initial compliance test, a second compliance test 24 months after the initial compliance test, and every sixty months thereafter, on two of the four baghouses listed under the following District Permits: C013949, C013951, C013953, and C013955. The initial test must be conducted within 90 days of initial operation of the Cement Silos (T013908) in accordance with CARB Method 5 (front and back half) and EPA Method 201a/202 to demonstrate compliance with the emission limits listed in each permit. The initial source test report must report particulate emissions separately for PM, PM_{10}, and $PM_{2.5}$. The second compliance test and subsequent tests must be conducted in accordance with CARB Method 5 (front and back half). The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.
[District Rules 404; 1303]

129. BAGHOUSE 1, CEMENT SILO #27 – MDAQMD PERMIT # C013949; consisting of:

a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 10,000 acfm (6,871 dscfm of flow at 200 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the cement silo #27.

1. This baghouse shall be operated concurrently with the cement silo #27 under T013908. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.26 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). [Rule 1303(A); Rule 404]

130. BAGHOUSE 3, CEMENT SILO #28 – MDAQMD PERMIT # C013951; consisting of:

a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 10,000 acfm (6,871 dscfm of flow at 200 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the cement silo #28.

1. This baghouse shall be operated concurrently with the cement silo #28 under T013908. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.26 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). [Rule 1303(A); Rule 404]

131. BAGHOUSE 5, CEMENT SILO #29 – MDAQMD PERMIT # C013953; consisting of:

a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 10,000 acfm (6,871 dscfm of flow at 200 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the cement silo #29.

1. This baghouse shall be operated concurrently with the cement silo #29 under T013908. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.26 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT. [Rule 1303(A); Rule 404]

132. BAGHOUSE 7, CEMENT SILO #30 – MDAQMD PERMIT # C013955; consisting of:

a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 10,000 acfm (6,871 dscfm of flow at 200 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the cement silo #30.

1. This baghouse shall be operated concurrently with the cement silo #30 under T013908. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.26 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). [Rule 1303(A); Rule 404]

PROCESS GROUP # 621: CEMENT LOADOUT SYSTEM

~~97.~~133. BULK CEMENT DOME AND TRUCK LOAD SYSTEM – MDAQMD PERMIT # B007483; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
621BK170	Truck load station			
621TRKLS135	Loadout spout for 621BK170			
621BK171	Truck load station			
621TRKLS136	Loadout spout for 621BK171			
621BK470	Truck load station			
621TRKLS435	Loadout spout for 621BK470			
621BK471	Truck load station			
621TRKLS436	Loadout spout for 621BK471			
621FN170	Fan for 621BF170	2,000	ACFM	5
621FN171	Fan for 621BF171	2,000	ACFM	5
621FN470	Fan for 621BF470	2,000	ACFM	5
621FN471	Fan for 621BF471	2,000	ACFM	5
621FN145	Fan for 621BF145	10,000	ACFM	30
621BI150	Cement bin (also listed under T007498)			

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling. Gallons in thousands.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This ~~Process~~ equipment shall not be operated unless it is vented to its associated control equipment under District Permits C007484, C007485, C007500, C007501, and C010338. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]

[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~98.~~134. BAGHOUSE621BF170 – MDAQMD PERMIT # C007484; consisting of:
a pulse jet baghouse with polyester felt bags (or equivalent or better) whose total filter area is a minimum 400 square feet, equipped with a 6 hp fan generating 2000 cfm of flow at 135 degrees Fahrenheit (minimum air to cloth ratio of 5.0:1). This unit serves the vent truck loadout 621BK170 portion of the cement loadout system (B007483).

1. This baghouse shall be operated concurrently with the cement loadout system under B007483. [Rule 204; Rule 1303(A)]

~~99.~~135. BAGHOUSE 621BF171 – MDAQMD PERMIT # C007485; consisting of:
a pulse jet baghouse with polyester felt bags (or equivalent or better) whose total filter area is minimum 400 square feet, equipped with a 6 hp fan generating 2000 cfm of flow at 135 degrees Fahrenheit (minimum air to cloth ratio of 5.0:1). This unit serves the truck loadout 621BK171 portion of the cement loadout system (B007483).

1. This baghouse shall be operated concurrently with the cement loadout system under B007483. [Rule 204; Rule 1303(A)]

~~100.~~136. BAGHOUSE 621BF470 – MDAQMD PERMIT # C007500; consisting of:
a pulse jet baghouse with polyester felt bags (or equivalent or better) whose total filter area is minimum 400 square feet, equipped with a 6 hp fan generating 2000 cfm of flow at 135 degrees Fahrenheit (minimum air to cloth ratio of 5.0:1). This unit serves the truck loadout 621BK470 portion of the cement loadout system (B007483).

1. This baghouse shall be operated concurrently with the cement loadout system under B007483. [Rule 204; Rule 1303(A)]

~~101.~~137. BAGHOUSE 621BF471 – MDAQMD PERMIT # C007501; consisting of:
a pulse jet baghouse with polyester felt bags (or equivalent or better) whose total filter area is a minimum 400 square feet, equipped with a 6 hp fan generating 2000 cfm of flow at 135 degrees Fahrenheit (minimum air to cloth ratio of 5.0:1). This unit serves the truck loadout 621BK471 portion of the cement loadout system (B007483).

1. This baghouse shall be operated concurrently with the cement loadout system under B007483. [Rule 204; Rule 1303(A)]

~~102.~~138. BAGHOUSE 621BF145 – MDAQMD PERMIT # C010338; consisting of:
a Pulsejet baghouse equipped with polyester felt bags (or equivalent or better) whose total filter area is a minimum 2304 ft2, equipped with a 30 hp fan generating 10,000 cfm of flow at 110 degrees Fahrenheit (minimum air to cloth ratio of 4.3:1). This unit serves the Truck Loadout System (B007483).

1. This baghouse shall be operated concurrently with the cement loadout system under B007483. [Rule 204; Rule 1303(A)]

~~103.~~139. BULK RAIL CEMENT LOADOUT SYSTEM MDAQMD PERMIT # B007505; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
621BK270	Rail loadout station			
621RRLS280	Loadout spout for 621BK270			
621BK370	Rail loadout station			
621RRLS380	Loadout spout for 621BK370			
621BFFN245	Fan for 621BF245	10,000	ACFM	30
621BFFN345	Fan for 621BF345	10,000	ACFM	30
621FN270	Fan for 621BF270	2,000	ACFM	5
621FN370	Fan for 621BF370	2,000	ACFM	5

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.
Gallons in thousands.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~104.~~140. BAGHOUSE 621BF245 – MDAQMD PERMIT # C007506; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 2000 square feet, equipped with a 30 hp fan generating 10000 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the truck loadout portion of the cement loadout rail system (B007505).

1. This baghouse shall be operated concurrently with the cement loadout rail system under B007505. [Rule 204; Rule 1303(A)]

~~105.~~141. BAGHOUSE 621BF345 – MDAQMD PERMIT # C007507; consisting of:
a pulse jet baghouse with polyester felt bags whose total filter area is 2000 square feet, equipped with a 30 hp fan generating 10,000 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 5.0:1). This unit serves the truck loadout portion of the cement loadout rail system (B007505).

1. This baghouse shall be operated concurrently with the cement loadout rail system under B007505. [Rule 204; Rule 1303(A)]

~~106.~~142. BAGHOUSE 621BF270 – MDAQMD PERMIT # C010336; consisting of:
a Pulsejet baghouse with seven polyester cartridges whose total filter area is 329 square feet, equipped with a 5 hp fan generating 2000 cfm of flow at 110 degrees Fahrenheit (for an air to cloth ratio of 6.1:1). This unit serves the Rail Loadout Station under B007505.

1. This baghouse shall be operated concurrently with the cement loadout rail system under B007505. [Rule 204; Rule 1303(A)]

~~107.~~143. BAGHOUSE 621BF370 – MDAQMD PERMIT # C010337; consisting of:
a Pulsejet baghouse with seven polyester cartridges whose total filter area is 329 square feet, equipped with a 5 hp fan generating 2000 cfm of flow at 110 degrees Fahrenheit (for an air to cloth ratio of 6.1:1). This unit serves the truck loadout spout 621BK370 under B007505.

1. This baghouse shall be operated concurrently with the cement loadout rail system under B007505. [Rule 204; Rule 1303(A)]

~~108.~~144. PACKHOUSE BULK TRUCK LOADOUT STATIONS 2 AND 3 – MDAQMD PERMIT # B000159; consisting of:
Bulk truck loadout stations served by silos 5 through 17, with ancillary equipment:

Equipment No.	Equipment	Capacity	Capac. Units	HP
613-CPV-070	FK Pump			200
613-CPV-071	FK Pump			250
613-CPV-072	FK Pump			200
613-CPV-074	FK Pump			200
613-CPU-080	Compressor			350
613-CPU-081	Compressor			200
613-CPU-082	Compressor			350
613-CPU-084	Compressor			200
	Truck Loadout Diverter Gate			
621-BFFN-010	Fan for 621-BF-010	11,200	ACFM	25
621-BFFN-007	Fan for 621-BF-007	6,790	ACFM	15
621-BFFN-009	Fan for 621-BF-009	2,830	ACFM	15
521-BFFN-008	Fan for 621_BF-008	2,830	ACFM	15

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This equipment must not be operated unless it is vented to operating air pollution control

equipment covered by all four valid District permits: C000160 (621BF010), C001771 (621BF007), C001772 (621BF009), and C001775 (621BF008). [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.01 grains/dscf ~~(except C000160, which shall discharge no more than a maximum concentration of 0.08 gr/dscf)~~ at the operating conditions given in the above description. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~109.~~145. BAGHOUSE 621BF010 – MDAQMD PERMIT # C000160; consisting of:
a Nor-Blo Model 468A-50 pulse jet baghouse with polyester felt bags whose total filter area is 5600 square feet, equipped with a 25 hp fan generating 11,200 cfm of flow at 120 degrees Fahrenheit (for an air to cloth ratio of 2.0:1). This unit serves the bulk loadout stations 2 and 3 of the cement truck loadout system (B000159).

1. This baghouse shall be operated concurrently with the cement truck loadout system under B000159. [Rule 204; Rule 1303(A)]

~~110.~~146. BAGHOUSE 621BF007 – MDAQMD PERMIT # C001771; consisting of:
a Nor-Blo Model 234A-15 pulse jet baghouse with polyester felt bags whose total filter area is 2830 square feet, equipped with a 15 hp fan generating 6790 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 2.4:1). This unit serves the bulk truck loadout stations 2 and 3 portion of the cement truck loadout system (B000159).

1. This baghouse shall be operated concurrently with the cement truck loadout system under B000159. [Rule 204; Rule 1303(A)]

~~111.~~147. BAGHOUSE 621BF009 – MDAQMD PERMIT # C001772; consisting of:
a Nor-Blo Model 234A-15 pulse jet baghouse with polyester felt bags whose total filter area is 2830 square feet, equipped with a 15 hp fan generating 6790 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 2.4:1). This unit serves the bulk truck loadout stations 2 and 3 portion of the cement truck loadout system (B000159).

1. This baghouse shall be operated concurrently with the cement truck loadout system under B000159. [Rule 204; Rule 1303(A)]

~~112.~~148. BAGHOUSE 621BF008 – MDAQMD PERMIT # C001775; consisting of:
a Nor-Blo Model 234A-15 pulse jet baghouse with polyester felt bags whose total filter area is 2830 square feet, equipped with a 15 hp fan generating 6790 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 2.4:1). This unit serves the truck loadout stations 2 and 3 portion of the cement truck loadout system (B000159).

