

Bay Area Air Quality Management District

~~939-375 Beale Ellis~~ Street
San Francisco, CA 9410~~59~~
(415) 771-6000

PROPOSED Final RENEWAL

MAJOR FACILITY REVIEW PERMIT

Issued ~~To~~to:

Lehigh Southwest Cement Company
Facility # A0017

Facility Address:

24001 Stevens Creek Boulevard
Cupertino, CA 95014

Responsible Official

~~Alan Sabawi~~~~Denzil Cotera~~~~Keith Krugh~~, ~~Plant Manager~~~~VP of Cement Operation~~~~Plant Manager~~
~~Chow Yip~~~~Sam Barker~~~~Tressa Jackson~~, ~~Environmental Engineer~~
(408) 996-~~4271~~~~4231~~

Facility Contact

(408) 996-~~4235~~~~4269~~~~33~~

Type of Facility:	Cement Manufacturing	BAAQMD Engineering
Primary SIC:	3241	Division Contact:
Product:	Cement	Thu Bui

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

~~Signed by Jim Karas~~ _____ ~~August 20, 2013~~
~~Jim Karas, Director of Engineering Division~~ ~~Jack P. Broadbent, Executive Officer/Air Pollution~~
~~Control Officer~~ _____ Date

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I. STANDARD CONDITIONS

A. *Administrative Requirements*

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions

(as amended by the District Board on ~~5/19/04/06/11~~);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA through 6/28/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on ~~7/12/1906/1706~~);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA through ~~108/0126/1699~~);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on ~~6/12/0615/1705~~);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA through ~~108/0126/1699~~);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on ~~12/2106/0417~~);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA through ~~1/26/9912/04/17~~);

BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants

(as adopted by the District Board on ~~126/0715/1605~~);

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on ~~4/16/0312/06/17~~); and

SIP Regulation 2, Rule 6 – Permits, Major Facility Review

(as approved by EPA through 6/23/95).

B. *Conditions to Implement Regulation 2, Rule 6, Major Facility Review*

1. This Major Facility Review Permit was issued on April 17, 2012 and expires on ~~April 16, 2017~~. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than ~~October 16, 2017~~ and no earlier than ~~April 16, 2016~~. If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after ~~April 16, 2017~~. If the permit renewal has not been issued by ~~April 16, 2017~~, 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. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless of whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

I. Standard Conditions

C. *Requirement to Pay Fees*

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. *Inspection and Entry*

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. *Records*

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, MOP Volume II, Part 3, §4.7)

F. *Monitoring Reports*

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. ~~The first reporting period for this permit shall be November 1, 2010 to December 31, 2010. The report shall be submitted by January 31, 2011. Subsequent r~~Reports shall be for the following periods: January 1 through June 30 and July 1 through December 31 and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent by e-mail to compliance@baaqmd.gov or by postal mail to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
~~939 Ellis Street~~375 Beale Street, Suite 600
San Francisco, CA ~~94109~~94105
Attn: Title V Reports

(Regulation 2-6-502, MOP Volume II, Part 3, §4.7)

G. *Compliance Certification*

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. ~~The current certification period will be from November 1, 2009_ to October 31, 2010 and the certification shall be submitted by November 30, 2010. The next certification period will be from November 1, 2010 to December 31, 2010 and the~~

I. Standard Conditions

~~certification shall be submitted by January 31, 2011. All subsequent e~~Certification periods will be from January 1 through December 31. The certification shall be submitted by January 31. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent by e-mail to r9.aeo@epa.gov or to the Environmental Protection Agency at the following address:

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 ~~and 4.15~~)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

II. EQUIPMENT

Table II -A - Permitted Sources				
Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits.				
S-#	Description	Make or Type	Model	Capacity
1	Gasoline Service Station, G9200	VST EVR NBBK Type Nozzles		10,000 Gallons, 2 Nozzles
17	Clinker Transfer Area	Custom Design		312 tons/hour
19	Clinker Storage Area	Custom Design		36,650 tons
21	Roll Press Clinker Surge Bin and Feeder	Custom Design		320 tons/hr
45	West Silo Top Cement Distribution Tower	Custom Design		282 tons/hour
46	Middle West Silo Top Cement Distribution Tower	Custom Design		282 tons/hour
47	East Silo Top Cement Distribution Tower	Custom Design		282 tons/hour
48	Bulk Cement Loadout Tank #1 and #2	Custom Design		800 tons
49	Bulk Cement Loadout Tank #28	Custom Design		830 tons
50	Bulk Cement Loadout Tank #29	Custom Design		830 tons
54	Cement Packer #1	Saint Regis	150	1500 tons/hour
55	Cement Packer #2	Saint Regis	150	1500 tons/hour
74	Type II Mechanical Transfer System	Custom Design		1,440,000 tons/year
100	Precalciner Kiln Fuel Handling System	Custom Design		400 ton/hour
111	Rail Unloading System Area 1	Custom Design		500 tons/hour
112	Additive Hopper Transfer System Area 1	Custom Design		400 tons/hour
113	Additive Bin Transfer Facilities Area 1	Custom Design		400 tons/hour
115	Additive Storage Tripper	Custom Design		500 tons/hour
121	Tertiary Scalping Screen 2-VS-1, 2-VS-2	Tyler 8 x 20		1400 tons/hour
122	Tertiary Crusher 2-CR-1	Rexnord 7'SH		600 tons/hour
123	Rock Conveying System Area 2	Custom Design		600 tons/hour
131	Rock Sampling System Area 3	Harrison Cooper		800 tons/hour
132	Preblend Dome	PHB		800 tons/hour
134	Preblend Storage Bin 4-S-1, 4-S-2	Custom Design		600 tons/hour
135	High Grade Storage Bin 4-S-3, 4-S-4	Custom Design		800 tons/hour
141	Raw Mill 1 4-GM-1	Humbolt Wedag	4300KW	250 tons/hour
142	Raw Mill 2 4-GM-2	Humbolt Wedag	4300KW	250 tons/hour
143	Raw Mill 1 Separator System 4-SE-3	Sturtevent 20 feet		792 tons/hour
144	Raw Mill 2 Separator Circuit 4-SE-4	Sturtevent 20 feet		792 tons/hour

II. EQUIPMENT

Table II -A - Permitted Sources				
Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits.				
S-#	Description	Make or Type	Model	Capacity
151	Homogenizer 5-S-1, 5-S-2	Claudius Peters		19,000 tons
153	Kiln Feed System	Claudius Peters		700 tons/hour
154	Calcliner Kiln Natural Gas Fuel Oil Coal and Coke	Allis-Chalmers RSP		600 MMBtu/hr 600 MMBtu/hr 600 MMBtu/hr 920 MMBtu/hr
161	Clinker Cooler 5-CC-1	Claudius Peters Recuperative Cooler		320 tons/hour
162	Clinker Silo A 5-S-11	Custom Design		45,000 tons
163	Clinker Silo B 5-S-12	Custom Design		45,000 tons
164	Free lime Storage Bin	Custom Design		1000 tons
165	Clinker Transfer System	Custom Design		350 tons/hour
167	Lime Bin	Custom Design		4 tons/hr
168	Activated Carbon Storage Silo	Custom Design		60 tons
169	Activated Carbon Feed Bin	Custom Design		10 tons
171	Kiln Fuel Mill (Coal & Coke) System	Raymond	703RS	20 tons/hour
172	Precalcliner Fuel Mill (Coal & Coke) System	Raymond	703RS	20 tons/hour
176	Rock Plant 1 Storage Pile			4.5 Acres
187	Sand Hopper and Storage Bin	Custom Design		1050 tons/hour
201	Primary Crusher	Birdsboro	66" x 84"	1500 tons/hour
202	Secondary Crusher	Symous	7'	1500 tons/hour
210	Finish Mill (6-GM-1)	F. L. Smidth Unidan		250 tons/hour
211	Separator (6-SE-2)	F. L. Smidth Sepax		300 tons/hour
216	6-GM-1 Cake Conveyor (6-BC-13)	Humboldt Wedag	6BC13	250 tons/hour
217	6GM1 Cake Conveyor (6-BC-15)	Humboldt Wedag	6BC15	250 tons/hour
218	6-GM-1 Air Separator (6-SE-1)	Humboldt Wedag SKS	250	700 tons/hour
220	6-GM-2 Mill and Peripherals	Nordberg	14' x 21'2"	70 tons/hour
221	6-GM-2 Cake Feeder (6WF2)	Thayer	M	72 tons/hour
222	6-GM-2 Gypsum Feeder (6WF4)	Thayer	M	5 tons/hour
223	Synthetic Gypsum Feeder (6WF12)	Custom Design		60 tons/hour
230	6-RP-1 Roller Press and Peripherals	Humboldt Wedag	140/105	320 tons/hour
231	Pressed Cake Bin (6-SS-2)			1200 tons
240	Additive Conveyor/Bins			1420 tons
242	6-GM-1 Cake Feeder (6-WF-3)	Thayer	M	250 tons/hour
243	6-GM-1 Gypsum Feeder (6-WF-9) Reclaimed cement	Thayer	M	10 tons/hour

II. EQUIPMENT

Table II -A - Permitted Sources				
Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits.				
S-#	Description	Make or Type	Model	Capacity
244	6GM1 Pozzolan Feeder (6-WF-7)	Thayer	M	30 tons/hour
245	6-GM-1 Clay Feeder (6-WF-59) Gypsum	Thayer	M	15 tons/hour
246	Synthetic Gypsum Feeder (6WF11)	Custom Design		60 tons
300	Wet Aggregate Storage Piles			1.75 Acres
301	Rail Loadout System	Midwest International	MD-30 Spout	200 tons/hour
340	Coarse Rock Withdrawal System (8-BC-50, 8-BC-51)	FMC	MF-200-B	600 tons/hour
341	Pre-Crushing Screens Rock Plant 3 (8-VS-50)	Bolliden Allis Shripl-Flo Double Deck	8' x 24'	600 tons/hour
342	Coarse Rock Crushing System 2 ea. Symons 5.5 Ft -(8-CR-50 & 8-CR-51)	Symons 5.5' Shorthead Concrete		400 tons/hour
343	Crushed Rock Returns Conveyor (8-BC-53)	R & S Design	36" W	400 tons/hour
344	Wet Screening Feed Conveyor (8-BC-54)	R & S Design	36" x 104'	600 tons/hour
350	Wet Screening and Conveying (8-BS-51)	Bolliden Allis	8' x 24'	600 tons/hour
360	Wet Aggregate Loadout System (8-BC-60 through 8-BC-62) (8-SS-60 through 8-SS-65)	R & S Design		1000 tons/hour
370	Class 2 Aggregate Additive Transfer System (8-BC-35, 8-BC-37)	R & S Design		250 tons/hour
380	Sand Transfer Class 2 Hopper (8-SC-70)			300 tons/hour
381	Sand Storage Pile and Conveyor (8-BC-72)			0.1 Acre
382	Water Clarifier Fines Shipment (8-CLAR-70, 8-BC-70, 8-BC-71)			300 tons/hour
383	Rock Plant 2 Conveyors -(8-BC-34)			1000 tons/hour
384	Rock Plant 2 Screens - 16 (8-VS-30) & 17 (8-VS-31)			1000 tons/hour
390	Conveyor Belt 15-M (8-BC-30 & 8-CR-31)	R & S Design		800 tons/hour
412	Finish Mill 6GM3			100 tons/hour
414	Kiln Dust Additive Bin	Custom Design		500 tons
415	Finish Mill Building Conveyor	Custom Design		11 tons/hour
444	Emergency Clinker Conveyor	Custom Design		230 tons/hour
501	Emergency Diesel Generator	Caterpillar	D349	1100 hp
502	Emergency Diesel Generator	Caterpillar	D3516	2168 hp
503	Portable Compressor Driver	John Deere	4239	80 hp
504	Portable Compressor Driver	John Deere	4039	80 hp
505	Portable Pump Driver	John Deere	6059	143 hp
600	Quarry Blasting and Mobile Operations	Custom Design		

II. EQUIPMENT

Table II -A - Permitted Sources				
Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits.				
S-#	Description	Make or Type	Model	Capacity
601	Rock Hopper (9-DH-1)	Custom Design		1800 ton/hour
602	Conveyor System (9-PAF-1, 9-BC-1, 9-BC-2)	Custom Design		1800 ton/hour
603	Vibrating Grizzly (9-VG-1)	Custom Design		1800 ton/hour
606	Storage Piles Area 1			1.2 acres
607	Storage Piles Area 2			2.7 acres
608	Hopper/Grizzly Feeder	Metso	N62X24	1,160 ton/hour
609	Primary Crusher (Jaw Crusher)	Nordberg	C-160	540 ton/hour
610	Convyer System		BC-1, BC-2 and, BC-3	
611	Vibrating Screen	Metso	CVB-2661	1,160 ton/hour
612	Secondary Crusher (Cone Crusher)	Nordberg	GP500S	724 ton/hr
613	Storage Bin for Lime/Soda Ash/Sodium Bicarbonate	Custom Design		55 tons

Note: All tons are expressed as short-tons.

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
10	Dust Collector 6-DC-45-through 6-DC-48	S-19	BAAQMD 6-1-301, BAAQMD condition # 18475, Part 5	Pressure Drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
13	Dust Collector 6-DC-1	S-21	BAAQMD 6-1-301	Pressure Drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
58	Dust Collector 7-DC-8	S-74	BAAQMD 6-1-301, BAAQMD Condition # 6655, Part 1	Pressure Drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
100	Water Spray at Hopper	S-100	BAAQMD 6-1-301	Water Spray	Ringelmann 1 for

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
	Loading				≤ 3 min/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
111	Dust Collector 1-DC-1	S-111	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
112	Dust Collector 1-DC-2	S-112	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
113	Dust Collector 1-DC-3	S-113	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
114	Dust Collector 1-DC-4	S-113	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
115	Dust Collector 1-DC-5	S-115	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
121	Dust Collector 2-DC-1	S-121 & S-122	BAAQMD 6-1-301, BAAQMD Condition # 24781	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310, BAAQMD Condition # 24781	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
122	Dust Collector 2-DC-2	S-122 & S-123	BAAQMD 6-1-301, BAAQMD Condition # 24781	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310, BAAQMD Condition # 24781	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible</u>	<u>10% opacity or</u>

II. EQUIPMENT

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
				<u>Inspection</u>	<u>Ringelmann 0.5 for < 3 min/hr</u>
123	Dust Collector 2-DC-3	S-123	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
131	Dust Collector 3-DC-1	S-131	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
132	Dust Collector 3-DC-2	S-132	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
133	Dust Collector 3-DC-3	S-132	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
134	Dust Collector 3-DC-4	S-134	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
135	Dust Collector 3-DC-5	S-135	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure Drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
141	Dust Collector 4-DC-7 through 4-DC-22	S-141 & S-154	BAAQMD 6-1-301, <u>Condition #2786 Part B</u>	<u>Pressure drop & Visible Inspection</u> <u>Opacity Monitor,</u> <u>Bag Leak Detector</u>	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Annual Source Test	0.15 gr/dscf
			BAAQMD 6-1-311	Annual Source Test	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-301.2, Condition 2786, Part B</u>	<u>PM and Opacity Monitors,</u>	<u>0.04 lb/ton clinker based on 3 run test</u>

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
				<u>Annual source test</u>	<u>average</u>
			<u>BAAQMD 9-13-302</u>	<u>Opacity Monitors</u>	<u>BAAQMD Regulation 6-1</u>
			BAAQMD condition # 2786, <u>Ppart B</u>	Annual Source Test	36 lbs/hr and 0.02 gr/dscf
142	Dust Collector 4-DC-23-through 4-DC-38	S-142 & S-154	BAAQMD 6-1-301, <u>Condition #2786, Part B</u>	<u>Pressure drop & Visible Inspection Opacity Monitor, Bag Leak Detector</u>	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Annual Source Test	0.15 gr/dscf
			BAAQMD 6-1-311	Annual Source Test	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-301.2, Condition 2786, Part B</u>	<u>PM and Opacity Monitors, Annual source test</u>	<u>0.04 lb/ton clinker based on 3 run test average</u>
			<u>BAAQMD 9-13-302</u>	<u>Opacity Monitors</u>	<u>BAAQMD Regulation 6-1 (10% opacity or Ringelmann 0.5 for < 3 min/hr because kiln is combined with the fuel mills)</u>
			BAAQMD condition # 2786, <u>Ppart B</u>	Annual Source Test	36 lbs/hr and 0.02 gr/dscf
143	Dust Collector 4-DC-3	S-143	BAAQMD 6-1-301	Broken Bag Leak Detection & Visual Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Broken Bag Leak Detection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
144	Dust Collector 4-DC-4	S-144	BAAQMD 6-1-301	Broken Bag Leak Detection & Visual Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Broken Bag Leak Detection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
151	Dust Collector 5-DC-1	S-151	BAAQMD 6-1-301	Pressure drop & Visual Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visual Inspection	0.15 gr/dscf
			BAAQMD 6-1-311	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
152	Dust Collector 5-DC-2	S-151	BAAQMD 6-1-301	Pressure drop & Visual Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visual Inspection	0.15 gr/dscf
			BAAQMD 6-1-311	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
153	Dust Collector 5-DC-3	S-153	BAAQMD 6-1-301	Pressure drop & Visual Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visual	0.15 gr/dscf

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
				Inspection	
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
154	Lime <u>Dry/Slurry</u> Injection System	S-154	BAAQMD Condition 603, Part 11	HCl CEM or	NESHAP Subpart LLL limit (effective September 9, 2015)
			<u>BAAQMD Condition 603, Part 12</u>	<u>Lime injection rate</u>	<u>HCl CEMS certification requirement (future effective date)</u>
			<u>Regulation 9-13-301.8</u>		<u>3 ppmvd HCl @ 7% O₂, avg 30 days or > 2.8 ton lime/day</u>
156	Activated Carbon Injection System	S-154	BAAQMD <u>Regulation 9-13-301.6, Condition 603, Part 16,</u>	Hg CEMs; <u>Sample analysis and testing of materials in and out (in the interim until the Hg CEM is certified by EPA & BAAQMD</u>	<u>261 lbs/yr Hg (12-month rolling ave.); 0.064 lb/hr 55 lb Hg/million ton Hg of clinker</u>
157	<u>Selective Non-Catalytic Reduction (SNCR) System</u>	<u>S-154</u>	<u>BAAQMD 9-13-301.1</u>	<u>NOx CEM</u>	<u>2.3 lbs/ton clinker, averaged over 30 days</u>
161	Dust Collector 5-DC-11 through 5-DC-20	S-161	BAAQMD 6-1-301, <u>Condition #2786 Part B</u>	<u>Pressure drop & Visual Inspection Opacity Monitor, Bag Leak Detector</u>	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Annual Source Test	0.15 gr/dscf