1. This baghouse shall be operated concurrently with the cement truck loadout system under B000159. [Rule 204; Rule 1303(A)]

~~113.~~149. BULK CEMENT TRUCK LOADOUT NO. 4 – MDAQMD PERMIT # B000161; consisting of:
A drive-through cement bulk truck loadout served by silos 22 through 24, with ancillary equipment:

Equipment No.	Equipment	Capacity	Capac. Units	HP
	Loadout Cone Motor and Spout			1
611BFFN202	Fan for 611BF202	1,650	ACFM	5
613DRY173	Air Dryer Station 4			1
613ASBL210	Air Slide Blower under Silo 22			7.5
613ASBL211	Air Slide Blower under Silo 22			7.5
613CP218	Air Compressor under Silo 22			15

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. This equipment must not be operated unless it is vented to operating air pollution control equipment covered by valid District permits C001774 (611BF202). [Rule 204; Rule 1303(A)]

2. The owner/operator (o/o) shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District

Rules. [Rule 204]

3. The o/o shall maintain a log of all inspections, repairs and maintenance on this equipment and submit it to the District upon request. The log shall be kept for a minimum period of five years. [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

~~114.~~150. BAGHOUSE 611BF202 – MDAQMD PERMIT # C001774; consisting of:
a Mikro-Pul Model 255-8-20 pulse jet baghouse with polyester felt bags whose total filter area is 236 square feet, equipped with a 5 hp fan generating 1650 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 7.0:1). This unit serves the cement truck loading drive-through silos portion of the cement truck loadout system (B000161).

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This baghouse shall be operated concurrently with the cement truck loadout system under B000161. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. This baghouse shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 404]

7. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~115.~~151. CARDINAL SCALE BULK CEMENT TRUCK LOADOUT – MDAQMD PERMIT # B012929

A drive-through cement bulk truck loadout served by silo 21, with ancillary equipment:

Equipment No.	Equipment	Capacity	Capac. Units	HP
	South Loadout Spout (613LS301)			1
	North Loadout Spout (613LS302)			1
	South Loadout Baghouse (613BF301)			15
	North Loadout Baghouse (613BF302)			15
	(3) Pneumatic Air Slide, 613AS30			10
	Dual axis spout positioner (613BK301)			2
	Dual axis spout positioner (613BK302)			2
	Silo Bottom Aeration (613BL305)			40

1. This equipment must not be operated unless it is vented to operating air pollution control equipment covered by valid District permits C012927 (613BF301) and C012928 (613BF302). [Rule 204; Rule 1303]

2. The owner/operator (o/o) shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. [Rule 204]

3. The o/o shall maintain a log of all inspections, repairs and maintenance on this equipment and submit it to the District upon request. The log shall be kept for a minimum period of five years. [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

~~116.~~152. BAGHOUSE 613BF301 – MDAQMD PERMIT # C012927; consisting of:

a DCL CFM-660-770-104*D pulse jet type dust collector with 14 spun bonded polyester cartridges (or equivalent), each cartridge measuring 8" x 26", and whose total filter area is a minimum of 809 square feet, equipped with a 15 hp fan generating 3000 cfm of flow, for a minimum air to cloth ratio of 3.7:1. This unit serves the Cardinal Scale Loadout Spout (South/Rear) under permit B012929.

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This baghouse shall be operated concurrently with Cardinal Scale Loadout spout (South/Rear) under permit B012929. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. This baghouse shall discharge no more than 0.13 pounds per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~117.~~153. BAGHOUSE 613BF302 – MDAQMD PERMIT # C012928; consisting of:
a DCL CFM660-770-104*DH pulse jet type dust collector with 14 spun bonded polyester cartridges (or equivalent), each cartridge measuring 8” x 26”, and whose total filter area is 809 square feet, equipped with a 15 hp fan generating 3000 cfm of flow, for an minimum air to cloth ratio of 3.7:1. This unit serves the Cardinal Scale Loadout Spout (North/Front) under permit B012929.

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This baghouse shall be operated concurrently with Cardinal Scale Loadout spout (North/Front) under permit B012929. [Rule 204; Rule 1303(A)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. This baghouse shall discharge no more than 0.13 pounds per hour of PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~118.~~154. CEMENT RAIL LOADOUT (236) – MDAQMD PERMIT # B001901; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
611BFFN002	Fan for 611BF002	5,000	ACFM	7.5
621BFFN001	Fan for 611BF001	9,600	ACFM	25
621BE018	Bucket Elevator			30
621BFFN003	Fan for 621BF003	2,880	ACFM	7.5
621BFFN208	Fan for 621BF208	4,200	ACFM	7.5

Includes all ancillary equipment associated with this process group, including conveying, storage and material handling.

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This equipment must not be operated unless it is vented to operating air pollution control equipment covered by valid District permits C000162, C001776, C001770, C000164. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Quarterly bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. Permitted baghouse C000164 shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). Permitted baghouses C001776, C001770, and C000162 shall discharge no more than a maximum concentration of 0.0~~9~~1 grains/dscf at the operating conditions given in the above description. ~~Permitted baghouses C001770, C000162 shall discharge no more than a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (Rule 404).~~ This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~119.~~155. BAGHOUSE 611BF002 – MDAQMD PERMIT # C000162; consisting of:
a Nor-Blo Model 156A-10 pulse jet baghouse with polyester felt bags whose total filter area is 1852 square feet, equipped with a 7.5 hp fan generating 5000 cfm of flow at 135 degrees

Fahrenheit (for an air to cloth ratio of 2.7:1). This unit serves the elevator No. 1 cyclone portion of the cement packing and shipping system (B001901).

1. This baghouse shall be operated concurrently with the cement shipping system under B001901. [Rule 204; Rule 1303(A)]

~~120.~~156. BAGHOUSE 611BF001 – MDAQMD PERMIT # C001776; consisting of:
a Nor-Blo Model 5-25-99 pulse jet baghouse with polyester felt bags whose total filter area is 3200 square feet, equipped with a 25 hp fan generating 9600 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 3.0:1). This unit serves screw conveyor No. 3 and silos 1 through 4 portions of the cement shipping system (B001901).

1. This baghouse shall be operated concurrently with the cement packing and shipping system under B001901. [Rule 204; Rule 1303(A)]

~~121.~~157. BAGHOUSE 621BF003 – MDAQMD PERMIT # C001770; consisting of:
a Nor-Blo Model 80AS-5 pulse jet baghouse with polyester felt bags whose total filter area is 960 square feet, equipped with a 7.5 hp fan generating 2880 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 3.0:1). This unit serves the loadout pits A through D portion of the cement truck loadout system (B001903).

1. This baghouse shall be operated concurrently with the cement loadout system under B001901. [Rule 204; Rule 1303(A)]

~~122.~~158. BAGHOUSE 621BF208 – MDAQMD PERMIT # C000164; consisting of:
a MicroPul Model 645-8-20 pulse jet baghouse with polyester felt bags whose total filter area is 600 square feet, equipped with a 7.5 hp fan generating 4200 cfm of flow at 135 degrees Fahrenheit (for an air to cloth ratio of 7.0:1). This unit serves the cement bulk rail car station portion of the cement packing and shipping system (B001904).

1. This baghouse shall be operated concurrently with the cement shipping system under B001901. [Rule 204; Rule 1303(A)]

~~1.~~

~~123.~~159. TRUCK LOADOUT SYSTEM SILOS AND BINS – MDAQMD PERMIT # T013016; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
661SI725	Cement Silo #25 (South #1), 3000 ST	480000	Gal	
661SI726	Cement Silo #26 (North #1), 3000 ST	480000	Gal	
571FN104	Fan for 571BF104	1852	DSCFM	11kW
661FN726	Fan for 661BF726	7,086	DSCFM	22kW

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment (C013011) when pneumatically filled from the cement dome (T007498) or Finish Mill #1 cement system (B007471) or from control equipment (C013009) when filled by bucket elevator 571BE102. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These baghouses shall discharge no more than a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

7. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

8. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~124.~~160. BAGHOUSE 661BF726 – MDAQMD PERMIT # C013011; consisting of:
a Scheuch Model sfbd 05/09-d-02, pulse jet baghouse with polyester felt bags whose total filter area is 2260 square feet, equipped with a 22kW fan generating 10,000 acfm (7086 dscfm of flow at 180 degrees Fahrenheit) (for an air to cloth ratio of 4.42:1 based on actual flow rates). This unit serves the truck loadout system silo~~s and 661AS101~~ when pneumatically filled from the cement dome (T007498) or Finish Mill 1 cement system (B007471).

1. This baghouse shall be operated concurrently when the truck loadout system silos under T013016 are being filled pneumatically from the cement dome (T007498) or Finish Mill 1 (B007471)~~under T013016~~. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.30 lb/hr PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~125.~~161. TRUCK LOADOUT SYSTEM – MDAQMD PERMIT # B013017; consisting of:

Equipment No.	Equipment	Capacity	Capac. Units	HP
	SOUTH Truck Loadout System #7			
661LS751	South Loadout Spout #7			1
661AS751/661AS	Common Air Slides			
661BK751	Spout Positioner			2
661FN752,753,762,763 ,852,853,862,863	All Airslide Fans			50
661BK750,760	Silo Aeration Blowers			80
661FN751	Fan for Baghouse 661BF751	2617	DSCFM	
	NORTH Truck Loadout System #7			
661LS761	North Loadout Spout #7			1
661AS752	Common Air Slides			
661BK761	Spout Positioner			2
661FN761	Fan for Baghouse 661BF761	2617	DSCFM	
	SOUTH Truck Loadout System #8			
661LS851	South Loadout Spout #8			1
	Common Air Slides			
661BK851	Spout Positioner			2
661FN851	Fan for Baghouse 661BF851	2617	DSCFM	
	NORTH Truck Loadout System #8			
661LS861	North Loadout Spout #8			1
	Common Air Slides			
661BK861	Spout Positioner			2
661FN861	Fan for Baghouse 661BF861	2617	DSCFM	

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. Process equipment shall not be operated unless it is vented to its associated control equipment. [Rule 204; Rule 1303(A)]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and

maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
a. Weekly reading of baghouse pressure drop, date and value;
b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
c. Annual bag and bag suspension system inspection date and results;
d. Date of bag replacements; and,
e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
[40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

7. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

~~126.~~162. BAGHOUSE 661BF751 – MDAQMD PERMIT # C013012; consisting of:
a DCL CFM660-104 model pulse jet baghouse with polyester bags whose total filter area is 658 square feet, equipped with a 7.5 hp fan generating 3,000 acfm (2617 dscfm of flow at 60 degrees Fahrenheit) (for an air to cloth ratio of 4.55:1 based on actual flow rates). This unit serves the south truck loadout system #7 of the truck loadout system.

1. This baghouse shall be operated concurrently with the south truck loadout spout no.7 under B013017. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.11 lb/hr PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~127.~~163. BAGHOUSE 661BF761 – MDAQMD PERMIT # C013013; consisting of:
a DCL CFM660-104 model pulse jet baghouse with polyester bags whose total filter area is 658 square feet, equipped with a 7.5 hp fan generating 3,000 acfm (2617 dscfm of flow at 60 degrees

Fahrenheit) (for an air to cloth ratio of 4.55:1 based on actual flow rates). This unit serves the north truck loadout system #7 of the truck loadout system.

1. This baghouse shall be operated concurrently with the north truck loadout spout no.7 (661LS761) under B013017. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.11 lb/hr PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~128.~~164. BAGHOUSE 661BF851 – MDAQMD PERMIT # C013014; consisting of:
a DCL CFM660-104 model pulse jet baghouse with polyester bags whose total filter area is 658 square feet, equipped with a 7.5 hp fan generating 3,000 acfm (2617 dscfm of flow at 60 degrees Fahrenheit) (for an air to cloth ratio of 4.55:1 based on actual flow rates). This unit serves the south truck loadout system #8 of the truck loadout system.

1. This baghouse shall be operated concurrently with the truck loadout spout no.8 (661LS851) under B013017. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.11 lb/hr PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

~~129.~~165. BAGHOUSE 661BF861 – MDAQMD PERMIT # C013015; consisting of:
a DCL CFM660-104 model pulse jet baghouse with polyester bags whose total filter area is 658 square feet, equipped with a 7.5 hp fan generating 3,000 acfm (2617 dscfm of flow at 60 degrees Fahrenheit) (for an air to cloth ratio of 4.55:1 based on actual flow rates). This unit serves the north truck loadout system #8 of the truck loadout system.

1. This baghouse shall be operated concurrently with the truck loadout spout no.8 (661LS861) under B013017. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.11 lb/hr PM10 at a maximum concentration of 0.005 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

166. TRUCK LOADING STATION 9 AND 10 - MDAQMD PERMIT # B013712
A cement truck load out station, served by silos #27, #28, #29, and #30, and having two separate drive thru truck loading stations- 9 West and 10 East. Each load out station has two load out spouts which are each vented to baghouse. with ancillary equipment:

Equipment No.	Equipment	Capacity	Capac. Units	HP

10 West Loadout Spout #1 (tbd)	1
10 West Loadout Spout #2 (tbd)	1
9 East Loadout Spout #1 (tbd)	1
9 East Loadout Spout #2 (tbd)	1
10 West Loadout Baghouse #1(tbd)	15
9 East Loadout Baghouse #1(tbd)	15~~0~~
10 West Loadout Baghouse #2(tbd)	15
9 East Loadout Baghouse #2(tbd)	15~~0~~
Pneumatic Air Slides, (tbd)	10
Dual axis spout positioners (tbd)	2
Dual axis spout positioners (tbd)	2
Dual axis spout positioners (tbd)	2
Dual axis spout positioners (tbd)	2
Silo Bottom Aeration ((tbd))	40

1. The owner/operator, o/o, shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. [Rule 204]

2. This equipment must not be operated unless it is vented to operating air pollution control equipment covered by valid District permits C013950, C013952, C013954, or C013956. [Rule 204; Rule 1303]

3. For dust collectors under this permit the o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
   a. Weekly reading of baghouse pressure drop, date and value;
   b. Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary). If no visible emissions are observed for six consecutive months the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed frequency reverts to monthly until no visible emissions are observed for six consecutive months; [40 CFR 63.1350(f)]
   c. Annual bag and bag suspension system inspection date and results;
   d. Date of bag replacements; and,
   e. Date and nature of any system repairs. [40 CFR 63.1355(g)]
   [40 CFR Part 63 subpart LLL; Rule 1303(A); Rule 1203(D)(1)(d)(ii)]

4. These baghouses shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F – Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

5. These baghouses shall not discharge into the atmosphere an exhaust stream that exhibits greater

than ten percent opacity. [40 CFR 63.1345; Rule 401]

6. These units shall be equipped with a device to measure the pressure differential across the bags (manometer). [Rule 1303(A)]

7. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions. [Rule 1303(A)]

8. O/o shall conduct an opacity performance test within 180 days of placing equipment into operation in accordance with US EPA Test Method 9. The duration of the Method 9 performance test must be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if there are no individual readings greater than 10 percent opacity or there are no more than three readings of 10 percent for the first 1-hour period. For batch processes that are not run for 3-hour periods or longer, compile observations totaling 3 hours when the unit is operating. Written results of the test shall be provided to the District within 30 days of completion of the test. [40 CFR 63.1349(b)(2); 40 CFR 63.7]

167. BAGHOUSE 2, CEMENT TRUCK LOADOUT STATION 10 WEST – MDAQMD PERMIT # C013950; consisting of:

a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 3,000 acfm (2,061 dscfm of flow at 200 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the cement truck loadout.

1. This baghouse shall be operated concurrently with the truck loadout spout tbd under B013712. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.0~~6~~8 lb/hr PM10 at a maximum concentration of 0.00~~5~~3 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

168. BAGHOUSE 4, CEMENT TRUCK LOADOUT STATION 10 WEST – MDAQMD PERMIT # C013952; consisting of:

a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 3,000 acfm (2,061 dscfm of flow at 200 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the cement truck loadout.

1. This baghouse shall be operated concurrently with the truck loadout spout tbd under B013712. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.08 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

169. BAGHOUSE 6, CEMENT TRUCK LOADOUT STATION 9 EAST – MDAQMD PERMIT # C013954; consisting of:

a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 3,000 acfm (2,061 dscfm of flow at 200 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the cement truck loadout.

1. This baghouse shall be operated concurrently with the truck loadout spout tbd under B013712. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.08 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

170. BAGHOUSE 8, CEMENT TRUCK LOADOUT STATION 9 EAST – MDAQMD PERMIT # C013956; consisting of:

a TBD model pulse jet baghouse with polyester bags whose total filter area is a minimum of TBD square feet, equipped with a TBD hp fan generating 3,000 acfm (2,061 dscfm of flow at 200 degrees Fahrenheit) (for a minimum air to cloth ratio of TBD based on actual flow rates). This unit serves the cement truck loadout.

1. This baghouse shall be operated concurrently with the truck loadout spout tbd under B013712. [Rule 204; Rule 1303(A)]

2. This baghouse shall discharge no more than 0.08 lb/hr PM10 at a maximum concentration of 0.003 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. [Rule 1303(A); Rule 404]

MISCELLANEOUS EQUIPMENT

~~Equipment No.~~	~~Equipment~~	~~Capacity~~	~~Capac. Units~~	~~HP~~
	~~Gasoline Dispensing Facility~~			
~~Emergency I.C.~~	~~Cummins Generator~~		~~HP~~	~~2922~~
~~Emergency I.C.~~	~~John Deere~~		~~HP~~	~~240~~

~~State ATCM standards not Federally enforceable in this permit. In the event of conflict between these conditions and the ATCM,~~

~~the requirements of the ATCM shall govern.~~

~~130.~~171. GASOLINE DISPENSING FACILITY (NON-RETAIL) – MDAQMD PERMIT # N005096; consisting of:

Capacity	Fuel Type	Underground
5200	87U	NO
5200	Diesel	NO

.

1. The toll-free telephone number that must be posted is 1-800-635-4617. [Rule 204]

2. The owner/operator (o/o) shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least five (5) years and shall be available to the District upon request. [Rule 461]

3. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the District. [Rule 203]

C-2. *CONDITIONS APPLICABLE TO ALL GASOLINE DISPENSING FACILITIES:*

1. Owner/Operator shall not sale or supply for use within the District as a fuel for motor vehicles as defined by the Vehicle Code of the State of California, gasoline having a degree of unsaturation greater than that indicated by a Bromine Number of 30 as determined by ASTM Method D1159-66.
   [Rule 432 - *Gasoline Specifications*]

2. Owner/Operator shall not transfer, permit the transfer or provide equipment for the transfer of gasoline into or from any tank truck, trailer, or railroad tank car into the gasoline storage tank unless the transfer is made to tank equipped as required in Rule 463 or unless all of the following conditions are met:
   (a) Tank is equipped with a permanent submerged fill pipe, and
   (b) Such delivery vessel or tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board, and the facility's vapor recovery system shall be capable of recovering or processing 95% of the displaced gasoline vapors, and
   (c) All vapor return lines are connected between the tank truck, trailer, or railroad tank car and the gasoline tank, and the vapor recovery system is in operation in accordance with the manufacturer's specifications, and the delivery vehicle, including all hoses, fittings, and couplings, is maintained in a vapor-tight condition, as defined by the applicable California Air Resources Board certification and test procedures (Part II, Section B, of Title V Permit), and all equipment is operated and maintained according to the manufacturer's specifications.
   (d) Hatch openings are limited to no more than 3 minutes in duration for visual inspection, provided that pumping has been stopped for at least 3 minutes prior to opening, and the hatch is closed fully before pumping is resumed.

(e) All lines are gravity drained, in such a manner that upon disconnect no liquid spillage would be expected; and

(f) Equipment subject to this condition shall be operated and maintained, with no defects, as follows:

(i) All fill tubes are equipped with vapor-tight covers, including gaskets; and

(ii) All dry breaks have vapor-tight seals and are equipped with vapor-tight covers or dust covers; and

(iii) Coaxial fill tubes are operated so there is no obstruction of vapor passage from the storage tank back to the delivery vehicle; and

(iv) The fill tube assembly, including fill tube, fittings and gaskets, is maintained to prevent vapor leakage from any portion of the vapor recovery system; and

(v) All storage tank vapor return pipes without dry breaks are equipped with vapor-tight covers, including gaskets.

[Rule 461 - *Gasoline Transfer and Dispensing*]

3. Owner/Operator shall not transfer, or permit the transfer, or provide equipment for the transfer of gasoline from the gasoline storage tank into any motor vehicle tank of greater than 19 liters (5 gallons) capacity unless:

(a) The dispensing unit used to transfer the gasoline from the gasoline tank to the motor vehicle fuel tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board as capable of recovering 95% of the displaced gasoline vapors; and

(b) The vapor recovery system is operating in accordance with the manufacturer's specifications; and

(c) Equipment is operated and maintained with none of the following defects, pursuant to the definitions in California Administrative Code Section 94006, Subchapter 8, Chapter 1, Part III, of Title 17:

(i) Torn or cut boots;

(ii) Torn or cut face seals or face cones;

(iii) Loose or broken retractors;

(iv) Boots clamped or otherwise held in an open position;

(v) Leaking nozzles;

(vi) Loose, missing, or disconnected nozzle components, including but not limited to boots, face seals, face cones, check valve wires, diaphragm covers and latching devices;

(vii) Defective shutoff mechanisms;

(viii) Loose, missing, or disconnected vapor fuel hoses and associated components including but not limited to flow restrictors, swivels and anti-recirculation valves;

(ix) Crimped, cut, severed, or otherwise damaged vapor or fuel hoses;

(x) Missing, turned off, or otherwise not operating assist type vapor recovery systems, or any components of such systems;

(xi) Improper or non-"CARB certified" equipment or components;

(xii) Inoperative, severely malfunctioning or missing vacuum producing device;

(xiii) Inoperative, loose, missing or disconnected pressure/vacuum relief valves, vapor check valves or dry breaks.

[Rule 461 - *Gasoline Transfer and Dispensing*]

4. Vapor processing or vapor recovery system used by Owner/Operator shall comply with all safety, fire, weights and measures, and other applicable codes and/or regulations.
[Rule 461 - *Gasoline Transfer and Dispensing*]

5. Owner/Operator shall not install any new or rebuilt vapor recovery equipment unless the components and parts clearly identify by markings the certified manufacturing company and/or certified rebuilding company.
[Rule 461 - *Gasoline Transfer and Dispensing*]

6. Vapor recovery system shall be at all times maintained in accordance with the manufacturer's specifications and the State's certification.
[Rule 461 - *Gasoline Transfer and Dispensing*]

7. When problems or defects are detected and are associated with any vapor recovery, storage, delivery vessel or dispensing equipment, other than a breakdown of the central vapor incineration or processing unit, the Owner/Operator shall at the end of the cycle, as defined in Rule 461, remove the equipment from service and not use the equipment until it has been repaired, replaced or adjusted as necessary to remove the problem or defect.
[Rule 461 - *Gasoline Transfer and Dispensing*]

8. Owner/Operator shall not perform or permit the "pump-out" (bulk transfer) of gasoline from the gasoline storage tank unless such bulk transfer is performed using a vapor recovery system capable of returning the displaced vapors from the delivery vessel or other container being filled back to the gasoline storage tank. This vapor recovery is not required where the container is to be removed or filled with water for testing. For visual inspections, the requirements of Part II, Section B, condition B.3.d. are applicable.
[Rule 461 - *Gasoline Transfer and Dispensing*]

9. Owner/Operator shall not store, or allow the storage of, gasoline in the gasoline storage tank unless the tank is equipped with a permanent submerged fill pipe and a certified vapor recovery system.
[Rule 461 - *Gasoline Transfer and Dispensing*]

10. Owner/Operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461 as listed in Part II, Section B conditions. In addition, Owner/Operator shall maintain a leak inspection log containing, at a minimum, the following: inspector’s name, location and description of component type where any leak is found; date of leak detection, emission level (ppm) if applicable, and date leak is repaired. Such logs or records shall be maintained at the facility for a minimum of 5 years from the date the records were created and shall be made available to District, state or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].