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 6-1-311	Annual Source Test	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-301.3, Condition 2786, Part B</u>	<u>PM and OacityOpacity Monitors, Annual source test</u>	<u>0.04 lb/ton clinker based on 3 run test average</u>
			<u>BAAQMD 9-13-302</u>	<u>Opacity Monitors</u>	<u>BAAQMD Regulation 6-1</u>
			BAAQMD condition # 2786, <u>P-part B</u>	Annual Source Test	<u>8 lbs/hr (basis 0.74 lb/hr ea)0.04 lb/ton clinker</u>
162	Dust Collector 5-DC-24	S-162	BAAQMD 6-1-301	Pressure drop & Visual Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visual Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
163	Dust Collector 5-DC-25	S-163	BAAQMD 6-1-301	Pressure drop & Visual Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visual Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
164	Dust Collector 5-DC-23	S-164	BAAQMD 6-1-301	Pressure drop & Visual Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visual Inspection	0.15 gr/dscf

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
165	Dust Collector 5-DC-27	S-165	BAAQMD 6-1-301	Pressure drop & Visual Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visual Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
167	Dust Collector	S-167	BAAQMD 6-1-301, BAAQMD Condition 24621 24626, Part 1	Pressure drop & Visible Inspection	Ringelmann 1 for < 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition 24626, Part 98	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD Condition 24626, Part 3	Initial & Every 5 Years Source Test	0.0013 gr/dscf
168	Dust Collector	S-168	BAAQMD 6-1-301, BAAQMD Condition 24899, Part 1	Pressure drop & Visible Inspection	Ringelmann 1 for < 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition 24899, Part 79	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD Condition 24899, Part 3	Initial & Every 5 Years Source Test	0.0013gr/dscf
169	Dust Collector	S-169	BAAQMD 6-1-301, BAAQMD Condition 24899, Part 1	Pressure drop & Visible Inspection	Ringelmann 1 for < 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition 24899, Part 79	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD Condition 24899, Part 3	Initial & Every 5 Years Source Test	0.0013gr/dscf
171	Baghouse, Pulse Jet Dust Collector 5-DC-5	S-154, S-171	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Annual Source Test	0.15 gr/dscf
			BAAQMD 6-1-311	Annual Source Test	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 2786, P part B	Annual Source Test	6.6 lb/hr (total for A-171 and A-172) and 0.02 gr/dscf
172	Baghouse, Pulse Jet Dust Collector 5-DC-6	S-154, S-172	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Annual Source Test	0.15 gr/dscf
			BAAQMD 6-1-311	Annual Source Test	4.10P ^{0.67} lb/hr where P is process

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
					weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 2786, P part B	Annual Source Test	6.6 lb/hr (total for A-171 and A-172) and 0.02 gr/dscf
190	Dust Collectors (4)	S-165	BAAQMD 6-1-301	Pressure drop	Ringelmann 1 for <= 3 min/hr
			BAAQMD 6-1-310	Source Test every 5 yrs	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yrs	4.10P^{0.67} lb/hr where P is process weight, ton/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
210	Dust Collector 6-DC-17	S-210	BAAQMD 6-1-301, BAAQMD condition #779, P part 4	Broken Bag Leak Detector	Ringelmann 1 for <= 3 min/hr
			BAAQMD 6-1-310	Broken Bag Leak Detector	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition #779, P part 2	Broken Bag Leak Detector	0.9 lbs/hour or 0.006 gr/dscf
211	Dust Collector 6-DC-12-, 14, 16, 18	S-211	BAAQMD 6-1-301, BAAQMD condition # 1545, P part 5	Broken Bag Leak Detector	Ringelmann 1 for <= 3 min/hr
			BAAQMD 6-1-310	Broken Bag Leak Detector	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr None	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
					<u>for < 3 min/hr</u>
			BAAQMD condition # 1545, <u>Ppart</u> 2	Broken Bag Leak Detector	3.6 lbs/hour or 0.006 gr/dscf
216	Dust Collector 6-DC-13	S-216	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 4996, <u>Ppart</u> 4	Pressure drop & Visible Inspection	0.0013 gr/dscf
217	Dust Collector 6-DC-15	S-217	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 4996, <u>Ppart</u> 3	Pressure drop & Visible Inspection	0.006 gr/dscf
218	Dust Collector 6-DC-19	S-218, S-412	BAAQMD 6-1-301, BAAQMD condition # 4997, <u>Ppart</u> 2 and condition # 13900, <u>Ppart</u> 2	Broken Bag Leak Detector	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Broken Bag Leak Detector	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 4997, Part 3	Broken Bag Leak Detector	0.006 gr/dscf
220	Dust Collector 6-DC-8	S-220	BAAQMD 6-1-301, BAAQMD condition # 4998, Part 2	Broken Bag Leak Detector	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Broken Bag Leak Detector	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 4998, Part 3	Broken Bag Leak Detector	0.006 gr/dscf
221	Dust Collector 6-DC-6	S-221 and S-223	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD 6-1-311, BAAQMD Condition #24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD condition # 4996, part Part 4	Pressure drop & Visible Inspection	0.0013 gr/dscf
222	Dust Collector 6-DC-4	S-222	BAAQMD 6-1-301, BAAQMD condition # 4995, part Part 1	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 4995, Part 3	Pressure drop & Visible Inspection	0.0013 gr/dscf
230	Dust Collector 6-DC-2	S-230	BAAQMD 6-1-301, BAAQMD condition # 4999, Part 1	Broken Bag Leak Detector	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Broken Bag Leak Detector	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 4999, Part 3	Broken Bag Leak Detector	0.006 gr/dscf
231	Dust Collector 6-DC-3	S-231	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 4996, Part 3	Pressure drop & Visible Inspection	0.006 gr/dscf
240	Dust Collector 6-DC-21	S-240	BAAQMD 6-1-301, BAAQMD condition # 4995, Part 1	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
					weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 4995, P part 3	Pressure drop & Visible Inspection	0.0013 gr/dscf
242	Dust Collector 6-DC-11	S-242	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 4996, P part 4	Pressure drop & Visible Inspection	0.0013 gr/dscf
243	Dust Collector 6-DC-9	S-243 and S-246	BAAQMD 6-1-301, BAAQMD condition # 4995, P part 1	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, BAAQMD Condition #24621, Part 2	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 4995, P part 3	Pressure drop & Visible Inspection	0.0013 gr/dscf
244	Dust Collector 6-DC-7	S-244	BAAQMD 6-1-301, BAAQMD condition # 4995, P part 1	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 4995, <u>Ppart 3</u>	Pressure drop & Visible Inspection	0.0013 gr/dscf
245	Dust Collector 6-DC-5	S-245	BAAQMD 6-1-301, BAAQMD condition # 4995, <u>Ppart 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 4995, <u>Ppart 3</u>	Pressure drop & Visible Inspection	0.0013 gr/dscf
300	Water Spray System	S-300	BAAQMD 6-1-301, BAAQMD Condition # 7252, Part 1	Water flow enough to maintain surface moisture	Ringelmann 1 for ≤ 3 min/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
301	7-DC-9 Rail Loadout Dust Collector	S-301	BAAQMD 6-1-301, BAAQMD condition # 7837, <u>Ppart 2</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 7837, Ppart 5	Pressure drop & Visible Inspection	0.01 gr/dscf
340	Baghouse 8-DC-50	S-340	BAAQMD 6-1-301, BAAQMD condition # 7247, Ppart 1	Pressure drop	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, tonlb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 7247, Ppart 3	Pressure drop	0.0013 gr/dscf
341	Baghouse 8-DC-51	S-341 & S-343	BAAQMD 6-1-301, BAAQMD condition # 7247, Ppart 1	Pressure drop	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, tonlb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 7247, Ppart 3	Pressure drop	0.0013 gr/dscf
342	Baghouse 8-DC-52	S-342	BAAQMD 6-1-301, BAAQMD condition # 7246, Ppart 1	Broken Bag Leak Detector	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Broken Bag Leak Detector	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, tonlb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 7246, Ppart 1	Source Test	0.0013 gr/dscf

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			2	every 5 yr	
350	Water Spray System	S-344 & S-350	BAAQMD 6-1-301, BAAQMD Condition # 7248 and 7249, Part 1	Complete “surface wet” condition	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
360	Water Spray System	S-360	BAAQMD 6-1-301, BAAQMD Condition # 7250, Part 1	Complete “surface wet” condition	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
370	Haul Road Sprinkler System	S-370, S-380, S-381 & S-382	BAAQMD 6-1-301, BAAQMD Condition # 7251, Part 1	Complete “surface wet” condition	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
384	Baghouse 8-DC-31	S-383 & S-384	BAAQMD 6-1-301, CAM for BAAQMD Condition #24781	Visible Inspection, Pressure drop	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310, BAAQMD Condition #24781	Visible Inspection, Pressure drop	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
390	Baghouse 8-DC-30	S-390	BAAQMD 6-1-301, BAAQMD condition # 7247, P part 1	Pressure drop	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop	0.15 gr/dscf

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 7247, <u>Ppart 3</u>	Pressure drop & Source Test every 5 yr	0.0013 gr/dscf
413	Dust Collector	S-414	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for < 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 13982, <u>Ppart 3</u>	Pressure drop & Visible Inspection	0.0013 gr/dscf
415	Dust Collector	S-415	BAAQMD 6-1-301	Pressure drop & Visible Inspection	Ringelmann 1 for <= 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P^{0.67} lb/hr where P is process weight, ton/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 21345, Ppart 3	Pressure drop & Visible Inspection	0.006 gr/dscf
420	Dust Collector 7-DC-16	S-48	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Ppart 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for <= 3 min/hr

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Part 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
421	Dust Collector 7-DC-17	S-48	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Part 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Part 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
422	Dust Collector 7-DC-18	S-48	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Part 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Part 3</u>	Pressure drop & Visible Inspection & Source Test	0.006 gr/dscf

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
423	Dust Collector 7-DC-12	S-49	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Ppart 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Ppart 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
424	Dust Collector 7-DC-14	S-49	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Ppart 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Ppart 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
425	Dust Collector 7-DC-13	S-50	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Ppart 1</u>	Pressure drop	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109,	Pressure drop	0.006 gr/dscf

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			<u>Ppart 3</u>	& Visible Inspection	
426	Dust Collector 7-DC-15	S-50	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Ppart 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, <u>ton</u> lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Ppart 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
427	Dust Collector 7-DC-19	S-49 & S-50	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Ppart 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, <u>ton</u> lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Ppart 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
428	Dust Collector 7-DC-11	S-48	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Ppart 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, <u>ton</u> lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible</u>	<u>10% opacity or</u>

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
				<u>Inspection</u>	<u>Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Ppart 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
429	Dust Collector 7-DC-10	S-49 & S-50	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Ppart 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Ppart 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
430	Dust Collector 7-PDC-01	S-54	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Ppart 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Ppart 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
431	Dust Collector 7-PDC-02	S-55	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Ppart 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
					weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 16109, Part 3	Pressure drop & Visible Inspection & Source Test	0.006 gr/dscf
433	Dust Collector 7-DC-05	S-45	BAAQMD 6-1-301, BAAQMD condition # 16109, Part 1	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 16109, Part 3	Pressure drop & Visible Inspection & Source Test	0.006 gr/dscf
434	Dust Collector 7-DC-06	S-46	BAAQMD 6-1-301, BAAQMD condition # 16109, Part 1	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, ton lb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
			BAAQMD condition # 16109, Part 3	Pressure drop & Visible Inspection	0.006 gr/dscf
435	Dust Collector 7-DC-07	S-47	BAAQMD 6-1-301, BAAQMD condition # 16109, Part 1	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Part 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
436	Dust Collector 6-DC-49	S-17	BAAQMD 6-1-301, BAAQMD condition # 16109, <u>Part 1</u>	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			BAAQMD condition # 16109, <u>Part 3</u>	Pressure drop & Visible Inspection	0.006 gr/dscf
444	Water Spray	S-444	BAAQMD 6-1-301	Water Spray	Ringelmann 1 for < 3 min/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
447	Dust Collector 6-DC-51	S-19	BAAQMD 6-1-301, BAAQMD condition 18475, Part 5	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop</u>	<u>10% opacity or</u>

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Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
				<u>& Visible Inspection</u>	<u>Ringelmann 0.5 for < 3 min/hr</u>
448	Dust Collector 6-DC52	S-19	BAAQMD 6-1-301 BAAQMD condition 18475, Part 5	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, <u>ton</u> lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
449	Dust Collector 6-DC-53	S-19	BAAQMD 6-1-301, BAAQMD condition 18475, Part 5	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, <u>ton</u> lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
450	Dust Collector 6-DC-54	S-19	BAAQMD 6-1-301, BAAQMD condition 18475, Part 5	Pressure drop & Visible Inspection	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, <u>Condition # 24621, Part 2</u>	Source Test every 5 yr	$4.10P^{0.67}$ lb/hr where P is process weight, <u>ton</u> lb/hr
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
606	Water Spray (mobile water truck)	S-606	BAAQMD 6-1-301	Water Spray	Ringelmann 1 for ≤ 3 min/hr

II. EQUIPMENT

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 9-13-302	Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
607	Water Spray (mobile water truck)	S-607	BAAQMD 6-1-301	Water Spray	Ringelmann 1 for ≤ 3 min/hr
			BAAQMD 9-13-302	Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
4504	Water Spray	S-604	BAAQMD 6-1-301	Water Spray	Ringelmann 1 for ≤ 3 min/hr
608	Water Suppression System	S-608	BAAQMD 6-1-301	Water Spray	Ringelmann 1 for < 3 min/hr
			BAAQMD 9-13-302	Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
609	Dust Collector	S-609	BAAQMD 6-1-301, BAAQMD Condition 25380, Part 5		Ringelmann 1 for < 3 min/hr, 0.0013 gr/dscf
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P^{0.67} lb/hr where P is process weight, tonlb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5 for < 3 min/hr
610	Dust Collector	S-610, S-611	BAAQMD 6-1-301, BAAQMD Condition 25380, Part 5		Ringelmann 1 for < 3 min/hr, 0.0013 gr/dscf
			BAAQMD 6-1-310	Pressure drop & Visible Inspection	0.15 gr/dscf
			BAAQMD 6-1-311, Condition # 24621, Part 2	Source Test every 5 yr	4.10P^{0.67} lb/hr where P is process weight, tonlb/hr
			BAAQMD 9-13-302	Pressure Drop & Visible Inspection	10% opacity or Ringelmann 0.5

II. EQUIPMENT

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
				<u>Inspection</u>	<u>for < 3 min/hr</u>
<u>611</u>	<u>Dust Collector</u>	<u>S-610</u>	<u>BAAQMD 6-1-301, BAAQMD Condition 25380, Part 5</u>		<u>Ringelmann 1 for < 3 min/hr, 0.0013 gr/dscf</u>
			<u>BAAQMD 6-1-310</u>	<u>Pressure drop & Visible Inspection</u>	<u>0.15 gr/dscf</u>
			<u>BAAQMD 6-1-311, Condition # 24621, Part 2</u>	<u>Source Test every 5 yr</u>	<u>4.10P^{0.67} lb/hr where P is process weight, tonlb/hr</u>
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
<u>612</u>	<u>Dust Collector</u>	<u>S-610, S-612</u>	<u>BAAQMD 6-1-301, BAAQMD Condition 25380, Part 5</u>		<u>Ringelmann 1 for < 3 min/hr, 0.0013 gr/dscf</u>
			<u>BAAQMD 6-1-310</u>	<u>Pressure drop & Visible Inspection</u>	<u>0.15 gr/dscf</u>
			<u>BAAQMD 6-1-311, Condition # 24621, Part 2</u>	<u>Source Test every 5 yr</u>	<u>4.10P^{0.67} lb/hr where P is process weight, tonlb/hr</u>
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
<u>613</u>	<u>Dust Collector</u>	<u>S-613</u>	<u>BAAQMD 6-1-301, BAAQMD Condition 24621, Part 1</u>	<u>Pressure drop & Visible Inspection</u>	<u>Ringelmann 1 for < 3 min/hr</u>
			<u>BAAQMD 6-1-310</u>	<u>Pressure drop & Visible Inspection</u>	<u>0.15 gr/dscf</u>
			<u>BAAQMD 6-1-311, Condition 24626, Part 98</u>	<u>Source Test every 5 yr</u>	<u>4.10P^{0.67} lb/hr where P is process weight, tonlb/hr</u>
			<u>BAAQMD 9-13-302</u>	<u>Pressure Drop & Visible Inspection</u>	<u>10% opacity or Ringelmann 0.5 for < 3 min/hr</u>
			<u>BAAQMD Condition 24626, Part 3</u>	<u>Initial & Every</u>	<u>0.0013gr/dscf</u>

II. EQUIPMENT

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
				<u>5 Years Source Test</u>	

Table II C - Exempt Sources

Each of the following sources has been issued an exemption pursuant to the provisions of BAAQMD Regulation 2, Rule 1.

S-#	Description	Make or Type	Model	Capacity	Throughput
60	Above Ground Diesel Storage Tank (15,000 gallon capacity)				Exempt (Regulation 2-1-123.3)
62	Below Ground Diesel Storage Tank (4,000 gallon capacity)				Exempt (Regulation 2-1-123.3)
<u>158</u>	<u>Ammonia Hydroxide Tank</u>	<u>Fixed Roof</u>		<u>30,000 gallons</u>	<u>Exempt (Regulation 2-1-123.2)</u>
207	Cold Cleaner	Graymills Handi-Kleen	DM136	24 gallons	Exempt (Regulation 2-1-118.4)
208	Cold Cleaner	Graymills Handi-Kleen	DM136	24 gallons	Exempt (Regulation 2-1-118.4)
209	Cold Cleaner	Graymills Handi-Kleen	L422	24 gallons	Exempt (Regulation 2-1-118.4)
<u>1000</u>	<u>Final Water Treatment System</u>	<u>Frontier ScHAWK™</u>		<u>1275 gpm</u>	<u>Exempt (Regulation 2-1-123.2)</u>
	Low Volatility Solvent Storage Tank				Exempt (Regulation 2-1-123.3)
	Laboratories – Hoods and Testing Equipment				Exempt (Regulation 2-1-113.2,12)
	Water Heater/Boiler (< 10 MMBTU/hr)				Exempt (Regulation 2-1-114.2)

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. This section also contains provisions that may apply to temporary sources.