[Rule 461 - *Gasoline Transfer and Dispensing*]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

11. Any violation determined by any one of the following listed *Reference Method Tests* shall constitute a violation of applicable Part II and Part III conditions:
    (a) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled, *Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems* (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, *Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks*.
    (b) Reid Vapor Pressure shall be determined in accordance with ASTM Method D 323-82.
    (c) Vapor Recovery System Efficiency for Bulk Plants shall be determined by CARB Method 202, "*Certification of Vapor Recovery Systems - Bulk Plants*".
    (d) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, "*Certification of Vapor Recovery Systems - Gasoline Terminals*".
    (e) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in "*Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations*".

    [Rule 461 - *Gasoline Transfer and Dispensing*]
    [40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
    [Rule 204 - *Permit Conditions*]

12. Compliance with the requirement of the Phase II system to be 95 % effective for the recovery of displaced vapors is considered to be demonstrated by maintaining equipment as specified in the applicable ARB Executive Order certifying the system.
    [Rule 461 - *Gasoline Transfer and Dispensing*]
    [40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
    [Rule 204 - *Permit Conditions*]

13. Owner/Operator shall maintain a daily log of product throughput for gasoline dispensing facility.
    [Rule 461 - *Gasoline Transfer and Dispensing*]
    [40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

14. Owner/Operator shall conspicuously post in the gasoline dispensing area the operating instructions, the District's toll-free telephone number for complaints and a District specified warning sign. Post the following toll-free telephone number: 1-800-635-4617.
    [Rule 461 - *Gasoline Transfer and Dispensing*]
    [40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

15. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the MDAQMD.
    [Rule 461 - *Gasoline Transfer and Dispensing*]
    [40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

~~131.~~172. DIESEL IC ENGINE, EMERGENCY GENERATOR # E009742 consisting of:

Year of Manufacture 2006. One Cummins, Diesel fired internal combustion engine, Model No. QSK60-G6 NR2 and Serial No. 75779-210, After Cooled, Turbo Charged, producing 2922 bhp with 16 cylinders at 1800 rpm while consuming a maximum of 138 gal/hr. This equipment powers a Generator.

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 60.4205; 40 CFR 60.4211; Rule 204]

2. The owner/operator (o/o) shall maintain an operations log for this unit current and on-site, either at the engine location or at an on-site location, for a minimum of two (2) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and duration of each use (in hours);
b. Reason for use (testing & maintenance, emergency, required emission testing);
c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
[Rule 204; 17 CCR 93115]

3. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.

4. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.
[17 CCR 93115; 60.4207(b); Rule 431]

5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

6. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit.

[17 CCR 93115; 40 CFR 60.4211(f)]

7. This unit is subject to and shall comply with all applicable requirements of the 17 CCR 93115-Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines. [District and State Enforceable Only] This unit is subject to and shall comply with all applicable requirements of 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

9. Diesel particulate matter will be controlled by the installation of CombiKat CBS Particulate Trap (diesel particulate filter) (CARB certified greater than or equal to 85% reduction efficiency), certified by CARB Executive Order G-02-003. **District and State Enforceable Only**

~~132.~~173. DIESEL IC ENGINE, EMERGENCY FIRE PUMP # E009750 consisting of:
Year of One John Deere, Diesel fired internal combustion engine, Model No. 6068T and Serial No. PE6068H597960, Turbo Charged, producing 240 bhp with 6 cylinders at 2350 rpm while consuming a maximum of 11 gal/hr. This equipment powers a Fire Pump.

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 60.4205; 40 CFR 60.4211; Rule 204]

2. The o/o shall maintain an operations log for this unit current and on-site, either at the engine location or at an on-site location, for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and duration of each use (in hours);
b. Reason for use (testing & maintenance, emergency, required emission testing);
c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
[[Rule 204; 17 CCR 93115]

4. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [40 CFR 60.4207]

5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

6. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour per year limit. [40 CFR

60.4211 (f); 17 CCR 93115]

7. The hour limit can be exceeded when the emergency fire assembly is driven directly by a stationary diesel fueled CI engine when operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 2006 edition or the most current edition approved by the CARB Executive Officer. [40 CFR 60.4211 (f); 17 CCR 93115(c)16]

8. This unit is subject to and shall comply with all applicable -requirements of 17 CCR 93115- the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines [District and State Enforceable Only]. This unit is subject to and shall comply with all applicable requirements of 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

~~2.~~

174. LIMESTONE CRUSHING AND SCREENING PLANT, PORTABLE,# B013685 consisting of:

a portable crushing and screening plant which can operate with an equipment arrangement that includes up to the number of pieces of equipment listed; one (1) Feed Hopper, one (1) Primary Jaw Crusher, Three (3) Deck Screen, one (1) Cone Crusher, (Up to) Fourteen (14) Conveyor Belts, and Water Spray System. This equipment may be track mounted or trailer mounted and consist of rental or CalPortland owned units and powered by portable diesel generator B013686 and/or affixed engine(s) with CARB DOORS EIN (in the case of track mounted equipment).

1. This equipment must be installed, operated, and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles to produce the minimum emissions of contaminants. Unless otherwise noted, this equipment must also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rules 1302(C)(2)(a)]

2. The owner/operator must ensure that the annual throughput does not exceed 2,246,400 tons in any 12 consecutive month period.
[District Rule 1303]

3. The owner/operator must perform monthly inspections of all wet suppression systems to verify that water is properly flowing through all discharge spray nozzles. The owner/operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if they find that water is not flowing properly, or, is not flowing at sufficient operating pressures, during inspections.
[40 CFR 60.674(b)]

4. High pressure water spray system shall be installed and operated as necessary at the receiving hopper, all conveyor points of charge and discharge, crushers, feeders, and screens to control fugitive emissions. High pressure water spray system shall be defined as a water spray system

which can be readily controlled, has an operating pressure of at least 150 psig, and produces an atomized spray to suppress airborne dust.
[District Rule 1303]

5. A pressure gauge (psi) shall be installed and maintained in the high-pressure water spray system. The pressure gauge shall be of appropriate scale and calibrated according to manufacturer specifications.
[District Rule 1303]

6. The owner/operator shall monitor and record the pressure of the high--pressure water system on a daily basis.
[District Rule 1303]

7. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits an opacity during any one hour (ten 6-minute averages) greater than the following:
(a) Twelve (12) percent opacity from all crushers, and
(b) Seven (7) percent opacity from all transfer points, screens, and fugitive emission points.
[District Rule 1302; 40 CFR Part 60, Subpart OOO]

8. A facility log must be maintained on-site for at least five (5) years and made available to District personnel upon request. This log shall contain, as a minimum:
(a) Total tons of throughput per month and per each consecutive twelve-month period;
(b) Periodic inspections of water spray system, including dates and any corrective actions taken, as required by Condition 3;
(c) Records of the initial compliance test conducted on this equipment as required by Condition 11; and,
(d) Records of daily pressure readings
[40 CFR 60.676; District Rules 204 and 1302]

9. Roadways, work areas and stockpiles must be kept wetted to control fugitive dust. Equipment to properly wet the material being processed must be maintained in operable condition, on-site, and used as necessary to assure compliance.
[District Regulation IV]

10. This equipment must be operated in compliance with all applicable requirements of 40 CFR 60, Subpart OOO: Standards of Performance for Nonmetallic Mineral Processing Plants.
[District Rule 204]

11. The owner/operator must conduct an initial compliance test per 40 CFR 60, Subpart OOO requirements, including opacity (USEPA Method 9 or equivalent) testing as applicable for each fugitive emission point (transfer point or other) associated with this equipment. The initial compliance test must be conducted within 60 days of achieving full production rate, but in no case, later than 180 days following initial startup. Compliance test shall be carried out in accordance with the test methods defined in 40 CFR 60.11, 40 CFR 60, Subpart OOO, Section 60.675, and the District Compliance Test Procedural Manual.
[40 CFR 60.672]

The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

175. DIESEL IC ENGINE, PORTABLE GENERATOR, LIMESTONE CRUSHING/SCREENING PLANT, B013686 consisting of:

EPA Tier 4F, not to exceed 437 bhp

*Engine attributes subject to change.
Engine emission rates (Tier 4 Final Offroad Standard Emission Rates)

Pollutant.	Emission Rate	Unit
CO:	2.6	gm/bhp-hr
NOx:	0.3	gm/bhp-hr
PM10:	0.014	gm/bhp-hr
PM2.5:	0.014	gm/bhp-hr
SOx:	0.005	gm/bhp-hr
VOC:	0.14	gm/bhp-hr

1. This certified Tier 4 Final diesel fired internal combustion engine shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204 and District Rule1302]

2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved for a valid business purpose within this facility or moved to another facility annually.)
[Title 17 CCR 93116.2(bb)]

3. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.
Note: Use of CARB ULSD satisfies this requirement.
[Title 17 CCR 93116.3(a)]

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Title 17 CCR 93116.4(c)(2)(A)]

5. This Tier 4 Final engine shall not exceed 437 bhp (verified by engine data plate) and 4,200 hours of operation (verified by an installed hour timer) in any consecutive 12-month period.
[District Rule 1303(b)-Offsets]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and duration of each use (in hours);
b. Location of use, to demonstrate that this equipment meets the requirements of 17 CCR 93116.2(bb);
c. Calendar year operation in terms of fuel consumption (in gallons) or total hours; and,
d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
[Title 17 CCR 93116.4(c)]

7. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
[District Rule 1302]

176. CEMENT ADDITIVE CRUSHING AND SCREENING PLANT, PORTABLE # B013855 consisting of:

a portable crushing and screening plant which can operate with an equipment arrangement that includes up to the number of pieces of equipment listed; one (1) Feed Hopper, one (1) Primary Jaw Crusher, Three (3) Deck Screen, one (1) Cone Crusher, (Up to) Fourteen (14) Conveyor Belts, and Water Spray System. This equipment may be track mounted or trailer mounted and consist of rental or CalPortland owned units and powered by portable diesel generator B013686 and/or affixed engine(s) with CARB DOORS EIN (in the case of track mounted equipment).

1. This equipment must be installed, operated, and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles to produce the minimum emissions of contaminants. Unless otherwise noted, this equipment must also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rules 1302(C)(2)(a)]

2. The owner/operator must ensure that the annual throughput does not exceed 648,000 tons in any 12 consecutive month period.
[District Rule 1303]

3. The owner/operator must perform monthly inspections of all wet suppression systems to verify that water is properly flowing through all discharge spray nozzles. The owner/operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if they find that water is not flowing properly, or, is not flowing at sufficient operating pressures, during inspections.
[40 CFR 60.674(b)]

4. High pressure water spray system shall be installed and operated as necessary at the receiving hopper, all conveyor points of charge and discharge, crushers, feeders, and screens to control fugitive emissions. High pressure water spray system shall be defined as a water spray system which can be readily controlled, has an operating pressure of at least 150 psig, and produces an atomized spray to suppress airborne dust.
[District Rule 1303]

5. A pressure gauge (psi) shall be installed and maintained in the high-pressure water spray system. The pressure gauge shall be of appropriate scale and calibrated according to manufacturer specifications.
[District Rule 1303]

6. The owner/operator shall monitor and record the pressure of the high--pressure water system on a daily basis.
[District Rule 1303]

7. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits an opacity during any one hour (ten 6-minute averages) greater than the following:
(a) Twelve (12) percent opacity from all crushers, and
(b) Seven (7) percent opacity from all transfer points, screens, and fugitive emission points.
[District Rule 1302; 40 CFR Part 60, Subpart OOO]

8. A facility log must be maintained on-site for at least five (5) years and made available to District personnel upon request. This log shall contain, as a minimum:
(a) Total tons of product produced per month and per each consecutive twelve-month period;
(b) Periodic inspections of water spray system, including dates and any corrective actions taken, as required by Condition 3;
(c) Records of the initial compliance test conducted on this equipment as required by Condition 11; and,
d) Records of daily pressure readings
[40 CFR 60.676; District Rules 204 and 1302]

9. Roadways, work areas and stockpiles must be kept wetted to control fugitive dust. Equipment to properly wet the material being processed must be maintained in operable condition, on-site, and used as necessary to assure compliance.
[District Regulation IV]

10. This equipment must be operated in compliance with all applicable requirements of 40 CFR 60, Subpart OOO: Standards of Performance for Nonmetallic Mineral Processing Plants.

[District Rule 204]

11. The owner/operator must conduct an initial compliance test per 40 CFR 60, Subpart OOO requirements, including opacity (USEPA Method 9 or equivalent) testing as applicable for each fugitive emission point (transfer point or other) associated with this equipment. The initial compliance test must be conducted within 60 days of achieving full production rate, but in no case, later than 180 days following initial startup. Compliance test shall be carried out in accordance with the test methods defined in 40 CFR 60.11, 40 CFR 60, Subpart OOO, Section 60.675, and the District Compliance Test Procedural Manual.
[40 CFR 60.672]

The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

PART IV
STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]

2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]

3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]

4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]

5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]

6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]

7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]

11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]

12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that "only" Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).
[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]

13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]

14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]

15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414. [40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.

[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]

19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]

20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]

21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]

22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

23. The permit holder shall submit an application for renewal of this Title V Permit at least six (6) months, but no earlier than eighteen (18) months, prior to the expiration date of this Federal operating permit (FOP). If an application for renewal has not been submitted and deemed complete in accordance with this deadline, the facility may not operate under the (previously valid) FOP after FOP expiration date. If the permit renewal has not been issued by FOP expiration date, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. [District Rule 1202 - *Applications*]
[40 CFR 70, Rule 1202(B)(3)(b)]

PART V
OPERATIONAL FLEXIBILITY

ALTERNATIVE OPERATING SCENARIO(S):

A. OFF PERMIT CHANGES

I. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:

A. Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and

1. The proposed change is not:

a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 1203(E)(1)(c)(i)(b)(2).]*

b. A modification under Title I of the Federal Clean Air Act; or

c. A modification subject to Regulation XIII; and *[See 1203(E)(1)(c)(i) (b)(2).]*

d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 1203(E)(1)(c)(i)(b)(1).]*

e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See 1203(E)(1)(c)(i)(b)(3).]*

II. Procedure for "Off Permit" Changes

A. If a proposed "Off Permit Change" qualifies under Part V, Section (B)(I)(A)(1) above, permittee shall implement the change as follows:

1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See 1203(E)(1)(c)(i)b.]*

2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:

a. A notification that this application is also an application for an "Off Permit" Change pursuant to this condition; and *[See 1203(E)(1)(c)(i)b.]*

b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See 1203(E)(1)(c)(i)b.]*

c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See 1203(E)(1)(c)(i)c.]*

3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(i)a.]*

B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See 1203(E)(1)(c)(i)a.*

and g.]

C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(i)f.]*

D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See 1203(E)(1)(c)(i)f.]*

III. Other Requirements:

A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.

B. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]*

[Rule 1203(E)(1)(c)]

PART VI
CONVENTIONS, ABREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR60, Standards of Performance for New Stationary Sources (NSPS)
40CFR60, Appendix F, Quality Assurance Procedures
40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40CFR61, Subpart M, National Emission Standards for Asbestos
40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO_2 Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO_2 Emissions

B. Other conventions:

1. Unless otherwise noted, a "day" shall be considered a 24 hour period from midnight to midnight (i.e., calendar day).
2. Unless otherwise noted, a "year" shall be considered a 12 month rolling sum.
3. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO_2	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power

MW(e) net	net Megawatt electrical power
NH_3	ammonia
NMOC	non-methane organic compounds
NO_x	oxides of nitrogen
NO_2	nitrogen dioxide
O_2	oxygen
pH	pH (acidity measure of solution)
PM_{10}	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO_x	oxides of sulfur
SO_2	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

APPENDIX A

Specific Applicability of Title 40 CFR 60 Subpart A [§§ 1-19], Subpart Y [§§ 250-258], Subpart OOO [§§ 670-676] and Title 40 CFR 63 Subpart A [§§ 1-16] and Subpart LLL [§§ 1340-1359]

This summary of Federal requirements is superseded by the most current applicable version when promulgated.

Title 40 CFR 60 Subpart A [§§ 1-19] General Provisions and Subpart Y [§§ 250-258] Standards of Performance for Coal Preparation and Processing Plants

§60.252(c) Limit opacity to 20% using EPA Method 9 for opacity

Title 40 CFR 60 Subpart A [§§ 1-19] General Provisions and Subpart OOO [§§670-676] Requirements for Nonmetallic Mineral Processing Plants

§60.7(a)(4) Notify the Administrator of planned changes to the operation or equipment.

§60.7(b) Keep records of the occurrence and duration of any startup, shutdown, or malfunction in operation

§60.11(c) The opacity standards set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction.

§60.11(d) At all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

§60.8 and §60.675 perform initial compliance testing within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup and at such other times as may be required by the Administrator under Section 114 of the Clean Air Act. Conduct test under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. Use EPA Method 5 or Method 17 to determine compliance with the PM standard and use EPA Method 9 to determine compliance with opacity standard.

- The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121°C (250°F), to prevent water condensation on the filter.
- For transfer points on belt conveyors and any other affected facility, including multiple storage bins with combined stack emissions, the minimum total time of observations shall be 3 hours (30 6-minute averages). The duration may be reduced from 3 hours to 1 hour if there are no individual readings greater than the opacity limit and there are no more than 3 readings greater than the opacity limit for the 1-hour period.
- For baghouses that control emissions only form an individual enclosed storage bin, the duration of the Method 9 observations shall be 1 hour (ten 6-minute averages).
- The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed. For affected

facilities using wet dust suppression for particulate matter control, the spray sometimes generates a visible mist. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

- A 30-day notice is required prior to the initial performance test. If, after 30 days notice for an initially scheduled performance test, there is a delay in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

§60.672(a)(1) and §60.672(g) limit stack particulate matter (PM) emissions to 0.022 gr/dscf for any transfer point for belt conveyors or any other affected facility, including multiple storage bins with combined stack emissions (not including baghouses that control emissions only from an individual enclosed storage bin)

§60.672(a)(2) and §60.672(g) limit stack emission opacity to 7% for any transfer point for belt conveyors or any other affected facility, including multiple storage bins with combined stack emissions

§60.672(b) limit fugitive emission opacity to 10% for any transfer point on belt conveyors or any other affected facility

§60.672(c) limit fugitive emission opacity to 15% from any crusher at which a capture system is not used.

§60.672(d) truck dumping is exempt from requirements established in Title 40 CFR 60 Subpart OOO (§60.672 (a) – (c).

§60.672(f) limit stack emission opacity to 7% for any baghouse that controls emissions from only an individual enclosed storage bin

§60.676(a) submit required information in case of equipment replacement.

§60.676(f) Submit a written report of all performance tests conducted to demonstrate compliance with the PM and opacity standards.

§60.676(h) The requirement for notification of the anticipated date of initial startup is waived.

§60.676(i) Notify the Administrator of the actual date of initial startup.

Section	Description	Riverside Applicability
NSPS Subpart A	**General Provisions (60.1--60.19)**	Yes
§60.1	Applicability	Yes
§60.2	Definitions	Yes
§60.3	Units and abbreviations	Yes
§60.4	Address	Yes
§60.5	Determination of construction or modification	Yes
§60.6	Review of plan	Yes
§60.7	§60.7(a)(1) Notification of date of construction	No
	§60.7(a)(3) Notification of date of initial startup	No
	§60.7(a)(4) Notification of planned changes	Yes
	§60.7(a)(5) Notification of CMS demonstration test	No
	§60.7(a)(6) Notification of initial opacity observation date	Yes
	§60.7(a)(7) Notification of CPMS data use in place of observations	No
	§60.7(b) Recordkeeping for start-up, shutdown, malfunction of affected unit or control device.	Yes
	§60.7(c) CEMS performance report and excess emission report	No
	§60.7(d) CEMS performance report and excess emission report format	No
	§60.7(e) CEMS performance report and excess emission report frequency	No
	§60.7(f) Keep all measurements records for 2 years.	Yes
	§60.7(g) and (h) Administrative requirements relating to notification	Yes
§60.8	Initial performance tests	Yes
§60.9	Availability of information	Yes
§60.10	State authority	Yes
§60.11	§60.11(a) Compliance with standards other than opacity	No for Subpart Y Yes for Subpart OOO
	§60.11(b) Compliance with opacity standard	Yes
	§60.11(c) Exemption during startup, shutdown & malfunction periods	Yes
	§60.11(d) Maintain proper operation at all times, including during startup, shutdown, and malfunction periods	Yes
	§60.11(e) Initial opacity observation	Yes
	§60.11(f) Specific subpart requirement governs	Yes
§60.12	Circumvention	Yes
§60.13	Monitoring requirements	No
§60.14	Modification	Yes, in case of modification
§60.15	Reconstruction	Yes, in case of reconstruction
§60.18	General control device requirement (Flares)	No

Section	Description	Riverside Applicability
§60.19	General notification and reporting requirements	Yes
NSPS Subpart Y	**Standards of Performance for Coal Preparation Plants (60.250--60.254)**	
§60.250	Applicability and designation of affected facility	Yes
§60.251	Definitions	Yes
§60.252	§60.252(a) and (b) Standards for PM	No
	§60.252(c) Standards for opacity	Yes
§60.253	Monitoring of operations	No
§60.254	§60.254(a) General testing requirement	Yes
	§60.254(b)(1) Test methods and procedures for PM	No
	§60.254(b)(2) Test methods and procedures for opacity	Yes
NSPS Subpart OOO	**STANDARDS OF PERFORMANCE FOR NONMETALLIC MINERAL PROCESSING PLANTS (60.670 – 60.676)**	
§60.670	Applicability and designation of affected facility	Yes
§60.671	Definitions	Yes
§60.672	§60.672(a) standard for PM and Opacity	Yes
	§60.672(b) opacity standard for transfer points	Yes
	§60.672(c) opacity standard for crusher	Yes
	§60.672(d) truck dumping is exempted from PM and Opacity standards	Yes
	§60.672(e) opacity standard for enclosed building	No
	§60.672(f) opacity standard for baghouse vents	Yes
	§60.672(h) visible emission standard for wet screening	No
§60.674	Pressure and flow rate monitoring requirements for wet scrubber	No
§60.675	Test method and procedures for PM and opacity	Yes
§60.676	§60.676(a) equipment replacement report	Yes
	§60.676(c) performance test and daily record keeping for wet scrubber	No
	§60.676(d) and (e) semi-annual report for wet scrubber	No
	§60.676 (f) report of all performance tests	Yes
	§60.676 (g) change in wet screening operations	No
	§60.676 (h) waiver of notification of anticipated startup date	Yes
	§60.676 (i) notification of actual startup date	Yes
	§60.676 (j) delegation of enforcement authority to a State	Yes

Title 40 CFR 63 Subpart A [§§ 1-16] General Provisions and 40 CFR Part 63 Subpart LLL [§§ 1340-1359] National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry

NESHAP Subpart LLL Requirements (after September 9, 2015, per existing regulations subject to change per Federal Register rulemaking process. If such changes to regulation are made the operator will follow applicable Subpart LLL standards as they become effective.) RCC has applied for and received an extension of compliance from certain provisions of NESHAP Subpart LLL from the District and will submit progress reports to the District in accordance with the extension of compliance (See Appendix C.)