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on the EPA Region 9 website. The address is

<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>

NOTE:

There are differences between the current BAAQMD rules and the version of the rules in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (705/0419/1106)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (127/1906/1706)	NY
SIP Regulation 2, Rule 1	General Requirements (081/126/1699)	Y
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP Regulation 2-1-429	Federal Emissions Statement (4/03/95)	Y
BAAQMD - Regulation 2, Rule	Permits, Emissions Banking (12/06/17)	<u>N</u>

III. GENERALLY APPLICABLE REQUIREMENTS

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
<u>4</u>		
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (Source Review of Toxic Air Contaminants (612/0745/1605))	N
BAAQMD - Regulation 2, Rule 6	Permits, Major Facility Review (12/06/17)	<u>N</u>
SIP Regulation 2, Rule 6	Permits, Major Facility Review (06/23/95)	<u>Y</u>
BAAQMD - Regulation 3	Fees (06/152+06/187)	<u>N</u>
SIP - Regulation 3	Fees (05/03/84)	<u>Y</u>
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (063/196/1302)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/05/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/04/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (-7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (117/021/094)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule	Organic Compounds - Aerosol Paint Products	N

III. GENERALLY APPLICABLE REQUIREMENTS

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
49	(12/20/95)	
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants – Lead (3/17/82)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/07/98)	N
BAAQMD Regulation 11, Rule 18	Reduction of Risk from Air Toxic Emissions at Existing Facilities (11/15/17)	<u>N</u>
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines (05/09/11)	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (02/19/11)	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
40 CFR Part 64	Compliance Assurance Monitoring (CAM) (11/21/97)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	<u>Y</u>
Subpart F, 40 CFR 82.156-157	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y
40 CFR Part 98	Mandatory Greenhouse Gas Reporting	Y
Subpart A	General Provisions	Y

III. GENERALLY APPLICABLE REQUIREMENTS

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
Subpart H	Cement Production	Y
CA Code of Regulations, Title 17, Subchapter 10, Article 2	Mandatory Greenhouse Gas Emissions Reporting	N

IV. SOURCE SPECIFIC APPLICABLE REQUIREMENTS, APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is <http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>. All other text may be found in the regulations themselves.

This section summarizes the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, combined with previous Section VII, Applicable Limits and Compliance Monitoring Requirements. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, either annual (A), semi-annual (SA), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

A column for Recordkeeping, R, has been added to Table IV ~~and VII~~ for completeness. Visible inspection by Method 9 or Method 22 are visible emission observations.

Note: (M#) means EPA Test Method #, CEMS means continuous emission monitoring system, CPMS means continuous parametric monitoring system

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII General Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements FACILITY WIDE							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 1	General Provisions and Definitions (75/1904/0611)						
1-107	Combination of Emissions						Y
1-520	Continuous Emission Monitoring						Y
1-522	Continuous Emission Monitoring and Recordkeeping Procedures						N
1-523	Parametric Monitoring and Recordkeeping Procedures						N
SIP Regulation 1	General Provisions and Definitions (6/28/99)						
1-522	Continuous Emission Monitoring and Recordkeeping Procedures						Y
1-523	Parametric Monitoring and Recordkeeping Procedures						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
BAAQMD Condition 24621, Part 1	Propose, operate and maintain the Fugitive Dust Control Plan	Opacity (Ringelmann 1.0 for < 3 min/hr), Filterable Particulate (0.15 gr/dscf), Filterable Particulate (4.10 P ^{0.67} lb/hr where P is process weight, <u>ton</u> lb/hr)	SIP Regulation 6-1-301, 6-1-310, 6-1-311	Update as necessary or at least once every 5 yrs	Y	Y	Y
BAAQMD Condition 24621, Part 2	Source test requirement at least once every 5 yrs	Opacity (Ringelmann 1.0 for < 3 min/hr), Filterable Particulate (0.15 gr/dscf), Filterable Particulate (4.10 P ^{0.67} lb/hr where P is process weight, <u>ton</u> lb/hr)	SIP Regulation 6-1-301, 6-1-310, 6-1-311	Source Test At least once every 5 yrs	Y	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII</p> <p align="center">General Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements</p> <p align="center">FACILITY WIDE</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10 9/27/15)						
63.1343(c)	<u>Open Clinker Storage Occurs Greater Than 1000 ft. from the Facility Property Line (compliance by 9/9/2015)</u>	(1) Utilize a three-sided barrier with roof O&M Plan to identify and describe location of open clinker storage pile, and fugitive dust control measures (2) Contain storage and handling of material that is immediately adjacent to the three-sided barrier with a wind fence on at least 2 sides; Open clinker storage piles- O&M Plan to specify 1 or more control measures (3) Storage and handling of other active clinker material must be conducted within an area surrounded on three sides by a barrier or wind fences; Temporary piles must be cleaned within 3 days (4) Inactive clinker material may be alternately stored using a continuous and impervious tarp, covered at all times					Y
63.1351(a)	<u>Compliance Date for existing affected sources that were in effect before December 20, 2006</u>	<u>June 14, 2002 for existing source commenced construction before or on March 24, 1998; June 14, 1999 or startup for existing sources that commenced construction after March 24, 1998</u>					Y
63.1351(b)	<u>Compliance Date for affected existing sources subject to rule requirements that became effective on December 20, 2006</u>	<u>December 21, 2009 for sources that commenced construction after December 2, 2005 and before or on December on or before December 20, 2006; Startup for sources commencing construction after December 20, 2006</u>					Y
63.1351(c)	<u>Compliance Date for requirements</u>	<u>Except for open clinker pile</u>					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII General Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements FACILITY WIDE							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	effective February 12, 2013	requirements, compliance date for existing sources subject to requirements effective on February 12, 2013 is September 9, 2015					
63.1351(d)	Compliance Date for new sources	February 12, 2013 or at startup, whichever is later					Y
63.1351(e)	Compliance Date for existing open clinker storage piles requirements	February 12, 2014					Y
63.1343(d)	Clinker Storage Occurs Less Than 1000 ft. from the Facility Property Line (compliance by 9/9/2015)	Enclosed storage area that meet limits in 63.1345					N

Table IV- & Table VII--A Source-specific Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements S-1 GASOLINE DISPENSING FACILITY							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 8, Rule 7	Organic Compounds: Gasoline Dispensing Facilities (3/24/03)						
8-7-113	Tank Gauging and Inspection Exemption						Y
8-7-114	Stationary Tank Testing Exemption	EXEMPT THROUGHPUT Maximum amount exempt from Phase I is: 1000 gallons per facility for tank integrity leak checking	BAAQMD 8-7-501 & 8-7-503.2	Records P/E	Once every six months	Y	Y
8-7-301	Phase I Requirements						Y
8-7-301.1	Requirements for Transfers into Stationary Tanks, Cargo Tanks, and Mobile Refuelers						Y
8-7-301.2	CARB Certification Requirements						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV- & Table VII--A Source-specific Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements S-1 GASOLINE DISPENSING FACILITY							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
8-7-301.3	Submerged Fill Pipe Requirement						Y
8-7-301.5	Maintenance and Operating Requirement						Y
8-7-301.6	Leak-Free and Vapor Tight Requirement for Components	ORGANIC COMPOUNDS_All Phase I Equipment (except components with allowable leak rates) shall be leak free (≤ 3 drops/minute) and vapor tight	BAAQMD 8-7-301.13 and 8-7-407	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System P/A	Annually	Y	Y
8-7-301.7	Fitting Requirements for Vapor Return Line						Y
8-7-301.10	Vapor Recovery Efficiency Requirements for New and Modified Systems						Y
8-7-301.11	Spill box requirements for Phase I system on underground tank						Y
8-7-301.13	Annual Vapor Tightness Test Requirement						Y
8-7-302	Phase II Requirements						Y
8-7-302.1	Requirements for Transfer into Motor Vehicle Fuel Tanks						Y
8-7-302.2	Maintenance Requirement						Y
8-7-302.3	Proper Operation and Free of Defects Requirements						Y
8-7-302.4	Repair Time Limit for Defective Components						Y
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components						Y
8-7-302.6	Requirements for Bellows Nozzles						Y
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems						Y
8-7-302.8	Minimum Liquid Removal Rate						Y
8-7-302.9	Coaxial Hose Requirement						Y
8-7-302.10	Construction Materials Specifications						Y
8-7-302.12	Liquid Retain Limitation						Y
8-7-302.13	Nozzle Spitting Limitation						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV- & Table VII--A Source-specific Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements S-1 GASOLINE DISPENSING FACILITY							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	Dynamic Back Pressure not to exceed 0.35" WC @ 60 CFH and 0.62" WC @ 80 CFH	CARB E.O. VR-203	Annual Dynamic Back Pressure Test P/A	Annually	Y	Y
8-7-303	Topping Off						Y
8-7-304	Certification Requirements						Y
8-7-306	Prohibition of Use						Y
8-7-307	Posting of Operating Instructions						Y
8-7-308	Operating Practices						Y
8-7-309	Contingent Vapor Recovery Requirement						Y
8-7-313	Requirements for New or Modified Phase II Installations						Y
8-7-315	Pressure Vacuum Valve Requirements, Underground Storage Tanks						Y
8-7-401	Equipment Installation and Modification						Y
8-7-406	Testing Requirements, New and Modified Installations						Y
8-7-407	Periodic Testing Requirements						Y
8-7-408	Periodic Testing Notification and Submission Requirements						Y
8-7-501	Burden of Proof						Y
8-7-502	Right of Access						Y
8-7-503	Record Keeping Requirements						Y
8-7-503.1	Gasoline Throughput Records						Y
8-7-503.2	Maintenance Records						Y
8-7-503.3	Records Retention Time						Y
BAAQMD Condition #7523 Part 1:	Annual Gasoline throughput shall not exceed 400,000 gallons in any consecutive 12 month period (Basis: District Regulation 2-5)	THROUGHPUT Gasoline dispensing throughput < 400,000 gallons/yr	BAAQMD 8-7-503.1 & 8-7-503.2	Record Keeping P/M	Once every six months	Y	N
BAAQMD Condition	Phase I equipment installed and maintained per CARB Executive						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV- & Table VII--A Source-specific Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements S-1 GASOLINE DISPENSING FACILITY							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
#20666 Part 1:	Order (Basis: District Regulation 8-7-301.2)						
BAAQMD Condition #20666 Part 2:	Torque Test per CARB TP 201.1B	POC Specified in CARB E.O. VR-102	CARB E.O. VR-102	Triennial torque test (CARB TP 201.1B) P/3A	Every three years	Y	Y
BAAQMD Condition #20666 Part 2:	Drop Tube Test per CARB TP 201.1C or 201.1D	POC Specified in CARB E.O. VR-102H2O	CARB E.O. VR-102	Triennial drop tube test (CARB TP 201.1C or 201.1D) P/3A	Every three years	Y	Y
BAAQMD Condition # 24297 Part 1:	Installation, operation, maintenance in accordance with CARB E.O. VR-203, Section 41954(f)						Y
BAAQMD Condition # 24297 Part 2:	CARB-certified EVR Phase I						Y
BAAQMD Condition # 24297 Part 3a:	Recordkeeping	Throughput		P/M	Annual	Y	Y
BAAQMD Condition # 24297 Part 3b:	Recordkeeping	Testing and Maintenance		P/E		Y	Y
BAAQMD Condition # 24297 Part 4:	Component requirement	Leak free no greater than 3 drops per minute and Vapor tight		Vapor tight: MOP Method ST-30		Y	Y
BAAQMD Condition # 24297 Part 5:	Start-up notification	In writing within 3 days before initial operation				Y	Y
BAAQMD Condition #24297 Part 6a:	Initial Compliance Demonstration requirements	Static Pressure Performance Test – TP-201.3	CARB E.O. VR-203, Exhibit 4	Static Pressure Performance	Initial	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV- & Table VII--A Source-specific Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements S-1 GASOLINE DISPENSING FACILITY							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				Test P/A			
BAAQMD Condition #24297 Part 6b:	Initial Compliance Demonstration requirements	Dynamic Back Pressure not to exceed 0.35" WC @ 60 CFH and 0.62" WC @ 80 CFH	CARB E.O. VR-203, Exhibit 2	Dynamic Back Pressure Test P/A	Initial	Y	Y
BAAQMD Condition #24297 Part 6c:	Initial Compliance Demonstration requirements	Liquid Removal Test per CARB E.O. VR-203, Exhibit 5, Option 1	CARB E.O. VR-203, Exhibit 5	Liquid Removal Test P/A	Initial	Y	Y
BAAQMD Condition #24297 Part 6d:	Initial Compliance Demonstration requirements	Vapor Pressure Sensor Verification Test per E.O. VR-203, Exhibit 8,	CARB E.O. VR-203, Exhibit 8	Vapor Pressure Sensor Verification P/A	Initial	Y	Y
BAAQMD Condition #24297 Part 6e:	Initial Compliance Demonstration requirements	Nozzle Bag Test	CARB E.O. VR-203, Exhibit 10		Initial	Y	Y
BAAQMD Condition #24297 Part 6f:	Initial Compliance Demonstration requirements	Veeder-Root Vapor Polisher Operability Test. E.O. VR-203, Exhibit 11	CARB E.O. VR-203, Exhibit 11	Vapor Pressure Operability Test P/A	Initial	Y	Y
BAAQMD Condition #24297 Part 6g:	Initial Compliance Demonstration requirements	Veeder-Root Vapor Polisher Emissions Test - E.O. VR-203, Exhibit 12	CARB E.O. VR-203, Exhibit 12	Vapor Polisher Emissions Test P/A	Initial	Y	Y
BAAQMD Condition #24297	Initial Compliance Demonstration requirements	Static Pressure Performance Test – TP-201.3	CARB E.O. VR-203, Exhibit 4	Static Pressure	Initial	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV- & Table VII--A Source-specific Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements S-1 GASOLINE DISPENSING FACILITY							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 7a:				Performance Test P/A			
BAAQMD Condition #24297 Part 7b:	Initial Compliance Demonstration requirements	Dynamic Back Pressure not to exceed 0.35" WC @ 60 CFH and 0.62" WC @ 80 CFH	CARB E.O. VR-203, Exhibit 2	Dynamic Back Pressure Test P/A	Initial	Y	Y
BAAQMD Condition #24297 Part 7c:	Initial Compliance Demonstration requirements	Liquid Removal Test per CARB E.O. VR-203, Exhibit 5, Option 1	CARB E.O. VR-203, Exhibit 5	Liquid Removal Test P/A	Initial	Y	Y
BAAQMD Condition #24297 Part 7d:	Initial Compliance Demonstration requirements	Vapor Pressure Sensor Verification Test per E.O. VR-203, Exhibit 8,	CARB E.O. VR-203, Exhibit 8	Vapor Pressure Sensor Verification P/A	Initial	Y	Y
BAAQMD Condition #24297 Part 7e:	Initial Compliance Demonstration requirements	Veeder-Root Vapor Polisher Operability Test. E.O. VR-203, Exhibit 11	CARB E.O. VR-203, Exhibit 11	Vapor Pressure Operability Test P/A	Initial	Y	Y
BAAQMD Condition #24297 Part 7b, 7f:	Initial Compliance Demonstration requirements	Veeder-Root Vapor Polisher Emissions Test - E.O. VR-203, Exhibit 12	CARB E.O. VR-203, Exhibit 12	Vapor Polisher Emissions Test P/A	Initial	Y	Y
BAAQMD Condition #24297 Part 8:	Source Test Notification	48 hours prior to testing; test results submitted within 30 days			Initial	Y	Y
BAAQMD	Coaxial Hose Assembly maximum	15 feet					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV- & Table VII--A Source-specific Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements S-1 GASOLINE DISPENSING FACILITY							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Condition #24297 Part 9:	length						
BAAQMD Condition #24297 Part 10:	Gasoline Dispensing Rate	≤10.0 gallons per minute and ≥ 6.0 gallons per minute	CARB E.O. VR-203, Ex. 5		Initial	Y	Y
BAAQMD Condition #24297 Part 11:	Vapor pressure sensor installation	Closest to the underground tanks					Y
BAAQMD Condition #24297 Part 12:	Printer requirement						Y
BAAQMD Condition #24297 Part 13:	Veeder-Root Vapor Polisher shall be on and in automatic vapor processor mode with the inlet valve in the open position						Y
BAAQMD Condition #24297 Part 14:	Outlet of Veeder-Root Polisher	At least 12 feet above grade					Y
BAAQMD Condition #24297 Part 15:	OSHA- approved access to the Veeder-Root Vapor Polisher						Y
BAAQMD Condition #24297 Part 16:	Maintenance and Operation of EVR Phase II Vapor Recovery System	According to System Operating Manual approved by CARB					Y
BAAQMD Condition #24297 Part 17:	Security Tags on the Veeder-Root Vapor Polisher						Y
BAAQMD Condition #24297 Part 18:	Headspace requirement	VST EVR Phase II Vapor Recovery System shall be connected by a manifold below grade at the tanks and/or a manifold between the vent lines.					Y
BAAQMD Condition #24297	Major modification of underground vapor piping requirement	At least 2" from the vent stack or dispensers to the first manifold					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV- & Table VII--A Source-specific Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements S-1 GASOLINE DISPENSING FACILITY							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 19:		and a minimum of 3" in diameter from the manifold to the underground tanks, with the headspace of all tanks connected by a below-grade manifold. The piping shall slope down towards the lowest octane tank with a minimum slope of 1/8" per linear foot.					
BAAQMD Condition #24297 Part 20:	Prohibition of condensate traps or knock-out pots						Y
BAAQMD Condition #24297 Part 21:	CARB certified pressure/vacuum relief valve requirement	Phase I E.O.. Vents pipes may be manifolded to reduce the number of relief valves needed. No relief valve shall be installed on the Veeder-Root Vapor Polisher outlet.					Y
BAAQMD Condition #24297 Part 22:	Installation and startup requirements for Veeder-Root EVR system and TLS console	Trained contractors					Y
BAAQMD Condition #24298 Part 1:	Installation, operation, maintenance in accordance with CARB E.O. VR-203, Section 41954(f)						Y
BAAQMD Condition #24298 Part 2:	Recordkeeping Requirements						Y
BAAQMD Condition #24298 Part 3:	Leak Free and Vapor Tight	Leak free: ≤ 3 drops/min; Vapor Tight: leak of less than 100 percent of the lower explosive limit on a combustible gas detector measured at a distance of 1 inch from the source or absence	8-7-407	8-7-602 P/A	Annually	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV- & Table VII--A Source-specific Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements S-1 GASOLINE DISPENSING FACILITY							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		of a leak as determined by the District Manual of Procedures, Volume IV, ST-30 or CARB Method TP-201.3					
BAAQMD Condition #24298 Part 4a:	On-going Compliance Demonstration requirements	Static Pressure Performance Test – TP-201.3	CARB E.O. VR-203	Annual Static Pressure Performance Test P/A	Annually	Y	Y
BAAQMD Condition #24298 Part 4b:	On-going Compliance Demonstration requirements	Dynamic Back Pressure not to exceed 0.35" WC @ 60 CFH and 0.62" WC @ 80 CFH	CARB E.O. VR-203	Annual Dynamic Back Pressure Test P/A	Annually	Y	Y
BAAQMD Condition #24298 Part 4c:	On-going Compliance Demonstration requirements	Liquid Removal Test per CARB E.O. VR-203, Exhibit 5, Option 1	CARB E.O. VR-203	Annual Liquid Removal Test P/A	Annually	Y	Y
BAAQMD Condition #24298 Part 4d:	On-going Compliance Demonstration requirements	Vapor Pressure Sensor Verification Test per E.O. VR-203, Exhibit 8,	CARB E.O. VR-203	Annual Vapor Pressure Sensor Verification P/A	Annually	Y	Y
BAAQMD Condition #24298 Part 4e:	On-going Compliance Demonstration requirements	Veeder-Root Vapor Polisher Operability Test. E.O. VR-203, Exhibit 11	CARB E.O. VR-203	Annual Vapor Pressure Operability Test P/A	Annually	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV- & Table VII--A Source-specific Applicable Requirements, Applicable Limits- & Compliance Monitoring Requirements S-1 GASOLINE DISPENSING FACILITY							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Condition #24298 Part 4f:	On-going Compliance Demonstration requirements	Veeder-Root Vapor Polisher Emissions Test - E.O. VR-203, Exhibit 12	CARB E.O. VR-203	Annual Vapor Polisher Emissions Test P/A	Annually	Y	Y
BAAQMD Condition #24298 Part 5:	Source Test 48-hour Advance Notification Requirements						Y
BAAQMD Condition #24298 Part 6:	Coaxial Hose Assembly maximum length	15 feet					Y
BAAQMD Condition #24298 Part 7:	Gasoline Dispensing Rate	≤10.0 gallons per minute and ≥ 6.0 gallons per minute	CARB E.O. VR-203, Ex. 5				Y
BAAQMD Condition #24298 Part 8:	Printer and data access requirement						Y
BAAQMD Condition #24298 Part 9:	Veeder-Root Vapor Polisher shall be on and in automatic vapor processor mode with the inlet valve in the open position						Y
BAAQMD Condition #24298 Part 10:	OSHA- approved access to the Veeder-Root Vapor Polisher						Y
BAAQMD Condition #24298 Part 11:	Security Tags on the Veeder-Root Vapor Polisher						Y
BAAQMD Condition #24298 Part 12:	CARB certified pressure/vacuum relief valve requirement for each storage tank vent pipe						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-17 Clinker Transfer Area abated by A-436 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition # 24781, Part 5	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition # 24781, Part 5	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to lb/hr	BAAQMD Condition #24621, Part 2 & CAM Condition # 24781, Part 10	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition # 24781, Part 5	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-1-301	Ringelmann Number 1 Limitation	OPACITY	BAAQMD	Visual	Once	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-17 Clinker Transfer Area abated by A-436 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		Ringelmann 1.0 for < 3 min/hr	CAM condition #24781, Part 1	Inspection (M22) P/M	every six months		
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition # 24781, Part 5	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to lb/hr	BAAQMD Condition #24621, Part 2 & CAM Condition # 24781, Part 10	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
9-13-302	Opacity	< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1	BAAQMD 9-13-609	Visual Inspection (M9)		Y	N
9-13-304	Fugitive Dust Mitigation Control Measures	Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan		Visual Inspection (M9)		Y	N
9-13-502	Production Monitor	Hourly Clinker Production		Weigh Scale P/H	Monthly	Y	N
9-13-609	Determination of Visible Emissions		BAAQMD Manual of Procedures, Volume 1, Part 1	VE	Y	Y	N

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-17 Clinker Transfer Area abated by A-436 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						<u>Y</u>
63.14	Incorporation by Reference						<u>Y</u>
63.15	Availability/Availability of Information						<u>Y</u>
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (79/279/150)						
63.1340(a)	Applicability						<u>Y</u>
63.1340(b)(7)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						<u>Y</u>
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2)	M9		<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-17 Clinker Transfer Area abated by A-436 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			63.1350(f)(1)	Initial M22 P/M			
63.1347	Operation & Maintenance Plan Requirements	<u>Written operations and maintenance plan</u>			<u>Y</u>	Y	Y
63.1347(a)(1)	<u>Procedures for Proper O&M of Affected Source and Air Pollution Control Devices</u>						<u>Y</u>
63.1348(a)(2)	<u>Initial Compliance Requirements</u>	Opacity 10%	63.1349(b)(2)	M9 Initial			<u>Y</u>
63.1348(b)	<u>Continuous Compliance Requirements</u>	Opacity 10%	63.1350(f)(1)	M22 P/M			<u>Y</u>
63.1348(e)	<u>Changes in Operations</u>						
63.1348(d)	<u>General Duty to Minimize Emissions</u>						
63.1348(a)(2)	<u>Initial Compliance Requirements</u>	Opacity <u>Compliance Compliance</u>	63.1349(b)(2)	Initial	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(b)(1)(iv)	<u>Continuous Clinker Production</u>	<u>Hourly Production Rate</u>	63.1350(d)	P/H	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(b)(3)	<u>Continuous Opacity Compliance</u>		63.1350(f)	P/M	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(d)	<u>Duty to Minimize Emissions</u>	<u>Good Air Pollution Practices</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1349(a)	Performance test reports	Test description, method, etc...			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins <u>avge</u>) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test			<u>Initial</u> Y	Y	Y
63.1349(e)	<u>Performance Test conducted under representative performance Conditions of Performance Tests</u>	<u>Performance test conducted under representative performance conditions</u>			<u>Y</u>	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-17 Clinker Transfer Area abated by A-436 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
<u>63.1350(d)</u>	<u>Clinker Production Monitoring Requirements</u>	<u>Weigh scale system to measure tons-mass/hr of clinker or feed within + 5% accuracy</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1350(f)</u>	<u>Opacity Monitoring Requirements</u>	<u>M22 10 mins monthly; if no VE for 6-mon, reduce to Semi-AnnualSemiannual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE.</u>		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)(1)(i)	Opacity Monitor Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M			Y
63.1350(f)(1)(ii)	Opacity Monitor Requirement	<u>If no visible observed in 6 consecutive monthly tests, reduce M22 to semi-annual; if VE observed during semi-annual, revert to monthly</u> If no visible observed in 6 consecutive tests, reduce M22 to semi-annual		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitor Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; <u>if VE observed during annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitor Requirement	If visible -VE observed during any M22 tests, <u>conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u> conduct 5-6 mins of M9 within 1 hour		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 <u>does not</u> apply to enclosed conveying system transfer point; <u>subject to O&M Plan requirements</u>		<u>O&M Plan</u>			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 <u>according to (f)(i) – f(iv) for at least 10 mins</u>		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 <u>from side, roof and vent for at least 10 mins</u>		M22			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-17 Clinker Transfer Area abated by A-436 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(f)(3)	Corrective Actions	Within 1 hour	63.1347	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		Check <u>Using a manometer,</u> check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					Y
63.1350(o)	<u>Alternate Monitoring Requirements Approval</u>	<u>Submit an application to the Administrator for approval of alternate monitoring requirements</u>				<u>Y</u>	<u>Y</u>
63.1350(p)	Development and Submittal of Monitoring Plans			Check gauge calibration P/Q			Y
63.1351(a)(1)	<u>Compliance date Date June 14, 2002</u>	<u>June 14, 2002 for existing source commenced construction before or on March 24, 1998</u>					<u>Y</u>
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63, Subpart A		<u>Y</u>	<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-17 Clinker Transfer Area abated by A-436 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1354(b)(2)	Opacity observation reporting		<u>63.1349</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4)	Semiannual reporting of O&M and SSM actions consistent with the plans	If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
<u>63.13454(b)(2)</u>	<u>Semiannual Report</u>	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI)</u>			<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit				<u>Y</u>	Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/Q Visual Inspection (M22) P/M	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-17 Clinker Transfer Area abated by A-436 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Condition #16109							
Part 1	Visible Emissions (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD CAM condition # 24781, Part 5	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 2	Abatement Requirement (Regulation 2-2-12 Cumulative Increase, BACT)						Y
Part 3	Outlet grain loading Limitations (Basis: Regulation 2-2-301.1 (BACT))	PM10 0.006 gr/dscf	BAAQMD CAM condition # 24781, Part 5	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 5	(Regulation 2-2-212 Cumulative Increase)	THROUGHPUT Cement loads < 70,000 trucks/ rolling 12 month period	BAAQMD condition # 16109, part 6	Log/Record Keeping P/M	Once every six months	Y	Y
Part 6	Record Keeping (Basis: Cumulative Increase)						Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)			Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
BAAQMD Condition # 24781	CAM Condition						
Part 1	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart LLL)	M22 monthly		P/M			Y
Part 2	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	< 0.5 or > 10 inch water					Y
Part 3	Pressure monometer requirement	Minimum Accuracy < 0.5 inch					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-17 Clinker Transfer Area abated by A-436 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	(40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	water					
Part 4	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 5	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Quarterly		P/Q			Y
Part 6	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 7	Gauges Calibration (40 CFR Part 63, Subpart LLL, 40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 8	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 9	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Annually		P/A			Y
Part 10	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5_yrs		Y	Y
Part 11	Recordkeeping (Regulation -2-6-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 Clinker Storage Area Abated by A-10, A-447, A-448, A-449, and A-450 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, 4.0 lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM	Pressure Drop	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 Clinker Storage Area Abated by A-10, A-447, A-448, A-449, and A-450 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			condition #24781, Part 5	Monitoring P/M			
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, 4.0 lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-502</u>	<u>Production Monitor</u>	<u>Hourly Clinker Production</u>			<u>Y</u>	<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 Clinker Storage Area Abated by A-10, A-447, A-448, A-449, and A-450 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
9-13-609	Determination of Visible Emissions		BAAQMD Manual of Procedures, Volume 1, Part 1	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						<u>Y</u>
63.14	Incorporation by Reference						<u>Y</u>
63.15	Availability of Information						<u>Y</u>
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (7/27/15) (9/9/10)						
63.1340(a)	Applicability						Y
63.1340(b)(6)	Applicability						<u>Y</u>
63.1341	Definitions						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 Clinker Storage Area Abated by A-10, A-447, A-448, A-449, and A-450 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1342	Standards: General	<u>40 CFR part 63, subpart A</u>					Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 P/M		<u>Y</u>	Y
63.1347	Operation & Maintenance Plan Requirements	<u>Written operations and maintenance plan</u>			<u>Y</u>	Y	Y
63.1347(a)(1)	Procedures for Proper O&M of Affected Source and Air Pollution Control Devices						Y
63.1348(a)(2)	Initial Compliance Requirements	Opacity 10%	63.1349(b)(2)	M9 Initial			Y
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect CEMs data and hourly clinker production rate	63.1350 & 63.1350(e)			Y	Y
63.1348(b)(3)(i)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(1)	M22 P/M			Y
63.1348(e)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
<u>63.1348(a)(2)</u>	<u>Initial Compliance Requirements</u>	<u>Opacity Compliance</u>	<u>63.1349(b)(2)</u>			<u>Y</u>	<u>Y</u>
<u>63.1348(b)(1)(iv)</u>	<u>Continuous Clinker Production</u>	<u>Hourly Production Rate</u>	<u>63.1350(d)</u>	<u>P/H</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1348(b)(3)</u>	<u>Continuous Opacity Compliance</u>		<u>63.1350(f)</u>	<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1348(d)</u>	<u>Duty to Minimize Emissions</u>	<u>Good Air Pollution Practices</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1349(a)	Performance test reports	Test description, method, etc...			Y	<u>Y</u>	Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins avge) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 Clinker Storage Area Abated by A-10, A-447, A-448, A-449, and A-450 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test			<u>Initial</u> Y	Y	Y
63.1349(e)	<u>Conditions of Performance Tests</u> Performance Test conducted under representative performance	<u>Performance test conducted under representative performance conditions</u>			<u>Y</u>	Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
<u>63.1350(d)</u>	<u>Clinker Production Monitoring Requirements</u>	<u>Weigh scale system to measure tons-mass/hr of clinker or feed within + 5% accuracy</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1350(f)</u>	<u>Opacity Monitoring Requirements</u>	<u>M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u>		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)(1)(i)	Opacity Monitoring Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M		<u>Y</u>	Y
63.1350(f)(1)(ii)	Opacity Monitoring Requirement	If no visible observed in 6 consecutive <u>monthly</u> tests, reduce M22 to semi-annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/SA		<u>Y</u>	Y
63.1350(f)(1)(iii)	Opacity Monitoring Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; <u>if VE observed during annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitoring Requirement	If <u>visible-VE</u> observed during any M22 tests, <u>conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u> <u>conduct 5-6 mins of M9 within 1 hour</u>		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitoring Requirement	M22 do not apply to enclosed conveying system transfer point; <u>subject to O&M Plan requirements</u>		<u>O&M Plan</u>			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 Clinker Storage Area Abated by A-10, A-447, A-448, A-449, and A-450 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 for at least 10 mins <u>according to (f)(i) – f(iv)</u>		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 <u>from side, roof and vent</u> for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour	<u>63.1347</u>	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		<u>Using ae manometer, c</u> Check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer’s specified maximum pressure range or install a new pressure sensor					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal of Monitoring Plans					<u>Y</u>	Y
63.1351(a)(1)	Compliance Ddate June 14, 2002	June 14, 2002 for existing source commenced construction before or on March 24, 1998					Y
63.1353(a)	Notification Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 Clinker Storage Area Abated by A-10, A-447, A-448, A-449, and A-450 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1354(a)	Reporting Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		<u>63.1349</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4)(9)	Semiannual reporting of O&M and SSM actions consistent with the plans	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures</u>			Once every six months	Y	Y
63.1354(b)(5)	<u>Notification of actions not consistent with O&M and SSM plans</u>	<u>If action during startup, shutdown, or malfunction is NOT consistent with procedures</u>			<u>Within 2 working days</u>	<u>Y</u>	<u>Y</u>
63.1354(c)	<u>Semiannual Report Failure to meet standard</u>	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit				<u>Y</u>	Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/M Visual Inspection (M22) P/M	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 Clinker Storage Area Abated by A-10, A-447, A-448, A-449, and A-450 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
64.10	Savings Provisions						Y
BAAQMD Condition # 18475							
Part 1	Throughput Limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Material stored not to exceed 1.75 million tons/yr	BAAQMD condition # 18475, part 6	Log/Record Keeping P/M	Once every six months	Y	Y
Part 2	Abatement Requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Abatement detection device (Basis: Cumulative Increase)						Y
Part 4	Visible Emission (Basis: Regulation 1-301 Public Nuisance)						Y
Part 5	Opacity Limitation (Basis: BACT, Regulation 6-1-301, Cumulative Increase)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	Y
Part 6	Record keeping (Basis: Cumulative Increase)						
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, total lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
BAAQMD Condition # 24781	CAM Condition						
Part 1	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart	M22 monthly		P/M			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 Clinker Storage Area Abated by A-10, A-447, A-448, A-449, and A-450 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	LLL)						
Part 2	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	< 0.5 or > 10 inch water					Y
Part 3	Pressure monometer requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy < 0.5 inch water					Y
Part 4	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 5	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Monthly		P/M			Y
Part 6	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 7	Gauges Calibration (40 CFR Part 63, Subpart LLL, 40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 8	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 9	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Annually		P/A			Y
Part 10	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5 yrs		Y	Y
Part 11	Recordkeeping (Regulation -26-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- D Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-21 Roll Press Clinker Surge Bin (6-SS-1) and Feeder (6-WF-1) abated by A-13 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition # 24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM Condition # 24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM Condition # 24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM Condition # 24781, Part 5	Pressure Drop Monitoring	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- D Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-21 Roll Press Clinker Surge Bin (6-SS-1) and Feeder (6-WF-1) abated by A-13 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/M			
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to lb/hr	BAAQMD CAM Condition # 24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedures, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- D Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-21 Roll Press Clinker Surge Bin (6-SS-1) and Feeder (6-WF-1) abated by A-13 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						<u>Y</u>
63.14	Incorporation by Reference						<u>Y</u>
63.15	Availability/Availability of Information						<u>Y</u>
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
63.1340(a)	Applicability						<u>Y</u>
63.1340(b)(6)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						☒
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 P/M		<u>Y</u>	Y
63.1347	Operation & Maintenance Plan Requirements	Written operations and maintenance plan			<u>Y</u>	Y	Y
63.1347(a)(1)	Procedures for Proper O&M of Affected Source and Air Pollution						☒