KILN AND IN-LINE RAW MILL				
§63.1343(b)(1) Emissions must not exceed the following limits while the kiln is in normal operation:				
	PM	0.07	lb/ton clinker	
	D/F	0.2	ng/dscm (TEQ)	7 percent oxygen correction factor
	Mercury	55	lb/MM tons clinker	
	THC	24	ppmvd	7 percent oxygen correction factor
	HCl	3	ppmvd	7 percent oxygen correction factor
During startup and shutdown of the kiln, work practice standards are applicable as described in §63.1346(f) and §63.1346(g).				
§63.1346(a) The inlet temperature to the PM control device must not exceed the average temperature determined during the most recent D/F emissions performance test (with raw mill on and off, respectively).				
§63.1346(f) Until the kiln is in compliance with the mercury standard in §63.1343, the kiln must not use as a raw material or fuel any fly ash where the mercury content of the fly ash has been increased through the use of activated carbon, or any other sorbent, unless the facility can demonstrate that the use of that fly ash will not result in an increase in mercury emissions over baseline emissions.				
§63.1346(g) During startup you must use clean fuels (i.e. natural gas, propane, ultra-low sulfur diesel (ULSD), etc.) until the kiln reaches a temperature of 1200 °F. After the kiln reaches a temperature of 1200 °F the primary kiln fuel may be used. All air pollution control devices that control HAPs must be turned on and operating at the time the inlet gas stream reaches 300 °F.				
§63.1347(a) Prepare a written operations and maintenance (O&M) plan. Address periods of startup and shutdown in the plan.				
§63.1349(b)(1) Conduct an initial PM performance test using Method 5 or 5I and continuously monitor PM emissions control performance with a PM CPMS. Test at the highest load or capacity reasonably expected to occur. The kiln and the coal mill must both be tested to determine the combined emission rate of PM. Minimum 3 separate runs while raw mill is on and while raw mill is off. Minimum sample volume of 1 dscm. Establish operating limits in one of the following ways:				

	If the performance test demonstrates PM emission levels are below 75% of the emission limit, use the average PM CPMS value recorded during the test, the milliamp equivalent of zero output from your PM CPMS, and the average PM result from the performance to determine the source specific 30-day rolling average operating limit.
	If the performance test demonstrates PM emission levels are at or above 75% of the emission limit, use the average PM CPMS value recorded during the test to determine the source specific 30-day rolling average operating limit.
§63.1349(b)(3) Conduct an initial D/F performance test using Method 23 for 3 test runs. Test at the highest load or capacity reasonably expected to occur. Each test run shall be at least 3 hours and the sample volume for each test run must be at least 2.5 dscm. Continuously record temperature during each test. The average of the run average temperatures shall be included in test report and will determine the temperature limit for demonstrating compliance with the applicable D/F emission limits.	
§63.1349(b)(4) Use the THC CEMS to conduct the initial compliance test for the first 30 kiln operating days of the kiln operation after September 9, 2015. The kiln and the coal mill must both be tested to determine a kiln-specific combined THC limit. Conduct an accuracy and quality assurance evaluation for the THC CEMS prior to test. The THC span value (as propane) is 50 ppmvd and the reference method is 25A. Alternatively, a performance test may be conducted to determine the emissions of total organic HAP as described in §63.1349(b)(7).	
§63.1349(b)(5) Conduct initial compliance test using the mercury CEMS or sorbent trap monitoring system and exhaust gas flow rate data for the first 30 kiln operating days after September 9, 2015. The mercury emission rate shall be determined using Equation 10 from §63.1349(b)(5)(ii).	
§63.1349(b)(6) Conduct initial compliance test for HCl using one of the following methods:	
	If kiln is equipped with a wet scrubber, tray tower, or dry scrubber, use Method 321, unless compliance with the HCl limit is demonstrated with the use of a CEMS. Establish site specific parameter limits by using a CPMS for the control device. For a dry scrubber, measure and record the sorbent injection rate in intervals of no more than 15 minutes during the HCl test. Compute and record the 24-hour average sorbent injection rate and average sorbent injection rate for each sampling run in which the applicable emissions limit is met.
	If kiln is not equipped with a wet scrubber, tray tower, or dry scrubber, demonstrate compliance with the HCl limit using a CEMS. The initial compliance test must be based on the 30 kiln operating days that occur after September 9, 2015 in which the HCl CEMS is operated. Hourly CEMS data must be obtained.
	Alternatively, if demonstrating compliance with the HCl limit using a CEMS to monitor SO_2, establish an SO_2 operating limit equal to the highest 1 hour average recorded during the HCl stack test.
§63.1349(b)(7) If electing to demonstrate compliance with the THC limit by conducting a performance test to determine total organic HAP, use Method 320, Method 18, ASTM D6348-03, or a combination of these methods. The initial performance test must consist of three separate runs of at least 1 hour each for both raw mill on and raw mill off operations. A site-specific THC emissions limit must be established based on the calculated average of 1-minute averages using data from the THC CEMS recorded during the total organic HAP performance tests.	

	If the organic HAP performance test results in average organic HAP emission levels below 75% of 9 ppmv, use the average THC value recorded during the performance test, the total organic HAP result from the performance test, and Equations 12 through 16 from §63.1349(b)(7) to establish an operating limit.	
	If the organic HAP performance test results in average organic HAP emission levels at or above 75% of 9 ppmv, use the average THC value recorded during the performance test to establish an operating limit.	
§63.1349(b)(7)(xii) If the THC limit exceeds the site-specific emissions limit by 10% or more, as soon as possible but no later than 30 days after the exceedance, conduct an inspection and take corrective action to return the THC measurements to within the established value. Also, within 90 days of the exceedance or at the time of the periodic compliance test, whichever comes first, conduct another performance test to determine compliance with the organic HAP to verify or re-establish the site-specific emissions limit.		
§63.1349(b)(8) If electing to demonstrate compliance with the HCl emission limit by monitoring SO_2 use Method 321 to determine HCl emission rates. The initial performance test must consist of three separate runs of at least one hour each during raw mill on and raw mill off operations. Determine a site-specific SO_2 emissions limit by operating an SO_2 CEMS during each test.		
	If the HCl performance test results in average HCl emission levels below 75% of 3 ppmv, use the average SO2 value recorded during the performance test, the HCl result from the performance test, and Equations 18 through 20 from §63.1349(b)(8) to establish an operating limit.	
	If the HCl performance test results in average HCl emission levels at or above 75% of 3 ppmv, use the average SO_2 value recorded during the performance test to establish an operating limit.	
§63.1349(b)(8)(ix) If the SO_2 limit exceeds the site-specific emissions limit by 10% or more, as soon as possible but no later than 30 days after the exceedance, conduct an inspection and take corrective action to return the SO_2 CEMS measurements to within the established value. Also, within 90 days of the exceedance or at the time of the periodic compliance test, whichever comes first, conduct another performance test to determine compliance with the organic HCl limit and to verify or re-establish the site-specific emissions limit.		
§63.1349(c) Conduct performance tests for the following pollutants at the following frequencies after the initial performance test.		
	Dioxin	Every 30 months
	THC	Every 30 months
	Organic HAP	Every 30 months
	HCl w/SO_2	Every 30 months
	HCl	Every 30 months unless using CEMS
	Hg	Every 12 months
	PM	Every 12 months
§63.1349(d)(1) Submit a performance test report within 60 days after each performance test is completed.		

§63.1349(d)(2) Submit the relative accuracy test audit data and performance test data to the EPA by successfully submitting the data electronically to EPA's Central Data Exchange (CDX) by using the Electronic Reporting Tool (ERT) within 60 days after each performance test is completed.	
§63.1350(b)(1)(ii) To determine continuous compliance, use the PM CPMS output data for all periods when the process is operating and the PM CPMS is not out of control to determine a 30 day operating rolling average operating parameter (milliamps). Compare the 30 day operating rolling average operating parameter to the site-specific operating parameter limit.	
§63.1350(b)(1)(iii) For any exceedance of the established operating limit for demonstrating compliance with the PM emission limit:	
	Visually inspect the air pollution control device within 48 hours. If the air pollution control device is the cause of the exceedance, take corrective action as soon as possible to return the PM CPMS measurement to within the established operating limit.
	Conduct a PM emissions compliance test within 30 days of exceedance of the established PM CPMS operating limit.
	Verify or re-establish the PM CPMS operating limit based on the PM emissions compliance test within 45 days.
§63.1350(d) Determine hourly clinker production rates with an accuracy of ±5%.	
§63.1350(g) Install, calibrate, maintain and continuously operate a monitor to record the temperature of the exhaust gases from the kiln at the inlet to the baghouse. Calibrate all thermocouples and other temperature sensors used for determining compliance with the D/F emission limit at least once every 3 months.	
§63.1350(g)(4)&(5) Calculate the rolling three-hour average temperature using the average of 180 successive one-minute average temperatures. The calculation of the rolling three-hour average temperature must begin anew when the operating status of the raw mill is changed from on to off of from off to on.	
§63.1350(i) Install, calibrate, maintain and continuously operate a THC CEMS in accordance with Performance Specification 8 or 8A of Appendix B to 40 CFR Part 60.	
§63.1350(j) If complying with the total organic HAP emissions limits, install, calibrate, maintain and continuously operate a THC CEMS in accordance with Performance Specification 8 or 8A of Appendix B to 40 CFR Part 60.	
§63.1350(k) Install, calibrate, maintain and continuously operate a Hg CEMS in accordance with Performance Specification 12A of Appendix B to 40 CFR Part 60 or an integrated sorbent trap monitoring system in accordance with Performance Specification 12B.	
§63.1350(l) If an HCL CEMS is used, install, calibrate, maintain and continuously operate the CEMS in accordance with Performance Specification 15 of appendix B to 40 CFR Part 60. If SO_2 CEMS is used and levels increase above the 30-day rolling average SO_2 site-specific operating limit, as soon as possible but no later than 48 hours after the exceedance, conduct an inspection and take corrective action to return the SO_2 emissions to within the operating limit. Also, within 60 days of the exceedance or at the time of the annual compliance test, whichever comes first, conduct an HCl emissions compliance test to determine compliance with the HCl limit and to verify or re-establish the site-specific emissions limit.	