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- D Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-21 Roll Press Clinker Surge Bin (6-SS-1) and Feeder (6-WF-1) abated by A-13 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Control Devices						
63.1348(a)(2)	Initial Compliance Requirements	Opacity 10%	63.1349(b)(2)	M9 Initial			Y
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect CEMs data	63.1350 & 63.1350(e)			Y	Y
63.1348(b)(3)(i)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(1)	M22 P/M			Y
63.1348(e)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1348(a)(2)	<u>Initial Compliance Requirements</u>	<u>Initial Opacity Compliance</u>	<u>63.1349(b)(2)</u>	<u>Initial</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(b)(1)(iv)	<u>Continuous Clinker Production</u>	<u>Hourly Production Rate</u>	<u>63.1350(d)</u>	<u>P/H</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(b)(3)	<u>Continuous Opacity Compliance</u>		<u>63.1350(f)</u>	<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(d)	<u>Duty to Minimize Emissions</u>	<u>Good Air Pollution Practices</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1349(a)	Performance test reports	Test description, method, etc...			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test		<u>Initial</u>	<u>Initial Y</u>	Y	Y
63.1349(e)	<u>Conditions of Performance Tests</u> Performance Test conducted under representative performance	<u>Performance Test conducted under representative performance conditions</u>			<u>Y</u>	Y	Y
63.1350(a)	Monitoring Requirements	<u>Startup & shutdown averaged separately from normal operation</u>					Y
<u>63.1350(f)</u>	<u>Opacity Monitoring Requirements</u>	<u>M22 10 mins monthly; if no</u>		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- D Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-21 Roll Press Clinker Surge Bin (6-SS-1) and Feeder (6-WF-1) abated by A-13 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u>					
63.1350(f)(1)(i)	Opacity Monitoring Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M		<u>Y</u>	Y
63.1350(f)(1)(ii)	Opacity Monitoring Requirement	If no visible observed in 6 consecutive <u>monthly</u> tests, reduce M22 to semi-annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/SA		<u>Y</u>	Y
63.1350(f)(1)(iii)	Opacity Monitoring Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; <u>if VE observed during annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitoring Requirement	If visible observed during any M22 tests, <u>conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u> <u>conduct 5-6 mins of M9 within 1 hour</u>		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; <u>subject to O&M Plan requirements</u>		<u>O&M Plan</u>			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 <u>-according to (f)(i) – f(iv) for at least 10 mins</u>		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 <u>from side, roof and vent for at least 10 mins</u>		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour	<u>63.1347</u>	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- D Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-21 Roll Press Clinker Surge Bin (6-SS-1) and Feeder (6-WF-1) abated by A-13 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		transducer with a minimum tolerance of 1 % of the pressure range					
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		Using a manometer, C Check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal of Monitoring Plans					<u>Y</u>	Y
63.1351(a)(1)	Compliance date Date June 14, 2002	June 14, 2002 for existing source commenced construction before or on March 24, 1998					<u>Y</u>
63.1353(a)	Notification Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		<u>63.1349</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4) 9)	Semiannual reporting of O&M and SSM actions consistent with the plans	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI)</u> If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with			Within 2 working days	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- D Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-21 Roll Press Clinker Surge Bin (6-SS-1) and Feeder (6-WF-1) abated by A-13 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		procedures					
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period equally spaced over each hour	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/M Visual Inspection (M22) P/M	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once	OPACITY		Source Test	Once every	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- D Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-21 Roll Press Clinker Surge Bin (6-SS-1) and Feeder (6-WF-1) abated by A-13 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	every five years (Regulation 6-1	Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		P/once every 5 yrs	5 yrs		
BAAQMD Condition # 24781	CAM Condition						
Part 1	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart LLL)	M22 monthly		P/M			Y
Part 2	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	< 0.5 or > 10 inch water					Y
Part 3	Pressure monometer requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy < 0.5 inch water					Y
Part 4	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 5	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Monthly		P/M			Y
Part 6	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 7	Gauges Calibration (40 CFR Part 63, Subpart LLL, 40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 8	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 9	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Annually		P/A			Y
Part 10	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5yrs		Y	Y
Part 11	Recordkeeping (Regulation -26-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- E Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-45 WEST SILO TOP CEMENT DISTRIBUTION TOWER ABATED BY A-433 DUST COLLECTOR, S-46 MIDDLE SILO TOP DISTRIBUTION TOWER ABATED BY A-434 DUST COLLECTOR, S-47 EAST SILO TOP DISTRIBUTION TOWER ABATED BY A-435 DUST COLLECTOR,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
6-305	Visible Particles						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- E Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-45 WEST SILO TOP CEMENT DISTRIBUTION TOWER ABATED BY A-433 DUST COLLECTOR, S-46 MIDDLE SILO TOP DISTRIBUTION TOWER ABATED BY A-434 DUST COLLECTOR, S-47 EAST SILO TOP DISTRIBUTION TOWER ABATED BY A-435 DUST COLLECTOR,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedures, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
NESHAP, 40 CFR, Part 63	General Provisions (4/20/06)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- E Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-45 WEST SILO TOP CEMENT DISTRIBUTION TOWER ABATED BY A-433 DUST COLLECTOR, S-46 MIDDLE SILO TOP DISTRIBUTION TOWER ABATED BY A-434 DUST COLLECTOR, S-47 EAST SILO TOP DISTRIBUTION TOWER ABATED BY A-435 DUST COLLECTOR,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Subpart A							
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						<u>Y</u>
63.14	Incorporation by Reference						<u>Y</u>
63.15	Availability/Availability of Information						<u>Y</u>
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
63.1340(a)	Applicability						<u>Y</u>
63.1340(b)(8 <u>6</u>)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22		<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- E Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-45 WEST SILO TOP CEMENT DISTRIBUTION TOWER ABATED BY A-433 DUST COLLECTOR, S-46 MIDDLE SILO TOP DISTRIBUTION TOWER ABATED BY A-434 DUST COLLECTOR, S-47 EAST SILO TOP DISTRIBUTION TOWER ABATED BY A-435 DUST COLLECTOR,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/M			
63.1347	Operation & Maintenance Plan Requirements	<u>Written operations and maintenance Plan</u>			<u>Y</u>	Y	Y
63.1347(a)(1)	<u>Procedures for Proper O&M of Affected Source and Air Pollution Control Devices</u>						<u>Y</u>
63.1348(a)(2)	<u>Initial Compliance Requirements</u>	Opacity 10%	63.1349(b)(2)	M9 Initial			<u>Y</u>
63.1348(b)(3)(i)	<u>Continuous Compliance Requirements</u>	Opacity 10%	63.1350(f)(1)	M22 P/M			<u>Y</u>
63.1348(e)	<u>Changes in Operations</u>						<u>Y</u>
63.1348(d)	<u>General Duty to Minimize Emissions</u>						<u>Y</u>
63.1348(a)(2)	<u>Initial Compliance Requirements</u>	<u>Initial Opacity Compliance</u>	63.1349(b)(2)	<u>Initial</u>		<u>Y</u>	<u>Y</u>
63.1348(b)(1)(iv)	<u>Continuous Clinker Production</u>	<u>Hour Production Rate</u>	63.1350(d)	<u>P/H</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(b)(3)	<u>Continuous Opacity Compliance</u>		63.1350(f)		<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(d)	<u>Duty to Minimize Emissions</u>	<u>Good Air Pollution Practices</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1349(a)	Performance test reports	Test description, method, etc...			Y	<u>Y</u>	Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins avge) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test		<u>Initial</u>	<u>InitialY</u>	Y	Y
63.1349(e)	<u>Conditions of Performance Tests</u> Performance Test conducted	<u>Performance test conducted under representative</u>			<u>Y</u>	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII- E</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-45 WEST SILO TOP CEMENT DISTRIBUTION TOWER ABATED BY A-433 DUST COLLECTOR, S-46 MIDDLE SILO TOP DISTRIBUTION TOWER ABATED BY A-434 DUST COLLECTOR, S-47 EAST SILO TOP DISTRIBUTION TOWER ABATED BY A-435 DUST COLLECTOR,</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	under representative performance	performance conditions					
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
63.1350(d)	Clinker Production Monitoring Requirements	Weigh scale system to measure tons mass/hr of clinker or feed within ± 5% accuracy			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)	Opacity Monitoring Requirements	<u>M22 10 mins monthly; if no VE for 6-months, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u>		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)(1)(i)	Opacity Monitoring Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M		<u>Y</u>	Y
63.1350(f)(1)(ii)	Opacity Monitoring Requirement	If no visible observed in 6 consecutive <u>monthly</u> tests, reduce M22 to semi-annual; if <u>VE observed during semi-annual, revert to monthly</u>		M22 P/SA		<u>Y</u>	Y
63.1350(f)(1)(iii)	Opacity Monitoring Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; if <u>VE observed during semi-annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitoring Requirement	If visible-VE observed during any M22 tests, <u>conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u> conduct 5-6 mins of M9 within 1 hour		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; <u>subject to O&M Plan requirements</u>		<u>O&M Plan</u>			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 <u>according to (f)(i) – (iv) for at least 10 mins</u>		M22			Y
63.1350(f)(1)	Building Opacity Monitor	M22 <u>from side, roof and vent</u>		M22			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- E Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-45 WEST SILO TOP CEMENT DISTRIBUTION TOWER ABATED BY A-433 DUST COLLECTOR, S-46 MIDDLE SILO TOP DISTRIBUTION TOWER ABATED BY A-434 DUST COLLECTOR, S-47 EAST SILO TOP DISTRIBUTION TOWER ABATED BY A-435 DUST COLLECTOR,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
(vii)	Requirement	for at least 10 mins					
63.1350(f)(3)	Corrective Actions	Within 1 hour	63.1347	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		<u>Using a manometer, c</u> Check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				<u>Y</u>	<u>Y</u>
63.1350(p)	Development and Submittal of Monitoring Plans					<u>Y</u>	Y
63.1351(a)(1)	Compliance D ate June 14, 2002	June 14, 2002 for existing source commenced construction before or on March 24, 1998					Y
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- E Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-45 WEST SILO TOP CEMENT DISTRIBUTION TOWER ABATED BY A-433 DUST COLLECTOR, S-46 MIDDLE SILO TOP DISTRIBUTION TOWER ABATED BY A-434 DUST COLLECTOR, S-47 EAST SILO TOP DISTRIBUTION TOWER ABATED BY A-435 DUST COLLECTOR,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1354(a)	Reporting Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		<u>63.1349</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4)(2)	Semiannual reporting of O&M and SSM actions consistent with the plans	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures</u>			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	<u>Semiannual Report Failure to meet standard</u>	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/Q Visual Inspection (M22) P/M	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- E Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-45 WEST SILO TOP CEMENT DISTRIBUTION TOWER ABATED BY A-433 DUST COLLECTOR, S-46 MIDDLE SILO TOP DISTRIBUTION TOWER ABATED BY A-434 DUST COLLECTOR, S-47 EAST SILO TOP DISTRIBUTION TOWER ABATED BY A-435 DUST COLLECTOR,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	requirements						
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition #16109							
Part 1	Visible Emissions (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann1.0 < 3 min/hr	BAAQMD CAM Condition #24781, Part 1	Visual Inspection P/M	Once every six months	Y	Y
Part 2	Abatement Requirement (Regulation 2-2-12 Cumulative Increase, BACT)						Y
Part 3	Outlet grain loading Limitations (Basis: Regulation 2-2-301.1 (BACT))	PM10 0.006 gr/dscf	BAAQMD CAM Condition #24781, Part 5	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 6	Record Keeping (Basis: Cumulative Increase)						Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)			Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
BAAQMD Condition # 24781	CAM Condition						
Part 1	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart	M22 monthly		P/M			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII- E~~

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-45 WEST SILO TOP CEMENT DISTRIBUTION TOWER ABATED BY A-433 DUST COLLECTOR,
 S-46 MIDDLE SILO TOP DISTRIBUTION TOWER ABATED BY A-434 DUST COLLECTOR,
 S-47 EAST SILO TOP DISTRIBUTION TOWER ABATED BY A-435 DUST COLLECTOR,**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	LLL)						
Part 2	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	< 0.5 or > 10 inch water					Y
Part 3	Pressure monometer requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy < 0.5 inch water					Y
Part 4	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 5	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Quarterly		P/Q			Y
Part 6	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 7	Gauges Calibration (40 CFR Part 63, Subpart LLL, 40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 8	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 9	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Annually		P/A			Y
Part 10	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5yrs		Y	Y
Part 11	Recordkeeping (Regulation -26-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- F Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-48 Bulk Cement Loadout Tank #1 & 2 abated by A-420, A-421, A-422, and A-428 Dust Collectors, S-49 Bulk Cement Loadout Tank #28 abated by A-423, A-424, A-427, and A-429 Dust Collectors, S-50 Bulk Cement Loadout Tank #29 abated by A-425, A-426, A-427, and A-429 Dust Collectors, S-54 Cement Packer #1 abated by A-430 Dust Collector, S-55 Cement Packer #2 abated by A-431 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301 (S-48, S-49 and S-50)	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-301 (S-54 and S-55)	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 20751, part 3b	Visual Inspection (M22) P/Q	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310 (S-48, S-49 and S-50)	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	N
6-1-310 (S-54 and S-55)	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311 (S-48, S-49 and S-50)	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, 4.0 lb/hr	BAAQMD CAM condition #24781, Part 10	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-311 (S-54 and S-55)	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, 4.0 lb/hr	BAAQMD CAM condition #24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-48 Bulk Cement Loadout Tank #1 & 2 abated by A-420, A-421, A-422, and A-428 Dust Collectors,
 S-49 Bulk Cement Loadout Tank #28 abated by A-423, A-424, A-427, and A-429 Dust Collectors,
 S-50 Bulk Cement Loadout Tank #29 abated by A-425, A-426, A-427, and A-429 Dust Collectors,
 S-54 Cement Packer #1 abated by A-430 Dust Collector,
 S-55 Cement Packer #2 abated by A-431 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301 (S-48, S-49 and S-50)	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
6-301 (S-54 and S-55)	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 20751, part 3b	Visual Inspection (M22) P/Q	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310 (S-48, S-49 and S-50)	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	Y
6-310 (S-54 and S-55)	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311 (S-48, S-49 and S-50)	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition #24781, Part 10	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-311 (S-54 and S-55)	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is	BAAQMD CAM condition	Source Test P/once every	Once every 5 yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- F Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-48 Bulk Cement Loadout Tank #1 & 2 abated by A-420, A-421, A-422, and A-428 Dust Collectors, S-49 Bulk Cement Loadout Tank #28 abated by A-423, A-424, A-427, and A-429 Dust Collectors, S-50 Bulk Cement Loadout Tank #29 abated by A-425, A-426, A-427, and A-429 Dust Collectors, S-54 Cement Packer #1 abated by A-430 Dust Collector, S-55 Cement Packer #2 abated by A-431 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		process weight, ton lb/hr	#24621, Part 2	5 yrs			
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and ToxicsToxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedures, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-48 Bulk Cement Loadout Tank #1 & 2 abated by A-420, A-421, A-422, and A-428 Dust Collectors,
 S-49 Bulk Cement Loadout Tank #28 abated by A-423, A-424, A-427, and A-429 Dust Collectors,
 S-50 Bulk Cement Loadout Tank #29 abated by A-425, A-426, A-427, and A-429 Dust Collectors,
 S-54 Cement Packer #1 abated by A-430 Dust Collector,
 S-55 Cement Packer #2 abated by A-431 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
per A/N 27936 63.5	per A/N 27936 Preconstruction review and notification requirements	per A/N 27936	per A/N 27936	per A/N 27936	per A/N 27936	per A/N 27936	per A/N 27936
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						Y
63.14	Incorporation by Reference						Y
63.15	Availability/Availability of Information						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
63.1340(a)	Applicability						Y
63.1340(b)(8)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 P/M		Y	Y
63.1347	Operation & Maintenance Plan	Written operations and			Y	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-48 Bulk Cement Loadout Tank #1 & 2 abated by A-420, A-421, A-422, and A-428 Dust Collectors,
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 S-54 Cement Packer #1 abated by A-430 Dust Collector,
 S-55 Cement Packer #2 abated by A-431 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Requirements	<u>maintenance plan</u>					
63.1347(a)(1)	Procedures for Proper O&M of Affected Source and Air Pollution Control Devices						☒
63.1348(a)(2)	Initial Compliance Requirements	Opacity 10%	63.1349(b)(2)	M9 Initial			☒
63.1348(b)(3) (i)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(1)	M22 P/M			☒
63.1348(c)	Changes in Operations						☒
63.1348(d)	General Duty to Minimize Emissions						☒
63.1348(a)(2)	<u>Initial Compliance Requirements</u>	<u>Initial Opacity Compliance</u>	<u>63.1349(b)(2)</u>	<u>Initial</u>		<u>Y</u>	<u>Y</u>
<u>63.1348(b)(1)</u> <u>(iv)</u>	<u>Continuous Clinker Production</u>	<u>Hour Production Rate</u>	<u>63.1350(d)</u>	<u>P/H</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(b)(3)	<u>Continuous Opacity Compliance</u>		<u>63.1350(f)</u>	<u>M22</u> <u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(d)	<u>Duty to Minimize Emissions</u>	<u>Good Air Pollution Practices</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1349(a)	Performance test reports	Test description, method, etc...			Y	<u>Y</u>	Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins avge) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y
63.1349(b)(2) (i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2) (ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test		<u>Initial</u>	<u>Initial</u> <u>Y</u>	Y	Y
63.1349(e)	Performance Test conducted under				<u>Y</u>	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- F Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-48 Bulk Cement Loadout Tank #1 & 2 abated by A-420, A-421, A-422, and A-428 Dust Collectors, S-49 Bulk Cement Loadout Tank #28 abated by A-423, A-424, A-427, and A-429 Dust Collectors, S-50 Bulk Cement Loadout Tank #29 abated by A-425, A-426, A-427, and A-429 Dust Collectors, S-54 Cement Packer #1 abated by A-430 Dust Collector, S-55 Cement Packer #2 abated by A-431 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	representative performance conditions						
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
63.1350(d)	Clinker Production Monitoring Requirements	Weigh scale system to measure tons mass/hr of clinker or feed within ± 5% accuracy			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)	Opacity Monitoring Requirements	M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)(1)(i)	Opacity Monitoring Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M		<u>Y</u>	Y
63.1350(f)(1)(ii)	Opacity Monitoring Requirement	If no visible observed in 6 consecutive <u>monthly</u> tests, reduce M22 to semi-annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/SA		<u>Y</u>	Y
63.1350(f)(1)(iii)	Opacity Monitoring Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitoring Requirement	If visible-VE observed during any M22 tests, <u>conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u> conduct 5-6 mins of M9 within 1 hour		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitoring Requirement	M22 do not apply to enclosed conveying system transfer point; <u>subject to O&M Plan</u>		<u>O&M Plan</u>			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- F Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour	63.1347	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		<u>Using a manometer, c</u> Check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				<u>Y</u>	<u>Y</u>
63.1350(p)	Development and Submittal of Monitoring Plans					<u>Y</u>	Y
63.1351	Compliance Ddate June 14, 2002	June 14, 2002 for existing source commenced construction before or on					<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- F Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-48 Bulk Cement Loadout Tank #1 & 2 abated by A-420, A-421, A-422, and A-428 Dust Collectors, S-49 Bulk Cement Loadout Tank #28 abated by A-423, A-424, A-427, and A-429 Dust Collectors, S-50 Bulk Cement Loadout Tank #29 abated by A-425, A-426, A-427, and A-429 Dust Collectors, S-54 Cement Packer #1 abated by A-430 Dust Collector, S-55 Cement Packer #2 abated by A-431 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		March 24, 1998					
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63, Subpart A		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		63.1349		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4) (9)	Semiannual reporting of O&M and SSM actions consistent with the plans	Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			<u>Within 2 working days</u>	<u>Y</u>	<u>Y</u>
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements		40 CFR 63, Subpart A			<u>Y</u>	Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring (S-48, S-49 and S-50 only)						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 10 inches		Pressure Drop Monitoring	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- F