§63.1350(m)(4) Record the results of each inspection, calibration, and validation check of each required CPMS.	
§63.1350(m)(5)(iv) If an applicable operating limit requires the use of a flow measurement device, conduct a flow sensor calibration at least semiannually.	
§63.1350(m)(6) If an applicable operating limit requires the use of a pressure measurement device, check pressure tap pluggage daily, check gauge calibration quarterly, check transducer calibration monthly, and conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor.	
§63.1350(m)(9)(iii) If an applicable operating limit requires the use of an equipment to monitor sorbent injection rate (includes sorbent injection equipment of a dry scrubber), calibrate the device at least annually.	
§63.1350(m)(10) - (11) If electing to use a fabric filter bag leak detection system to meet 40 CFR 63 Subpart LLL requirements, install calibrate, maintain and continuously operate a BLDS for each baghouse exhaust. Initiate procedures to determine the cause of every alarm within 8 hours of the alarm and alleviate the cause of the alarm within 24 hours of the alarm.	
§63.1350(n) Install, calibrate, maintain and continuously operate a flow rate monitoring system to measure stack gas flow rate. Perform an initial relative accuracy test of the flow rate monitoring system according to Section 8.2 of Performance Specification 6 and verify the accuracy of the flow rate monitoring system at least once per year by repeating the relative accuracy test.	
§63.1350(p) Develop a site-specific monitoring plan for each CMS which is used to meet emission limits established by 40 CFR 63 Subpart LLL.	
§63.1353(b)(2) & §63.9(e) Notify administrator of performance test at least 60 calendar days before scheduled test date.	
§63.1353(b)(4) & §63.9(g) Notification of the date that a continuous emission monitor performance evaluation is scheduled to begin.	
§63.1353(b)(5) & §63.9(h) Notification of compliance status within 30 or 60 days after performance test completed.	
§63.1353(b)(6) Within 48 hours of an exceedance that triggers retesting to establish compliance and new operating limits, notify the appropriate permitting agency of the planned performance tests. The 60-day prior notification requirement does not apply to retesting required for exceedances.	
§63.1354(b)(1) & §63.10(d)(2) Submit results of performance tests within 60 days after completion of each test.	
§63.1354(b)(6) & §63.10(e)(2) Submit results of the performance evaluation for the continuous monitoring system when submitting results of performance tests, when applicable.	
§63.1354(b)(8)&(9), §63.1354(C), & §63.10(e)(3) Submit excess emissions and continuous monitoring system performance reports semiannually for any event when the continuous monitoring system data indicate the source is not in compliance with the applicable emission limitation or operating parameter limit.	
§63.1355 Keep records for 5 years from the date of occurrence for:	
	Initial notifications and notifications of compliance
	Applicability determination

	All required CMS measurements		
	Annual record of CKD which is removed from the kiln system and disposed or recycled		
	Daily kiln feed rates		
	SSM records, including actions not consistent with the SSM plans		
	Date, duration, and description of each exceedance of an emission standard or established operating parameter limit		
	Notifications of performance tests		
	Reports		
	O&M records, including discrepancies		
CLINKER COOLER			
§63.1343(b)(1) Emissions must not exceed the following limits while the clinker cooler is in normal operation:			
	PM	0.07	lb/ton clinker
During startup and shutdown of the clinker cooler, work practice standards are applicable as described in §63.1348(b)(9).			
§63.1347(a) Prepare a written operations and maintenance (O&M) plan. Address periods of startup and shutdown in the plan.			
§63.1349(b)(1) Conduct an initial PM performance test using Method 5 or 5I and continuously monitor PM emissions control performance with a PM CPMS. Test at the highest load or capacity reasonably expected to occur. The kiln and the coal mill must both be tested to determine the combined emission rate of PM. Minimum 3 separate runs while raw mill is on and while raw mill is off. Minimum sample volume of 1 dscm. Establish operating limits in one of the following ways:			
	If the performance test demonstrates PM emission levels are below 75% of the emission limit, use the average PM CPMS value recorded during the test, the milliamp equivalent of zero output from your PM CPMS, and the average PM result from the performance to determine the source specific 30-day rolling average operating limit.		
	If the performance test demonstrates PM emission levels are below 75% of the emission limit, use the average PM CPMS value recorded during the test, the milliamp equivalent of zero output from your PM CPMS, and the average PM result from the performance to determine the source specific 30-day rolling average operating limit.		
§63.1349(c) Conduct performance tests for the following pollutants at the following frequencies after the initial performance test.			
	PM	Every 12 months	
§63.1349(d)(1) Submit a performance test report within 60 days after each performance test is completed.			

§63.1349(d)(2) Submit the relative accuracy test audit data and performance test data to the EPA by successfully submitting the data electronically to EPA's Central Data Exchange (CDX) by using the Electronic Reporting Tool (ERT) within 60 days after each performance test is completed.	
§63.1350(b)(1)(ii) To determine continuous compliance, use the PM CPMS output data for all periods when the process is operating and the PM CPMS is not out of control to determine a 30 day operating rolling average operating parameter (milliamps). Compare the 30 day operating rolling average operating parameter to the site-specific operating parameter limit.	
§63.1350(b)(1)(iii) For any exceedance of the established operating limit for demonstrating compliance with the PM emission limit:	
	Visually inspect the air pollution control device within 48 hours. If the air pollution control device is the cause of the exceedance, take corrective action as soon as possible to return the PM CPMS measurement to within the established operating limit.
	Conduct a PM emissions compliance test within 30 days of exceedance of the established PM CPMS operating limit.
	Verify or re-establish the PM CPMS operating limit based on the PM emissions compliance test within 45 days.
§63.1350(m)(4) Record the results of each inspection, calibration, and validation check of each required CPMS.	
§63.1350(m)(5)(iv) If an applicable operating limit requires the use of a flow measurement device, conduct a flow sensor calibration at least semiannually.	
§63.1350(m)(10) - (11) If electing to use a fabric filter bag leak detection system to meet 40 CFR 63 Subpart LLL requirements, install calibrate, maintain and continuously operate a BLDS for each baghouse exhaust. Initiate procedures to determine the cause of every alarm within 8 hours of the alarm and alleviate the cause of the alarm within 24 hours of the alarm.	
§63.1350(n) Install, calibrate, maintain and continuously operate a flow rate monitoring system to measure stack gas flow rate. Perform an initial relative accuracy test of the flow rate monitoring system according to Section 8.2 of Performance Specification 6 and verify the accuracy of the flow rate monitoring system at least once per year by repeating the relative accuracy test.	
§63.1350(p) Develop a site-specific monitoring plan for each CMS which is used to meet emission limits established by 40 CFR 63 Subpart LLL.	
§63.1353(b)(2) & §63.9(e) Notify administrator of performance test at least 60 calendar days before scheduled test date.	
§63.1353(b)(4) & §63.9(g) Notification of the date that a continuous emission monitor performance evaluation is scheduled to begin.	
§63.1353(b)(5) & §63.9(h) Notification of compliance status within 30 or 60 days after performance test completed.	
§63.1353(b)(6) Within 48 hours of an exceedance that triggers retesting to establish compliance and new operating limits, notify the appropriate permitting agency of the planned performance tests. The 60-day prior notification requirement does not apply to retesting required for exceedances.	

§63.1354(b)(1) & §63.10(d)(2) Submit results of performance tests within 60 days after completion of each test.	
§63.1354(b)(6) & §63.10(e)(2) Submit results of the performance evaluation for the continuous monitoring system when submitting results of performance tests, when applicable.	
§63.1354(b)(8)&(9), §63.1354(C), & §63.10(e)(3) Submit excess emissions and continuous monitoring system performance reports semiannually for any event when the continuous monitoring system data indicate the source is not in compliance with the applicable emission limitation or operating parameter limit.	
§63.1355 Keep records for 5 years from the date of occurrence for:	
	Initial notifications and notifications of compliance
	Applicability determination
	All required CMS measurements
	SSM records, including actions not consistent with the SSM plans
	Date, duration, and description of each exceedance of an emission standard or established operating parameter limit
	Notifications of performance tests
	Reports
	O&M records, including discrepancies
FINISH MILL, STORAGE BINS, CONVEYING SYSTEM TRANSFER POINTS, BAGGING SYSTEM, BULK LOADING/UNLOADING SYSTEM AND RAW MATERIAL DRYER	
§63.1345 Limit opacity to less than or equal to 10%	
§63.1348(b)(2) Conduct an initial performance test for opacity using EPA Method 9. The duration of the test shall be 3 hours but may be reduced to 1 hour if certain conditions are met. Use the maximum 6-minute average opacity during the performance test to determine compliance.	
§63.1350(f) Conduct monthly 10-minute visible emission observations in accordance with method 22 while each source is in operation. If no visible emissions are observed in six consecutive months, frequency may be reduced to semi-annually. If no visible emissions are observed during the semi-annual tests, the frequency can be reduced to annually. If visible emissions are observed during any Method 22 test, conduct a 30-minute Method 9 test within 1 hour of observing the visible emissions and frequency reverts to monthly. Visible emissions from a building must include observations from each side, roof and vent. Maintain and operate totally enclosed transfer points as total enclosures in accordance with the O&M plan.	
§63.1350(p) Develop a site-specific monitoring plan for opacity for each source required to meet an opacity limit.	
§63.1353(b)(3) & §63.9(f) Notify administrator of opacity test at least 30 calendar days before scheduled test date.	
§63.1353(b)(5) Notification of compliance status within 30 or 60 days after performance test completed.	
§63.1354(b)(2) & §63.10(d)(3) Submit results of opacity observations before 30 days following the completion of the VE/opacity observation.	

§63.1354(b)(9), §63.1354(C), & §63.10(e)(3) Submit a semiannual summary report to the EPA via the CEDRI system unless the reporting form is not yet available, then a hard copy report may be submitted.
§63.1355(a) & (b), & §63.10(b) Keep records for 5 years from the date of occurrence for: • Applicability determination • Notifications of performance tests • Results of performance tests • O&M records, including discrepancies • VE/opacity observations/inspections • Reports

Citation	Requirement	Applies to subpart LLL	Explanation
63.1(a)(1)-(4)	Applicability	Yes	
63.1(a)(5)		No	[Reserved]
63.1(a)(6)-(8)	Applicability	Yes	
63.1(a)(9)		No	[Reserved]
63.1(a)(10)-(14)	Applicability	Yes	
63.1(b)(1)	Initial Applicability Determination	No	§ 63.1340 specifies applicability.
63.1(b)(2)-(3)	Initial Applicability Determination	Yes	
63.1(c)(1)	Applicability After Standard Established	Yes	
63.1(c)(2)	Permit Requirements	Yes	Area sources must obtain Title V permits.
63.1(c)(3)		No	[Reserved]
63.1(c)(4)-(5)	Extensions, Notifications	Yes.	
63.1(d)		No	[Reserved]
63.1(e)	Applicability of Permit Program	Yes	
63.2	Definitions	Yes	Additional definitions in § 63.1341.
63.3(a)-(c)	Units and Abbreviations	Yes	
63.4(a)(1)-(3)	Prohibited Activities	Yes	
63.4(a)(4)		No	[Reserved]
63.4(a)(5)	Compliance date	Yes	
63.4(b)-(c)	Circumvention, Severability	Yes	
63.5(a)(1)-(2)	Construction/Reconstruction	Yes	
63.5(b)(1)	Compliance Dates	Yes	
63.5(b)(2)		No	[Reserved]
63.5(b)(3)-(6)	Construction Approval, Applicability	Yes	
63.5(c)		No	[Reserved]
63.5(d)(1)-(4)	Approval of Construction/Reconstruction	Yes	
63.5(e)	Approval of Construction/Reconstruction	Yes	

63.5(f)(1)-(2)	Approval of Construction/Reconstruction	Yes	
63.6(a)	Compliance for Standards and Maintenance	Yes	
63.6(b)(1)-(5)	Compliance Dates	Yes	
63.6(b)(6)		No	[Reserved]
63.6(b)(7)	Compliance Dates	Yes	
63.6(c)(1)-(2)	Compliance Dates	Yes	
63.6(c)(3)-(4)		No	[Reserved]
63.6(c)(5)	Compliance Dates	Yes	
63.6(d)		No	[Reserved]
63.6(e)(1)-(2)	Operation & Maintenance	No	*See*§ 63.1348(d) for general duty requirement. Any reference to § 63.6(e)(1)(i) in other General Provisions or in this subpart is to be treated as a cross-reference to § 63.1348(d).
63.6(e)(3)	Startup, Shutdown Malfunction Plan	No	Your operations and maintenance plan must address periods of startup and shutdown. See § 63.1347(a)(1).
63.6(f)(1)	Compliance with Emission Standards	No	Compliance obligations specified in subpart LLL.
63.6(f)(2)-(3)	Compliance with Emission Standards	Yes	
63.6(g)(1)-(3)	Alternative Standard	Yes	
63.6(h)(1)	Opacity/VE Standards	No	Compliance obligations specified in subpart LLL.
63.6(h)(2)	Opacity/VE Standards	Yes	
63.6(h)(3)		No	[Reserved]
63.6(h)(4)-(h)(5)(i)	Opacity/VE Standards	Yes	
63.6(h)(5)(ii)-(iv)	Opacity/VE Standards	No	Test duration specified in subpart LLL.
63.6(h)(6)	Opacity/VE Standards	Yes	
63.6(h)(7)	Opacity/VE Standards	Yes	
63.6(i)(1)-(14)	Extension of Compliance	Yes	
63.6(i)(15)		No	[Reserved]
63.6(i)(16)	Extension of Compliance	Yes	
63.6(j)	Exemption from Compliance	Yes	
63.7(a)(1)-(3)	Performance Testing Requirements	Yes	§ 63.1349 has specific requirements.
63.7(b)	Notification period	Yes	Except for repeat performance test caused by an exceedance. See § 63.1353(b)(6)
63.7(c)	Quality Assurance/Test Plan	Yes	
63.7(d)	Testing Facilities	Yes	