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-48 Bulk Cement Loadout Tank #1 & 2 abated by A-420, A-421, A-422, and A-428 Dust Collectors,
 S-49 Bulk Cement Loadout Tank #28 abated by A-423, A-424, A-427, and A-429 Dust Collectors,
 S-50 Bulk Cement Loadout Tank #29 abated by A-425, A-426, A-427, and A-429 Dust Collectors,
 S-54 Cement Packer #1 abated by A-430 Dust Collector,
 S-55 Cement Packer #2 abated by A-431 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		water		P/M Visual Inspection (M22) P/M			
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition #16109							
Part 1 (S-48, S-49 and S-50)	Visible Emissions (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
Part 1 (S-54 and S-55)	Visible Emissions (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 20751, part 3b	Visual Inspection (M22) P/Q	Once every six months	Y	Y
Part 2	Abatement Requirement (Regulation 2-2-12 Cumulative Increase, BACT)						Y
Part 3 (S-48, S-49 and S-50)	Outlet grain loading Limitations (Basis: Regulation 2-2-301.1 (BACT))	PM10 0.006 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	Y
Part 3 (S-54 and S-55)	Outlet grain loading Limitations (Basis: Regulation 2-2-301.1)	PM10 0.006 gr/dscf	BAAQMD condition	Pressure Drop	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- F Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-48 Bulk Cement Loadout Tank #1 & 2 abated by A-420, A-421, A-422, and A-428 Dust Collectors, S-49 Bulk Cement Loadout Tank #28 abated by A-423, A-424, A-427, and A-429 Dust Collectors, S-50 Bulk Cement Loadout Tank #29 abated by A-425, A-426, A-427, and A-429 Dust Collectors, S-54 Cement Packer #1 abated by A-430 Dust Collector, S-55 Cement Packer #2 abated by A-431 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
S-55)	(BACT))		# 20751, part 3b	Monitoring P/Q			
Part 5	(Regulation 2-2-212 Cumulative Increase)	THROUGHPUT Cement loads < 70,000 trucks/ rolling 12 month period	BAAQMD condition # 16109, part 6	Log/Record Keeping P/M	Once every six months	Y	Y
Part 6	Record Keeping (Basis: Cumulative Increase)						Y
BAAQMD Condition #20751	Apply to S-54 and S-55 only						
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
Part 2	Baghouse Pressure Drop Limit (Regulation 2-6-503)	Operating pressure drop range (0 to 10 inch water)	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 3 b	Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)						Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)						Y
Part 5	Annual Inspection (Regulation 2- 6-503)						Y
Part 6	Recordkeeping (Regulation 2-6- 501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- F

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-48 Bulk Cement Loadout Tank #1 & 2 abated by A-420, A-421, A-422, and A-428 Dust Collectors,
 S-49 Bulk Cement Loadout Tank #28 abated by A-423, A-424, A-427, and A-429 Dust Collectors,
 S-50 Bulk Cement Loadout Tank #29 abated by A-425, A-426, A-427, and A-429 Dust Collectors,
 S-54 Cement Packer #1 abated by A-430 Dust Collector,
 S-55 Cement Packer #2 abated by A-431 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr					
BAAQMD Condition # 24781	CAM Condition Apply to S-48, S-49 and S-50 only						
Part 1	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart LLL)	M22 monthly		P/M			Y
Part 2	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	< 0.5 or > 10 inch water					Y
Part 3	Pressure monometer requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy < 0.5 inch water					Y
Part 4	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 5	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Monthly		P/M			Y
Part 6	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 7	Gauges Calibration (40 CFR Part 63 Subpart LLL, 40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 8	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 9	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Annually		P/A			Y
Part 10	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5yrs		Y	Y
Part 11	Recordkeeping (Regulation -26-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- G Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-74 Type II Mechanical transfer System abated by A-58 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, 4.0 lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE	BAAQMD CAM	Pressure Drop	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- G Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-74 Type II Mechanical transfer System abated by A-58 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		0.15 gr/dscf	condition #24781, Part 5	Monitoring P/M			
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and ToxicToxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedures, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- G Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-74 Type II Mechanical transfer System abated by A-58 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						<u>Y</u>
63.14	Incorporation by Reference						<u>Y</u>
63.15	Availability/Availability of Information						<u>Y</u>
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
63.1340(a)	Applicability						<u>Y</u>
63.1340(b)(7)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						☒
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 P/M		<u>Y</u>	Y
63.1347	Operation & Maintenance Plan Requirements	Written operations and maintenance plan			<u>Y</u>	Y	Y
63.1347(a)(1)	Procedures for Proper O&M of						☒

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- G Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-74 Type II Mechanical transfer System abated by A-58 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Affected Source and Air Pollution Control Devices						
63.1348(a)(2)	Initial Compliance Requirements	Opacity 10%	63.1349(b)(2)	M9 Initial			Y
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect CEMs data	63.1350 & 63.1350(e)			Y	Y
63.1348(b)(3)(i)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(1)	M22 P/M			Y
63.1348(e)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1348(a)(2)	Initial Compliance Requirements	Initial Opacity Compliance	63.1349(b)(2)	Initial	Y	Y	Y
63.1348(b)(3)	Continuous Opacity Compliance		63.1350(f)	P/M	Y	Y	Y
63.1348(d)	Duty to Minimize Emissions	Good Air Pollution Practices			Y	Y	Y
63.1349(a)63.1349(a)	Performance test reports	Performance test reports	Test description, method, etc... Test description, method, etc...		Y	Y	Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(e)	Performing Testing Requirement	Performance Test Frequency		Regular Interval	Y	Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test		Initial	Initial Y	Y	Y
63.1349(e)	Conditions of Performance Tests	Performance Test Conducted Under Representative Performance	Performance test conducted under representative performance conditions		Y	Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- G Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-74 Type II Mechanical transfer System abated by A-58 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(f)	Opacity Monitoring Requirements	M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE		P/M	Y	Y	Y
63.1350(f)(1)(i)	Opacity Monitoring Requirement	10-min visible test with M22 of appendix A-7 monthly		M22 P/M		Y	Y
63.1350(f)(1)(ii)	Opacity Monitoring Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual; if VE observed during semi-annual, revert to monthly		M22 P/SA		Y	Y
63.1350(f)(1)(iii)	Opacity Monitoring Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; if VE observed during semi-annual, revert to monthly		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitoring Requirement	If VE visible observed during any M22 tests, conduct 5 6-mins of M9 within 1 hour		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; subject to O&M Plan requirements		O&M Plan			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 according to (f)(i) – f(iv) for at least 10 mins		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 from side, roof and vent for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour	63.1347	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- G Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-74 Type II Mechanical transfer System abated by A-58 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		tolerance of 1 % of the pressure range					
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		<u>Using a manometer, c</u> Check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					Y
<u>63.1350(o)</u>	<u>Alternate Monitoring Requirements Approval</u>	<u>Submit an application to the Administrator for approval of alternate monitoring requirements</u>				<u>Y</u>	<u>Y</u>
63.1350(p)	Development and Submittal of Monitoring Plans						Y
<u>63.1351(a)(1)</u>	<u>Compliance Ddate June 14, 2002</u>	<u>June 14, 2002 for existing source commenced construction before or on March 24, 1998</u>					<u>Y</u>
63.1353(a)	Notification Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting				<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4)g)	Semiannual reporting of O&M and SSM actions consistent with the plans	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures</u>			Once every six months	Y	Y
<u>63.1354(b)(5)</u>	<u>Notification of actions not consistent with O&M and SSM plans</u>	<u>If action during startup, shutdown, or malfunction is NOT consistent with procedures</u>			<u>Within 2 working days</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- G Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-74 Type II Mechanical transfer System abated by A-58 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements		40 CFR 63, Subpart A			Y	Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit				Y	Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/M Visual Inspection (M22) P/M	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition # 6655							
Part 1	Visible Particulates Requirement (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD CAM Condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
Part 2	Abatement Requirement (Regulation 2-2-12 Cumulative Increase, BACT)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- G Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-74 Type II Mechanical transfer System abated by A-58 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 3	Abatement detection device (Basis: Cumulative Increase)						Y
Part 4	Outlet Grain Loading (Basis: Regulation 2-2-301.1 BACT)	PM10 0.006 gr/dscf	BAAQMD CAM Condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	Y
Part 6	Hours of Operation (Basis: Regulation 2-2-212 Cumulative Increase)	Hours of operation 6,656 per year	BAAQMD condition # 6655, part 9	Log/Record Keeping P/D	Once every six months	Y	Y
Part 7	Shutdown of Existing Facility (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 8	Throughput Limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Cement throughput not to exceed 1.44 MM tons/yr	BAAQMD condition # 6655, part 9	Log/Record Keeping P/D	Once every six months	Y	Y
Part 9	Record Keeping Requirement (Basis: Cumulative Increase)						Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
BAAQMD Condition # 24781	CAM Condition						
Part 1	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart LLL)	M22 monthly		P/M			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- G Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-74 Type II Mechanical transfer System abated by A-58 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 2	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	< 0.5 or > 10 inch water					Y
Part 3	Pressure monometer requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy < 0.5 inch water					Y
Part 4	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 5	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Monthly		P/M			Y
Part 6	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 7	Gauges Calibration (40 CFR Part 60 Subpart LLL, 40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 8	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 9	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Annually		P/A			Y
Part 10	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5yrs		Y	Y
Part 11	Recordkeeping (Regulation -26-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- H Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-100 Precalciner Kiln Fuel Handling System abated by A-100 Water Sprays							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- H Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-100 Precalciner Kiln Fuel Handling System abated by A-100 Water Sprays							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			Procedures, Volume 1, Part 1				
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 32	Subpart Y. Standards of Performance for Coal Processing Plants (7/18/90)						Y
NSPS 40 CFR, Part 60 Subpart A	General Provisions						Y
60.7	Notification and Recordkeeping						Y
60.8	Performance Testing Requirements						Y
60.10	State Authority and Delegation						Y
60.11	Compliance with Standards and Maintenance Requirements						Y
60.12	Circumvention						Y
60.13	Monitoring Requirements						Y
60.19	Recordkeeping Requirements						Y
NSPS 40 CFR, Part 60 Subpart Y	Standards of Performance for Coal Processing Plants (10/08/09)						
60.250(d)	Applicability and Designation of Affected Facility						Y
60.251	Definitions						Y
60.252(e)	Standards for Particulate Matter	OPACITY 20%		N			Y
60.254(b)(1)	<u>Opacity</u>	<u><10%</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.254(b)(3)	<u>Exceptions</u> Exceptions during loading, unloading and conveying operations of open storage piles	<u>Not subject to 10% opacity</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.254(c)	<u>Fugitive coal dust emissions control plan</u>	<u>Open storage pile, loading, unloading and convey</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- H Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-100 Precalciner Kiln Fuel Handling System abated by A-100 Water Sprays							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
<u>60.255(b)(2)(i)</u> <u>2</u>	<u>Initial performance and subsequent tests</u>	<u>If 6-min average opacity > than half the applicable opacity, new performance test must be conducted within 90 operating days</u>	<u>60.255(f)</u>		<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.255(b)(2)(i)</u> <u>i)</u>		<u>If 6-min average opacity < than half the applicable opacity, new performance test must be conducted within 12 calendar months</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.255(c)</u>	<u>Coal processing and conveying, storage systemssystem or transfer and loading system are enclosed in a building</u>	<u>Opacity <10%</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.255(f)(1)</u>	<u>Alternative performance test to 60.255(b)(2)</u>	<u>Monitor visible emissions</u>	<u>60.255f(1)(i) through (iii)</u>		<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.255(f)(1)(i)</u> <u>2</u>	<u>One daily 15-second observation each operating day for each source</u>	<u>If Visible Emission (VE) is observed, operator must adjust operation and demonstrate within 24 hours that no VE is observed.</u> <u>If VE is obsereedobserved M9 performance test must conduct within 45 operating days</u>		<u>VE daily</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.255(f)(1)(i)</u> <u>i)</u>	<u>Conduct monthly visual observation of all process</u>	<u>If any deficiencies are observed, neccessarynecessary maintenance must be performed as expeditiously as possible</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.255(f)(1)(i)</u> <u>ii)</u>	<u>Conduct a performacetperformance test</u>	<u>M9 of Appendix A-4</u>		<u>M9 Once every 5 calendar year</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.255(f)(2)</u>	<u>Prepare written site specific monitoring plan</u>	<u>Digital opacity compliance system, observation once digital image every 15 seconds for 10-minutes periods during normal operation every operating day</u>					
<u>60.255(g)</u>	<u>Alternative performance test to 60.255(b)(2)</u>	<u>Opacity monitoring system (COMS)</u>	<u>60.255(g)(1) and (2)</u>		<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.255(h)</u>	<u>Truck dump operation</u>	<u>Opacity taken during 3 separate truck dumb events</u>	<u>60.255(h)(1) through</u>		<u>Y</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- H Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-100 Precalciner Kiln Fuel Handling System abated by A-100 Water Sprays							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			(h)(3)				
60.255(h)(1)(i)	<u>Initial performance test</u>	<u>Opacity taken during 3 separate truck dump events</u>		<u>M9</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
60.255(h)(1)(i)	<u>Determination of opacity limit</u>	<u>Average all 15-second readings made during 3 separate truck dump events</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.255(h)(2)	<u>Visual observations of all process and control equipment</u>	<u>Monthly VE. If any deficiencies are observed, necessary necessary maintenance must be performed as expeditiously as possible</u>		<u>M9</u> <u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
60.255(h)(2)	<u>Conduct a performance performance test</u>	<u>M9 of Appendix A-4</u>		<u>M9</u> <u>Once every 5 calendar year</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(1)(i)	<u>Test methods and procedures for opacity</u>	<u>M9 for 1 hour (ten 6-minute averages)</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(1)(i)	<u>Test methods and procedures for opacity</u>	<u>During 30 mins of M9, all of the 6-minutes average opacity reading are less than or equal of half of the opacity limit, observation period may be reduced to 30 mins</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(2)(i)	<u>Determine opacity for fugitive coal dust emission sources</u>	<u>Additional requirement: min distance between observer and emission source shall be 16 ft. and sun be oriented in the 140-degree sector of the back</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(2)(i)	<u>Determine opacity for fugitive coal dust emission sources</u>	<u>Additional requirement: observer position should minimize interference from other fugitive coal dust emissions and the line of vision is approximately perpendicular to the plume and wind direction</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(2)(i)	<u>Determine opacity for fugitive coal dust emission sources</u>	<u>Additional requirement: make observation at the point of greatest opacity in portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(3)(i)	<u>Determine opacity for up to 3</u>	<u>No more than 3 emissions points</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- H Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-100 Precalciner Kiln Fuel Handling System abated by A-100 Water Sprays							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	fugitive <u>fugitive</u> , stack or vent emission points within 15-second interval if the following conditions are met	may be read concurrently <u>may be read concurrently</u>					
60.257(a)(3)(i)	Determine opacity for up to 3 fugitive <u>fugitive</u> , stack or vent emission points within 15-second interval if the following conditions are met	All 3 emissions points must be within 70-degree viewing in front of the observer such that sun position can be maintained for all 3 points			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(3)(ii)	Determine opacity for up to 3 fugitive <u>fugitive</u> , stack or vent emission points within 15-second interval if the following conditions are met	If opacity reading for any 1 of 3 emissions points is within 5% opacity from the applicable standard, observer must stop taking readings for other 2 points and continue <u>continue</u> reading just that single point			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.258(a)(1)	Reporting and Recordkeeping	Keep recommended maintenance <u>maintenance</u> procedures, logbook-date & time maintenance, inspection, results			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.258(a)(2)	Reporting and Recordkeeping	Keep logbook-date & time visual observation, corrective action, results			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.258(a)(3)	Reporting and Recordkeeping	Amount, type of coal processed each month		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
60.258(a)(4)	Reporting and Recordkeeping	Amount of chemical stabilizer or water purchased each month		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
60.258(a)(5)	Reporting and Recordkeeping	Monthly certification that the dust suppressant <u>dust suppressant</u> systems were operational when any coal was processed and that manufacturer's recommendation were followed for all control systems. Any variance from the manufacturer's <u>manufacturer's</u> recommendations <u>recommendations</u> if any		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
60.258(a)(6)	Reporting and Recordkeeping	Monthly certification that the fugitive dust emissions control plan was implemented as described. Any variance from the control plan, any letters from the administrator providing		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII- H~~
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-100 Precalciner Kiln Fuel Handling System abated by A-100 Water Sprays

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>approval of any alternative control measures</u>					
60.254(b)(2)	Test Methods and Procedures						Y
BAAQMD Condition # 23942							
Part 1	Ringelmann Number 1 Limitation (Basis: Regulation 6-1-301)	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
Part 2	Abatement requirement (Basis: Cumulative Increase)						Y
Part 3	Maintenance requirement (Basis: Cumulative Increase)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- I Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-111 Rail Unloading System abated by A-111 Dust Collector, S-112 Additive Hopper Transfer System abated by A-112 Dust Collector, S-113 Additive Bin Transfer Facilities abated by A-113 and A-114 Dust Collectors, S-115 Additive Storage abated by A-115 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 20753, part 1	Visual Inspection (M22) P/Q	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ten lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	<u>Y</u>	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- I Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-111 Rail Unloading System abated by A-111 Dust Collector, S-112 Additive Hopper Transfer System abated by A-112 Dust Collector, S-113 Additive Bin Transfer Facilities abated by A-113 and A-114 Dust Collectors, S-115 Additive Storage abated by A-115 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 20753, part 1	Visual Inspection (M22) P/Q	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedures, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- I Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-111 Rail Unloading System abated by A-111 Dust Collector, S-112 Additive Hopper Transfer System abated by A-112 Dust Collector, S-113 Additive Bin Transfer Facilities abated by A-113 and A-114 Dust Collectors, S-115 Additive Storage abated by A-115 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 32	Subpart Y. Standards of Performance for Coal Processing Plants (7/18/90)						Y
<u>BAAQMD Regulation 11, Rule 1</u>	<u>Hazardous Pollutants/ Lead (3/17/82)</u>						
<u>11-1-604</u>	<u>Determination of Daily Emission Limits</u>						<u>N</u>
<u>SIP Regulation 11, Rule 1</u>	<u>Hazardous Pollutants/ Lead (6/02/80)</u>						
<u>11-1-301</u>	<u>Daily Limitation</u>	<u>LEAD 15 lb/day</u>		<u>N</u>			<u>Y</u>
NSPS 40 CFR, Part 60 Subpart A	General Provisions						Y
60.7	Notification and Recordkeeping						Y
60.8	Performance Testing Requirements						Y
60.10	State Authority and Delegation						Y
60.11	Compliance with Standards and Maintenance Requirements						Y
60.12	Circumvention						Y
60.13	Monitoring Requirements						Y
60.19	Recordkeeping Requirements						Y
NSPS 40 CFR, Part 60 Subpart Y	Standards of Performance for Coal Processing Plants (10/08/09)						
60.250(c)	Applicability and Designation of						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- I Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-111 Rail Unloading System abated by A-111 Dust Collector, S-112 Additive Hopper Transfer System abated by A-112 Dust Collector, S-113 Additive Bin Transfer Facilities abated by A-113 and A-114 Dust Collectors, S-115 Additive Storage abated by A-115 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Affected Facility						
60.251	Definitions						Y
60.252 254(ea)	Standards for Particulate Matter	OPACITY 20%	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
60.252 254(ea)	Standards for Particulate Matter	OPACITY 20%	BAAQMD condition # 20753, part 1	Visual Inspection (M22) P/Q	Once every six months	Y	Y
60.254 (a)	<u>Standard for Particulate Matter</u>	<u>Opacity 20%</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.255 (a)	<u>Performance Tests and other Compliance Requirements</u>		<u>60.8 & 60.257</u>		<u>Y</u>	<u>Y</u>	<u>Y</u>
60.256 (a)	<u>Continuous monitoring requirements</u>				<u>Y</u>	<u>Y</u>	<u>Y</u>
60.256 (a)(2)(a)	<u>Monitoring Devices</u>	Recalibrated <u>Recalibrated annually</u>	<u>60.13</u>	<u>P/A</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
60.256 (c)(1)(i)(ii)	<u>Bag leak detector</u>	<u>Equipped with alarm</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.256 (c)(1)(i)(v)	<u>Set initial range</u>	Sensitivity <u>Sensitivity, averaging period, alarm set point, alarm delay time</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.256 (c)(1)(v)	<u>Adjustment not allow</u>	<u>Without approval from the Administrator except for routine maintenance schedule and spare parts inventory list</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.256 (c)(1)(vi)	<u>Adjust sensitivity for seasonal effects</u>	<u>Temperature, humidity</u>	<u>60.256(c)(2)</u>	<u>P/Q</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
60.256 (c)(1)(vii)	<u>Location</u>	Bag leak detector installed <u>downstream of the fabric filter</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.256 (c)(1)(viii)	<u>Where multiple detectors are required</u>	<u>System's instrumentation and alarm may be shared among detectors</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- I Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-111 Rail Unloading System abated by A-111 Dust Collector, S-112 Additive Hopper Transfer System abated by A-112 Dust Collector, S-113 Additive Bin Transfer Facilities abated by A-113 and A-114 Dust Collectors, S-115 Additive Storage abated by A-115 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
60.256(c)(2)	<u>Develop and submit site specific monitoring plan for each bag leak detector</u>	<u>Install, initial and periodic adjustment, how alarm set-point is established</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.256(c)(3)	<u>Initiate procedure to determine the cause of every alarm</u>	<u>Within 1 hour of the alarm; corrective action within 3 hours</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(1)(i)	<u>Test methods and procedures for opacity</u>	<u>M9 for 1 hour (ten 6-minute averages)</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(1)(ii)	<u>Test methods and procedures for opacity</u>	<u>During 30 mins of M9, all of the 6-minutes average opacity reading are less than or equal of half of the opacity limit, observation period may be reduced to 30 mins</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(2)(i)	<u>Determine opacity for fugitive coal dust emission sources</u>	<u>Additional requirement: min distance between observer and emission source shall be 16 ft. and sun be oriented in the 140-degree sector of the back</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(2)(i)	<u>Determine opacity for fugitive coal dust emission sources</u>	<u>Additional requirement: observer position should minimize interference from other fugitive coal dust emissions and the line of vision is approximately perpendicular to the plume and wind direction</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(2)(ii)	<u>Determine opacity for fugitive coal dust emission sources</u>	<u>Additional requirement: make observation at the point of greatest opacity in portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(3)(i)	<u>Determine opacity for up to 3 fugitivefugitive, stack or vent emission points within 15-second interval if the following conditions are met</u>	<u>No more than 3 emissions points may be read concurrentlyconcurrently</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
60.257(a)(3)(i)	<u>Determine opacity for up to 3 fugitivefugitive, stack or vent</u>	<u>All 3 emissions points must be within 70-degree viewing in</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- I Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-111 Rail Unloading System abated by A-111 Dust Collector, S-112 Additive Hopper Transfer System abated by A-112 Dust Collector, S-113 Additive Bin Transfer Facilities abated by A-113 and A-114 Dust Collectors, S-115 Additive Storage abated by A-115 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	<u>emission points within 15-second interval if the following conditions are met</u>	<u>front of the observersuchobserver such that sun position can be maintained for all 3 points</u>					
<u>60.257(a)(3)(i ii)</u>	<u>Determine opacity for up to 3 fugitivefugitive, stack or vent emission points within 15-second interval if the following conditions are met</u>	<u>If opacity reading for any 1 of 3 emissions points is within 5% opacity from the applicable standard, observer must stop taking readings for other 2 points and continuecontinue reading just that single point</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.258(a)(1)</u>	<u>Reporting and Recordkeeping</u>	<u>Keep recommended maintainancmaintenance procedures, logbook-date & time maintenance, inspection, results</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.258(a)(2)</u>	<u>Reporting and Recordkeeping</u>	<u>Keep logbook-date & time visual observation, corrective action, results</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.258(a)(3)</u>	<u>Reporting and Recordkeeping</u>	<u>Amount, type of coal processed each month</u>		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.258(a)(4)</u>	<u>Reporting and Recordkeeping</u>	<u>Amount of chemical stabilizer or water purchased each month</u>		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.258(a)(5)</u>	<u>Reporting and Recordkeeping</u>	<u>Monthly certification that the spuressantsuppressant systems were operational when any coal was processed and that manufacturer's recommendation were followed for all control systems. Any variance from the manufaturere'smanufacturer's recomenationsrecommendations if any</u>		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.258(a)(6)</u>	<u>Reporting and Recordkeeping</u>	<u>Monthly certification that the fugitive dust emissions control plan was implemented as described. Any variance from the control plan, any letters from the administrator providing</u>		<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- I Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-111 Rail Unloading System abated by A-111 Dust Collector, S-112 Additive Hopper Transfer System abated by A-112 Dust Collector, S-113 Additive Bin Transfer Facilities abated by A-113 and A-114 Dust Collectors, S-115 Additive Storage abated by A-115 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>approval of any alternative control measures</u>					
<u>60.258(a)(7)</u>	<u>Reporting and Recordkeeping</u>	<u>Record for bag leak detection system</u>	<u>60.258(a)(7)(1) through (iii)</u>		<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.258(a)(8)</u>	<u>Reporting and Recordkeeping</u>	<u>A copy of any digital opacity compliance system and monthly certification that the plan was implemented</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>60.254(b)(2)</u>	<u>Test methods and procedures</u>						<u>N</u>
BAAQMD Condition # 2786							
Part C	Test facilities (Basis: Regulation 1-501)						Y
Part D	Production Rates (Basis: Regulation 2-2-212 cumulative increase)	Clinker throughput not to exceed 1.6 million tons/yr	BAAQMD condition # 2786, part D	Log/Record Keeping P/D	Once every six months	N	N
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
Part 2	Baghouse Pressure Drop Limit (Regulation 2-6-503)	Operating pressure drop range (0 to 10 inch water)	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 3b	Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)					<u>Y</u>	Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)					<u>Y</u>	Y
Part 5	Annual Inspection (Regulation 2-6-503)					<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- I Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-111 Rail Unloading System abated by A-111 Dust Collector, S-112 Additive Hopper Transfer System abated by A-112 Dust Collector, S-113 Additive Bin Transfer Facilities abated by A-113 and A-114 Dust Collectors, S-115 Additive Storage abated by A-115 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 6	Recordkeeping (Regulation 2-6-501)					<u>Y</u>	Y
BAAQMD Condition #20753							
Part 1	Quarterly EPA Method 22 Visible Emission Monitoring (Regulation 2-6-503)					<u>Y</u>	Y
Part 3	Recordkeeping (Regulation 2-6-501)					<u>Y</u>	Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, <u>lb/hr</u>		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV & Table VII- J1</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-121 Tertiary Scalping Screen (2-VS-1, 2-VS-2) abated by A-121 Dust Collector, S-122 Tertiary Crusher (2-cr-1) abated by A-121 and A-122 Dust Collectors</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter (12/05/07)</u>						
<u>6-1-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> <u>Ringelmann 1.0 for < 3 min/hr</u>	<u>40 CFR Part 64.3 (b)(4)(iii)</u> <u>BAAQMD CAM Condition # 24781, Part 16</u>	<u>Pressure Drop Monitoring</u> <u>P/Q</u>	<u>Once every six months</u>	<u>Y</u>	<u>N</u>
<u>6-1-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> <u>Ringelmann 1.0 for < 3 min/hr</u>	<u>40 CFR Part 64.3 (b)(4)(iii)</u> <u>BAAQMD CAM condition # 24781, Part 12</u>	<u>Visual Inspection (M22)</u> <u>P/Q</u>	<u>Once every six months</u>	<u>Y</u>	<u>N</u>
<u>6-1-305</u>	<u>Visible Particles</u>						<u>N</u>
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>FILTERABLE PARTICULATE</u> <u>0.15 gr/dscf</u>	<u>40 CFR Part 64.3 (b)(4)(iii)</u> <u>BAAQMD CAM condition # 24781, Part 16</u>	<u>Pressure Drop Monitoring</u> <u>P/Q</u>	<u>Once every six months</u>	<u>Y</u>	<u>N</u>
<u>6-1-311</u>	<u>General Operations</u>	<u>FILTERABLE PARTICULATE</u> <u>4.10P^{0.67} lb/hr where P is process weight, tenlb/hr</u>	<u>BAAQMD Condition #24621, Part 2</u> <u>BAAQMD CAM condition # 24781, Part 21</u>	<u>Source Test</u> <u>P/once every 5 yrs</u>	<u>Once every six months</u>	<u>Y</u>	<u>N</u>
<u>6-1-401</u>	<u>Appearance of Emissions</u>						<u>N</u>
<u>6-1-601</u>	<u>Particulate Matter, Sampling,</u>						<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV & Table VII- J1</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-121 Tertiary Scalping Screen (2-VS-1, 2-VS-2) abated by A-121 Dust Collector, S-122 Tertiary Crusher (2-cr-1) abated by A-121 and A-122 Dust Collectors</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
	<u>Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>						
<u>SIP Regulation 6</u>	<u>Particulate Matter and Visible Emissions (09/04/98)</u>						
<u>6-301</u>	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> <u>Ringelmann 1.0 for < 3 min/hr</u>	<u>BAAQMD CAM condition 24781 Part 12</u>	<u>Visual Inspection (M22)</u> <u>P/Q</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
<u>6-305</u>	<u>Visible Particles</u>						<u>Y</u>
<u>6-310</u>	<u>Particulate Weight Limitation</u>	<u>FILTERABLE PARTICULATE</u> <u>0.15 gr/dscf</u>	<u>BAAQMD CAM condition 24781 Part 16</u>	<u>Pressure Drop Monitoring</u> <u>P/Q</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
<u>6-311</u>	<u>General Operations</u>	<u>FILTERABLE PARTICULATE</u> <u>4.10P^{0.67} lb/hr where P is process weight, tonlb/hr</u>	<u>BAAQMD Condition #24621, Part 2</u> <u>BAAQMD CAM condition # 24781, Part 21</u>	<u>Source Test</u> <u>P/once every 5 yrs</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
<u>6-401</u>	<u>Appearance of Emissions</u>						<u>Y</u>
<u>6-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>						<u>Y</u>
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- J1

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-121 Tertiary Scalping Screen (2-VS-1, 2-VS-2) abated by A-121 Dust Collector, S-122 Tertiary Crusher (2-cr-1) abated by A-121 and A-122 Dust Collectors

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
9-13-304	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
9-13-609	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedures, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
<u>BAAQMD Regulation 10</u>	<u>Standards of Performance for New Stationary Sources</u>						
<u>Part 1</u>	<u>Subpart A. General Provisions (12/20/95)</u>						<u>Y</u>
<u>Part 66</u>	<u>Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)</u>						<u>Y</u>
<u>NSPS 40 CFR, Part 60 Subpart A</u>	<u>General Provisions</u>						<u>Y</u>
<u>60.2</u>	<u>Definitions</u>						<u>Y</u>
<u>60.4</u>	<u>Address</u>						<u>Y</u>
<u>60.7</u>	<u>Notification and Recordkeeping</u>					<u>Y</u>	<u>Y</u>
<u>60.8</u>	<u>Performance Testing Requirements</u>					<u>Y</u>	<u>Y</u>
<u>60.10</u>	<u>State Authority and Delegation</u>						<u>Y</u>
<u>60.11</u>	<u>Compliance with Standards and Maintenance Requirements</u>					<u>Y</u>	<u>Y</u>
<u>60.12</u>	<u>Circumvention</u>						<u>Y</u>
<u>60.13</u>	<u>Monitoring Requirements</u>					<u>Y</u>	<u>Y</u>
<u>60.19</u>	<u>Recordkeeping Requirements</u>					<u>Y</u>	<u>Y</u>
<u>NSPS 40 CFR 60 Subpart OOO</u>	<u>Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)</u>						
<u>60.670(a), (d), and (e)</u>	<u>Applicability and Designation of Affected Facilities</u>						<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- J1

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-121 Tertiary Scalping Screen (2-VS-1, 2-VS-2) abated by A-121 Dust Collector, S-122 Tertiary Crusher (2-cr-1) abated by A-121 and A-122 Dust Collectors

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
<u>60.670(f)</u>	<u>Applicability of Subpart A</u>						<u>Y</u>
<u>60.671</u>	<u>Definitions</u>						<u>Y</u>
<u>60.672(a)</u>	<u>Standard for Particulate Matter with Capture System</u>	<u>PM10</u> <u>0.022 gr/dscf</u>	<u>60.8 and</u> <u>60.675</u>	<u>Test Method</u> <u>(M5 or</u> <u>M17)</u> <u>Initial</u>	<u>Initial</u>	<u>NY</u>	<u>Y</u>
<u>60.672(a)</u>	<u>Standard for Particulate Matter with Capture System</u>	<u>OPACITY</u> <u>< 7%</u>	<u>60.8 and</u> <u>60.675</u>	<u>Visible</u> <u>Inspection</u> <u>(M9)</u> <u>Initial</u>	<u>Initial</u>	<u>YN</u>	<u>Y</u>
<u>60.672(b)</u>	<u>Standard for Particulate Matter Fugitive Emission Limits without Capture System</u>	<u>OPACITY</u> <u>< 10%</u>	<u>60.11 and</u> <u>60.675</u>	<u>Visible</u> <u>Inspection</u> <u>(M9)</u> <u>Initial</u>	<u>Initial</u>	<u>YN</u>	<u>Y</u>
<u>60.673</u>	<u>Reconstruction</u>						<u>Y</u>
<u>60.674</u>	<u>Monitoring of operations</u>					<u>Y</u>	<u>Y</u>
<u>60.675</u>	<u>Test Methods and Procedures</u>					<u>Y</u>	<u>Y</u>
<u>60.676</u>	<u>Reporting and recordkeeping</u>					<u>Y</u>	<u>Y</u>
<u>40 CFR, Part 64</u>	<u>Compliance Assurance Monitoring</u>						
<u>64.1</u>	<u>Definitions</u>						<u>Y</u>
<u>64.2</u>	<u>Applicability</u>						<u>Y</u>
<u>64.3</u>	<u>Monitoring Design Criteria</u>						<u>Y</u>
<u>64.3(b)(4)(iii)</u>	<u>Data Collection at least once per 24-hour period</u>	<u>CAM Plan:</u> <u>Pressure Drop 0.5 to 8 inches</u> <u>water</u>		<u>Pressure Drop</u> <u>Monitoring</u> <u>P/Q)</u> <u>Visual</u> <u>Inspection</u> <u>(M22) P/Q</u>	<u>Once every</u> <u>six months</u>	<u>Y</u>	<u>Y</u>
<u>64.5</u>	<u>Deadlines for submittal</u>						<u>Y</u>
<u>64.6</u>	<u>Approval of Monitoring</u>						<u>Y</u>
<u>64.7</u>	<u>Operation of Approved Monitoring</u>						<u>Y</u>
<u>64.8</u>	<u>Quality Improvement Plan (QIP) requirements</u>						<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV & Table VII- J1</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-121 Tertiary Scalping Screen (2-VS-1, 2-VS-2) abated by A-121 Dust Collector, S-122 Tertiary Crusher (2-cr-1) abated by A-121 and A-122 Dust Collectors</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
64.9	<u>Reporting and Recordkeeping requirements</u>						<u>Y</u>
64.10	<u>Savings Provisions</u>						<u>Y</u>
<u>BAAQMD Condition # 2786</u>							
<u>Part C</u>	<u>Test facilities (Basis: Regulation 1-501)</u>						
<u>Part D</u>	<u>Production Rates (Basis: Regulation 2-2-212-cumulative increase)</u>	<u>Clinker throughput not to exceed 1.6 million tons/yr</u>	<u>BAAQMD condition # 2786, part D</u>	<u>Log/Record Keeping P/D</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
<u>BAAQMD Condition #20751</u>							
<u>Part 1</u>	<u>Baghouse Monitoring Requirement (Regulation 2-6-503)</u>						<u>Y</u>
<u>BAAQMD Condition #24781</u>	<u>CAM Condition</u>						
<u>Part 12</u>	<u>Conduct Visible Emissions (NSPS 40 CFR Part 60 Subpart OOO)</u>	<u>M22 Quarterly</u>		<u>P/Q</u>			<u>Y</u>
<u>Part 13</u>	<u>Exceedance and Excursion (40 CFR Part 64.6(c)(2))</u>	<u>< 0.5 or > 10 inch water</u>					<u>Y</u>
<u>Part 14</u>	<u>Pressure monometer requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))</u>	<u>Minimum Accuracy < 0.5 inch water</u>					<u>Y</u>
<u>Part 15</u>	<u>Pressure Drop Operation Range (40 CFR Part 64.4(a))</u>	<u>Operating pressure drop range (0.5 to 10 inch water)</u>					<u>Y</u>
<u>Part 16</u>	<u>Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))</u>	<u>Quarterly</u>		<u>P/Q</u>			<u>Y</u>
<u>Part 17</u>	<u>Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)</u>						<u>Y</u>
<u>Part 18</u>	<u>Gauges Calibration (40 CFR Part 60, Subpart OOO, 40 CFR Part 64.3(b)(3))</u>	<u>Quarterly</u>		<u>P/Q</u>			<u>Y</u>
<u>Part 19</u>	<u>Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))</u>	<u>Semi-Annual</u>			<u>P/SA</u>		<u>Y</u>
<u>Part 20</u>	<u>Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))</u>			<u>P/A</u>			<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- J1