63.7(e)(1)	Conduct of Tests	No	*See*§ 63.1349(e). Any reference to 63.7(e)(1) in other General Provisions or in this subpart is to be treated as a cross-reference to § 63.1349(e).
63.7(e)(2)-(4)	Conduct of tests	Yes	
63.7(f)	Alternative Test Method	Yes	
63.7(g)	Data Analysis	Yes	
63.7(h)	Waiver of Tests	Yes	
63.8(a)(1)	Monitoring Requirements	Yes	
63.8(a)(2)	Monitoring	No	§ 63.1350 includes CEMS requirements.
63.8(a)(3)		No	[Reserved]
63.8(a)(4)	Monitoring	No	Flares not applicable.
63.8(b)(1)-(3)	Conduct of Monitoring	Yes	
63.8(c)(1)-(8)	CMS Operation/Maintenance	Yes	Temperature and activated carbon injection monitoring data reduction requirements given in subpart LLL.
63.8(d)	Quality Control	Yes, except for the reference to the SSM Plan in the last	
63.8(e)	Performance Evaluation for CMS	Yes	
63.8(f)(1)-(5)	Alternative Monitoring Method	Yes	Additional requirements in § 63.1350(l).
63.8(f)(6)	Alternative to RATA Test	Yes	
63.8(g)	Data Reduction	Yes	
63.9(a)	Notification Requirements	Yes	
63.9(b)(1)-(5)	Initial Notifications	Yes	
63.9(c)	Request for Compliance Extension	Yes	
63.9(d)	New Source Notification for Special Compliance Requirements	Yes	
63.9(e)	Notification of performance test	Yes	Except for repeat performance test caused by an exceedance. See § 63.1353(b)(6)
63.9(f)	Notification of VE/Opacity Test	Yes	Notification not required for VE/opacity test under § 63.1350(e) and (j).
63.9(g)	Additional CMS Notifications	Yes	
63.9(h)(1)-(3)	Notification of Compliance Status	Yes	
63.9(h)(4)		No	[Reserved]
63.9(h)(5)-(6)	Notification of Compliance Status	Yes	
63.9(i)	Adjustment of Deadlines	Yes	

63.9(j)	Change in Previous Information	Yes	
63.10(a)	Recordkeeping/Reporting	Yes	
63.10(b)(1)	General Recordkeeping Requirements	Yes	
63.10(b)(2)(i)-(ii)	General Recordkeeping Requirements	No	*See*§ 63.1355(g) and (h).
63.10(b)(2)(iii)	General Recordkeeping Requirements	Yes	
63.10(b)(2)(iv)-(v)	General Recordkeeping Requirements	No	
63.10(b)(2)(vi)-(ix)	General Recordkeeping Requirements	Yes	
63.10(c)(1)	Additional CMS Recordkeeping	Yes	PS-8A supersedes requirements for THC CEMS.
63.10(c)(1)	Additional CMS Recordkeeping	Yes	PS-8A supersedes requirements for THC CEMS.
63.10(c)(2)-(4)		No	[Reserved]
63.10(c)(5)-(8)	Additional CMS Recordkeeping	Yes	PS-8A supersedes requirements for THC CEMS.
63.10(c)(9)		No	[Reserved]
63.10(c)(10)-(15)	Additional CMS Recordkeeping	Yes	PS-8A supersedes requirements for THC CEMS.
63.10(d)(1)	General Reporting Requirements	Yes	
63.10(d)(2)	Performance Test Results	Yes	
63.10(d)(3)	Opacity or VE Observations	Yes	
63.10(d)(4)	Progress Reports	Yes	
63.10(d)(5)	Startup, Shutdown, Malfunction Reports	No	*See*§ 63.1354(c) for reporting requirements. Any reference to § 63.10(d)(5) in other General Provisions or in this subpart is to be treated as a cross-reference to § 63.1354(c).
63.10(e)(1)-(2)	Additional CMS Reports	Yes	
63.10(e)(3)	Excess Emissions and CMS Performance Reports	Yes	Exceedances are defined in subpart LLL.
63.10(f)	Waiver for Recordkeeping/Reporting	Yes	
63.11(a)-(b)	Control Device Requirements	No	Flares not applicable.
63.12(a)-(c)	State Authority and Delegations	Yes	
63.13(a)-(c)	State/Regional Addresses	Yes	
63.14(a)-(b)	Incorporation by Reference	Yes	
63.15(a)-(b)	Availability of Information	Yes	

APPENDIX B
MDAQMD SIP TABLE

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
203	*Permit to Operate*	1/7/77	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
204	*Permit Conditions*	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
206	*Posting of Permit to Operate*	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
207	*Altering or Falsifying of Permit*	1/9/76	[SIP: Approved 11/09/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C)]	Y	
209	*Transfer and Voiding of Permit*	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
217	*Provision for Sampling And Testing Facilities*	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	

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District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
219	*Equipment Not Requiring a Written Permit*	SB - 6/6/77 RC - 9/4/81	SB - [SIP: Approved 11/9/78, 43 FR, 52237, 40 CFR 52.220(c)(31)(vi)(C), 40 CFR 52.220(c)(32)(iv)(C), and 40 CFR 52.220(c)(39)(ii)(B)] RC - [SIP: Approved 7/6/82, 47 FR 29231, 40 CFR 52.220(c)(103)(xviii)(A)]	Y	
221	*Federal Operating Permit Requirement*	12/21/94	[SIP: Approved 2/5/96, 61 FR 4217, 40 CFR 52.220(c)(216)(i)(A)(2)]	Y	
301	*Permit Fees*	Not in SIP	Applicable Version = Most current amendment, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	Rule 301 is a fee rule and does not ordinarily require submission to USEPA. Various prior versions of Rule 301 were previously included in the State Implementation Plan (SIP) however USEPA removed this rule from the SIP on 01/18/02 (67 FR 2573; 40 CFR 52.220(c)(39)(iv)(C)). Therefore, this rule is not required to be a federal submittal.
312	*Fees for Federal Operating*	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title	Y	

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District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
	Permits		V Program interim approval 02/05/96 61 FR 4217		
401	*Visible Emissions*	SB - 7/25/1977 RC - 2/4/1977 (subdivision (a))RC - 10/15/82 (subdivision (b))	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(C)] RC (a) - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)] RC (b) - [SIP: Approved 10/19/84, 49 FR 41028, 40 CFR 52.220(c)(127)(vii)(C)]	Y	
403	*Fugitive Dust*	SB - 7/25/1977 RC - 7/25/1977	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(B)] RC - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)]	Y	
403.2	*Fugitive Dust Control for the Mojave Desert Planning Area*	N/A	**SIP Pending:** as amended 07/22/1996 and submitted 10/18/1996	?	
404	*Particulate Matter Concentration*		[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
405	*Solid Particulate Matter, Weight*		[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A); Approved 6/14/78, 43 FR	Y	

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MDAQMD SIP TABLE

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			25684, 40 CFR 52.220(c)(32)(iv)(A)]		
406	*Specific Contaminants*	SB - 7/25/1977 (subdivision (a)) RC - None	SB - [SIP: Approved, 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
407	*Liquid and Gaseous Air Contaminants*	5/7/76	SB - [SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C)] RC - [Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
408	*Circumvention*	5/7/76	[SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
409	*Combustion Contaminants*	5/7/76	[SIP: Approved 9/8/78; 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
430	*Breakdown Provisions*	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	

APPENDIX B
MDAQMD SIP TABLE

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
431	*Sulfur Content of Fuels*	SB - 10/8/1976 RC - ?	SB - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(B) and 40 CFR 52.220(c)(39)(ii)(B) RC - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(C), 40 CFR 52.220(c)(39)(iv)(C), and 40 CFR 52.220(c)(39)(vi)(B)	Y	
441	*Research Operations*		**SIP: Not SIP: District Rule 441 –** *Research Operations* Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i)]	N	
442	*Usage of Solvents*	2/27/06	[SIP: Approved 09/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C)(1)]	Y	
444	*Open Outdoor Fires*	9/25/06	[SIP: Approved 10/31/2007, 72 FR 61525, 40 CFR 52.220(c)(350)(B)(1)]	Y	
1104	*Organic Solvent Degreasing Operations*	9/28/94	[SIP: Approved: 4/30/96, 61 FR 18962, 40 CFR 52.220(c)(207)(I)(D)(2)]	Y	
1113	*Architectural Coatings*	4/23/12	[SIP: Approved: 1/03/14, 79 FR 364, 40 CFR 52.220(c)(428)(i)(C)]	Y	

APPENDIX B
MDAQMD SIP TABLE

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
1114	*Wood Products Coating Operations*	11/25/96	[SIP: Approved: 08/18/98, 63 FR 44132, 40 CFR 52.220(c)(244)(i)(C); Approved 61 FR 18962, 04/30/96]	Y	
1115	*Metal Parts and Products Coating Operations*	4/22/96	[SIP: Approved 12/23/97, 62 FR 67002, 40 CFR 52.220(c)(239)(i)(A)(2)]	Y	
1116	*Automotive Finishing Operations*	8/23/10	[SIP: Approved 8/9/12, 77 FR 47536, 40 CFR 52.220(c)(388)(i)(F)(1)]	Y	
1302	*NSR - Procedure*	3/25/96	[SIP: Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A)(1)]	Y	
Regulation XII	*Federal Operating Permits*		SIP: Not SIP. Final Title V Program Approval 11/21/03 68 FR 65637; Partial Withdrawal of approval 10/15/02 67 FR 63551; Notice of Deficiency 05/22/02 67 FR 35990; Approval 12/17/01 66 FR 63503; Interim Approval 02/05/96 61 FR 4217]		

APPENDIX C

40 CFR Part 63 subpart LLL Extension of Compliance

The MDAQMD granted an extension of compliance to Riverside Cement Corporation with certain provisions of 40 CFR 63 Subpart LLL in accordance with 40 CFR 63.6(1) and/or 63.9(c) due to the necessity of obtaining National Institute of Science and Technology (NIST) traceable low concentration HCL calibration gas suppliers and the approval of NIST certified elemental mercury gas generators for mercury levels greater than 40 micrograms/cubic meter.

The request for extension of compliance is hereby granted under the following conditions:

The request for extension of compliance is hereby granted under the following conditions:

1. CalPortland Company will maintain and operate its current CEMS and other monitoring and testing devices and schedules for the extension period.
2. CalPortland Company will provide quarterly reports due on October 1 and every three months thereafter for the period of the extension regarding the status of construction on the dry lime injection system (for HCL control) and the carbon injection system (for mercury control).
3. CalPortland Company will provide quarterly updates October 1 and every three months thereafter for the period of the extension regarding actions taken to obtain NIST HCL calibration gas and a NIST certified elemental mercury gas generator.
4. If an extension of the compliance date beyond September 9, 2016 becomes necessary CalPortland Company will provide an update to this extension request setting forth the reasons such additional time is required.

CalPortland Company will submit applications for: Any new equipment necessary for compliance with 40 CFR 63 Subpart LLL, Modification of applicable Permits to Operate, and Title V Permit if such have not been submitted already. CalPortland Company will not commence construction of any new or modified equipment until the applicable Authority to Construct permits have been issued pursuant to the provisions of District Regulations II, XIII and XII.