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-121 Tertiary Scalping Screen (2-VS-1, 2-VS-2) abated by A-121 Dust Collector, S-122 Tertiary Crusher (2-cr-1) abated by A-121 and A-122 Dust Collectors

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
Part 21	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5 years		<u>Y</u>	<u>Y</u>
Part 22	Recordkeeping (Regulation 2-6-501)	At least for 5 years				<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-J Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors, S-131 Rock Sampling System abated by A-131 Dust Collector, S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors, S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD eondition #20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD eondition #20753, part 1	Visual Inspection (M22) P/Q	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15-gr/dscf	BAAQMD eondition #20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} -lb/hr where P is process weight, ton _{lb} /hr		Source Test P/once every 5-yrs	Once every 5-yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD eondition #20751, part 3b	Pressure Drop Monitoring	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-J Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors, S-131 Rock Sampling System abated by A-131 Dust Collector, S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors, S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/Q			
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition #20753, part 1	Visual Inspection (M22) P/Q	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition #20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton _{lb} /hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
	xe						
			e				
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66 (Apply to S-123 & S-131 only)	Subpart 000. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y
NSPS	General Provisions						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-J Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors, S-131 Rock Sampling System abated by A-131 Dust Collector, S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors, S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
40-CFR, Part 60 Subpart A	(Apply to S-123 & S-131 only)						
60.2	Definitions						Y
60.7	Notification and Recordkeeping						Y
60.8	Performance Testing Requirements						Y
60.10	State Authority and Delegation						Y
60.11	Compliance with Standards and Maintenance Requirements						Y
60.12	Circumvention						Y
60.13	Monitoring Requirements						Y
60.19	Recordkeeping Requirements						Y
NSPS 40-CFR-60 Subpart 000	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009) (Apply to S-123 & S-131 only)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y
60.672(a)	Standard for Particulate Matter	PM10 0.022-gr/dscf	60.8 and 60.675	Test Method (M5 or M17) Initial	Initial	N	Y
60.672(a)	Standard for Particulate Matter with Capture System	OPACITY <7%	60.8 and 60.675	Visible Inspection (M9) Initial	Initial	N	Y
60.672(b)	Standard for Particulate Matter without Capture System	OPACITY <10%	60.11 and 60.675	Visible Inspection	Initial	N	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-J Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors, S-131 Rock Sampling System abated by A-131 Dust Collector, S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors, S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				(M9) Initial			
60.673	Reconstruction						✓
60.674	Monitoring of operations						✓
60.675	Test Methods and Procedures						✓
60.676	Reporting and recordkeeping						✓
NESHAP, 40-CFR, Part 63 Subpart A	General Provisions (4/20/06) (Apply to S-132, 134 and S-135 only)						
63.1	Applicability						✓
63.2	Definitions						✓
63.3	Units and Abbreviations						✓
63.4	Prohibited Activities and Circumvention						✓
63.5	Preconstruction review and notification requirements						✓
63.6	Compliance with Standards and Maintenance Requirements						✓
63.7	Performance Testing Requirements						✓
63.8	Monitoring Requirements						✓
63.9	Notification Requirements						✓
63.10	Recordkeeping and Reporting Requirements						✓
63.12	State Authority and Delegation						✓
	<u>Availability</u>						
NESHAP, 40-CFR, Part 63	Portland Cement Manufacturing Industry (9/9/10)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-J							
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors, S-131 Rock Sampling System abated by A-131 Dust Collector, S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors, S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Subpart LLL	(Apply to S-132, -134 and S-135 only)						
63.1340(b)(7)	Applicability						☒
63.1341	Definitions						☒
63.1342	Standards- General						☒
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						☒
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 P/M			☒
63.1347	Operation & Maintenance Plan Requirements					☒	☒
63.1347(a)(1)	Procedures for Proper O&M of Affected Source and Air Pollution Control Devices						☒
63.1348(a)(2)	Initial Compliance Requirements	Opacity 10%	63.1349(b)(2)	M9 Initial			☒
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect CEMs data	63.1350 & 63.1350(e)			☒	☒
63.1348(b)(3)(i)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(1)	M22 P/M			☒
63.1348(e)	Changes in Operations						☒
63.1348(d)	General Duty to Minimize Emissions						☒

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-J Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors, S-131 Rock Sampling System abated by A-131 Dust Collector, S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors, S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1349(a)	Performance test reports	Test description, method, etc.			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours—30.6 mins avge)		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity > 10%, M9 can reduce to 1 hr	63.1349(e)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first hour period, M9 can reduce to 1 hr	63.1349(e)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test			Initial	Y	Y
63.1349(e)	Performance Test Conducted Under Representative Performance					Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
63.1350(f)(1)(i)	Opacity Monitor Requirement	10-min visible test with M22 of appendix A-7		M22 P/M			Y
63.1350(f)(1)(ii)	Opacity Monitor Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitor Requirement	If no visible observed during the semi-annual test, reduce M22 to annual		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitor Requirement	If visible observed during any M22 tests, conduct 5-6 mins of M9 within 1 hour		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point					Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor	M22 for at least 10 mins		M22			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-J							
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors, S-131 Rock Sampling System abated by A-131 Dust Collector, S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors, S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
(vii)	Requirement						
63.1350(f)(3)	Corrective Actions	Within 1 hour		P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		Check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					Y
63.1350(p)	Development and Submittal of Monitoring Plans						Y
63.1351	Compliance date June 14, 2002						Y
63.1353(a)	Notification Requirements of Subpart A						Y
63.1353(b)(3)	Opacity test notification						Y
63.1353(b)(5)	Notification of Compliance Status						Y
63.1354(a)	Reporting Requirements of Subpart A						Y
63.1354(b)(2)	Opacity observation reporting						Y
63.1354(b)(4)	Semiannual reporting of O&M and	If action during startup,			Once every	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-J							
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors, S-131 Rock Sampling System abated by A-131 Dust Collector, S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors, S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	SSM actions consistent with the plans	shutdown, or malfunction is consistent with procedures			six months		
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(e)	Semiannual Report	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
BAAQMD Condition # 2786							
Part C	Test facilities (Basis: Regulation 1-501)						
Part D	Production Rates (Basis: Regulation 2-2-212 cumulative increase)	Clinker throughput not to exceed 1.6 million tons/yr	BAAQMD eondition # 2786, part D	Log/Record Keeping P/D	Once every six months	Y	Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
Part 2	Baghouse Pressure Drop Limit (Regulation 2-6-503)	Operating pressure drop range (0 to 10 inch water)	BAAQMD eondition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 3b	Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)						Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-J
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors,
S-131 Rock Sampling System abated by A-131 Dust Collector,
S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors,
S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector
S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 5	Annual Inspection (Regulation 2-6-503)						Y
Part 6	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition #20753							
Part 1	Quarterly EPA Method 22 Visible Emission Monitoring for A-11 through A-15 (Regulation 2-6-503)						Y
Part 3	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	<p style="text-align: center;">OPACITY</p> Ringelmann 1.0 for <3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5-yr	Once every 5-yr	Y	Y

Table IV - K
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors,
S-131 Rock Sampling System abated by A-131 Dust Collector,
S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV – K</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors,</u>							
<u>S-131 Rock Sampling System abated by A-131 Dust Collector,</u>							
<u>S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
6-1-301	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> Ringelmann 1.0 for < 3 min/hr	<u>BAAQMD condition # 20751, part 3b</u>	<u>Pressure Drop Monitoring</u> P/Q	<u>Once every six months</u>	<u>Y</u>	<u>N</u>
6-1-301	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> Ringelmann 1.0 for < 3 min/hr	<u>BAAQMD condition # 20753, part 1</u>	<u>Visual Inspection (M22)</u> P/Q	<u>Once every six months</u>	<u>Y</u>	<u>N</u>
6-1-305	<u>Visible Particles</u>						<u>N</u>
6-1-310	<u>Particulate Weight Limitation</u>	<u>FILTERABLE PARTICULATE</u> 0.15 gr/dscf	<u>BAAQMD condition # 20751, part 3b</u>	<u>Pressure Drop Monitoring</u> P/Q	<u>Once every six months</u>	<u>Y</u>	<u>N</u>
6-1-311	<u>General Operations</u>	<u>FILTERABLE PARTICULATE</u> 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		<u>Source Test</u> P/once every 5 yrs	<u>Once every 5 yrs</u>	<u>Y</u>	<u>N</u>
6-1-401	<u>Appearance of Emissions</u>						<u>N</u>
6-1-601	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>						<u>N</u>
<u>SIP Regulation 6</u>	<u>Particulate Matter and Visible Emissions (09/04/98)</u>						
6-301	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> Ringelmann 1.0 for < 3 min/hr	<u>BAAQMD condition # 20751, part 3b</u>	<u>Pressure Drop Monitoring</u> P/Q	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
6-301	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> Ringelmann 1.0 for < 3 min/hr	<u>BAAQMD condition # 20753, part 1</u>	<u>Visual Inspection (M22)</u> P/Q	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
6-305	<u>Visible Particles</u>						<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV – K</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors, S-131 Rock Sampling System abated by A-131 Dust Collector, S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (07/27/15)</u>						
9-13-302	Opacity	< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1	BAAQMD 9-13-609	Visual Inspection (M9)	Y	Y	N
9-13-304	Fugitive Dust Mitigation Control Measures	Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan		Visual Inspection (M9)	Y	Y	N
9-13-609	Determination of Visible Emissions		BAAQMD Manual of Procedures, Volume 1, Part 1	VE	Y	Y	N
<u>BAAQMD Regulation 10</u>	<u>Standards of Performance for New Stationary Sources</u>						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66 (Apply to S-	Subpart OOO. Standards of Performance for Non-metallic for						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors,
 S-131 Rock Sampling System abated by A-131 Dust Collector,
 S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
<u>123 & S-131 only</u>	<u>Non-metallic Mineral Processing Plants (4/28/2009)</u>						
<u>NSPS 40 CFR, Part 60 Subpart A</u>	<u>General Provisions (Apply to S-123 & S-131 only)</u>						<u>Y</u>
<u>60.2</u>	<u>Definitions</u>						<u>Y</u>
<u>60.4</u>	<u>Address</u>						<u>Y</u>
<u>60.7</u>	<u>Notification and Recordkeeping</u>					<u>Y</u>	<u>Y</u>
<u>60.8</u>	<u>Performance Testing Requirements</u>					<u>Y</u>	<u>Y</u>
<u>60.10</u>	<u>State Authority and Delegation</u>						<u>Y</u>
<u>60.11</u>	<u>Compliance with Standards and Maintenance Requirements</u>					<u>Y</u>	<u>Y</u>
<u>60.12</u>	<u>Circumvention</u>						<u>Y</u>
<u>60.13</u>	<u>Monitoring Requirements</u>					<u>Y</u>	<u>Y</u>
<u>60.19</u>	<u>Recordkeeping Requirements</u>					<u>Y</u>	<u>Y</u>
<u>NSPS 40 CFR 60 Subpart OOO</u>	<u>Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009) (Apply to S-123 & S-131 only)</u>						
<u>60.670(a), (d), and (e)</u>	<u>Applicability and Designation of Affected Facilities</u>						<u>Y</u>
<u>60.670(f)</u>	<u>Applicability of Subpart A</u>						<u>Y</u>
<u>60.671</u>	<u>Definitions</u>						<u>Y</u>
<u>60.672(a)</u>	<u>Standard for Particulate Matter with Capture System</u>	<u>PM10 0.022 gr/dscf</u>	<u>60.8 and 60.675</u>	<u>Test Method (M5 or M17) Initial</u>	<u>Initial</u>	<u>Y</u>	<u>Y</u>
<u>60.672(a)</u>	<u>Standard for Particulate Matter with Capture System</u>	<u>OPACITY < 7%</u>	<u>60.8 and 60.675</u>	<u>Visible Inspection (M9) Initial</u>	<u>Initial</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV – K</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors,</u>							
<u>S-131 Rock Sampling System abated by A-131 Dust Collector,</u>							
<u>S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
60.672(b)	Standard for Particulate Matter Fugitive Emission Limits	OPACITY < 10%	60.11 and 60.675	Visible Inspection (M9) Initial	Initial	Y	Y
60.673	Reconstruction						Y
60.674	Monitoring of operations					Y	Y
60.675	Test Methods and Procedures					Y	Y
60.676	Reporting and recordkeeping					Y	Y
BAAQMD Condition # 2786							
Part C	Test facilities (Basis: Regulation 1-501)						
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
Part 2	Baghouse Pressure Drop Limit (Regulation 2-6-503)	Operating pressure drop range (0 to 10 inch water)	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 3b	Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)						Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)						Y
Part 5	Annual Inspection (Regulation 2-6-503)						Y
Part 6	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition #20753							
Part 1	Quarterly EPA Method 22 Visible						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-123 Rock Conveying System abated by A-122 and A-123 Dust Collectors,
S-131 Rock Sampling System abated by A-131 Dust Collector,
S-132 Preblend Dome abated by A-132 and A-133 Dust Collectors

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
	<u>Emission Monitoring for A-11 through A-15 (Regulation 2-6-503)</u>						
<u>Part 3</u>	<u>Recordkeeping (Regulation 2-6-501)</u>						<u>Y</u>
<u>BAAQMD Condition # 24621</u>							
<u>Part 2</u>	<u>Perform Source Test at least once every five years (Regulation 6-1)</u>	<u>OPACITY</u> <u>Ringelmann 1.0 for < 3 min/hr</u> <u>FILTERABLE PARTICULATE</u> <u>0.15 gr/dscf & 4.10P^{0.67} lb/hr</u> <u>where P is process weight, lb/hr</u>		<u>Source Test</u> <u>P/once every</u> <u>5 yrs</u>	<u>Once every</u> <u>5 yrs</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV – L</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector</u> <u>S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
<u>BAAQMD Regulation 6, Rule 1</u>	<u>Particulate Matter (12/05/07)</u>						
6-1-301	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> <u>Ringelmann 1.0 for < 3 min/hr</u>	<u>BAAQMD condition # 20751, part 3b</u>	<u>Pressure Drop Monitoring</u> <u>P/Q</u>	<u>Once every six months</u>	<u>Y</u>	<u>N</u>
6-1-301	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> <u>Ringelmann 1.0 for < 3 min/hr</u>	<u>BAAQMD condition # 20753, part 1</u>	<u>Visual Inspection (M22)</u> <u>P/Q</u>	<u>Once every six months</u>	<u>Y</u>	<u>N</u>
6-1-305	<u>Visible Particles</u>						<u>N</u>
6-1-310	<u>Particulate Weight Limitation</u>	<u>FILTERABLE PARTICULATE</u> <u>0.15 gr/dscf</u>	<u>BAAQMD condition # 20751, part 3b</u>	<u>Pressure Drop Monitoring</u> <u>P/Q</u>	<u>Once every six months</u>	<u>Y</u>	<u>N</u>
6-1-311	<u>General Operations</u>	<u>FILTERABLE PARTICULATE</u> <u>4.10P^{0.67} lb/hr where P is process weight, lb/hr</u>		<u>Source Test</u> <u>P/once every 5 yrs</u>	<u>Once every 5 yrs</u>	<u>Y</u>	<u>N</u>
6-1-401	<u>Appearance of Emissions</u>						<u>N</u>
6-1-601	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>						<u>N</u>
<u>SIP Regulation 6</u>	<u>Particulate Matter and Visible Emissions (09/04/98)</u>						
6-301	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> <u>Ringelmann 1.0 for < 3 min/hr</u>	<u>BAAQMD condition # 20751, part 3b</u>	<u>Pressure Drop Monitoring</u> <u>P/Q</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
6-301	<u>Ringelmann Number 1 Limitation</u>	<u>OPACITY</u> <u>Ringelmann 1.0 for < 3 min/hr</u>	<u>BAAQMD condition # 20753,</u>	<u>Visual Inspection (M22)</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV – L</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector</u> <u>S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
			part 1	P/Q			
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (07/27/15)</u>						
9-13-302	Opacity	< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1	BAAQMD 9-13-609	Visual Inspection (M9)	Y	Y	N
9-13-304	Fugitive Dust Mitigation Control Measures	Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan		Visual Inspection (M9)	Y	Y	N
9-13-609	Determination of Visible Emissions		BAAQMD Manual of Procedures, Volume 1, Part 1	VE	Y	Y	N
<u>NESHAP, 40 CFR, Part 63 Subpart A</u>	<u>General Provisions (4/20/06)</u> <u>(Apply to S-132, 134 and S-135 only)</u>						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV – L</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector</u> <u>S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
63.1	<u>Applicability</u>						<u>Y</u>
63.2	<u>Definitions</u>						<u>Y</u>
63.3	<u>Units and Abbreviations</u>						<u>Y</u>
63.4	<u>Prohibited Activities and Circumvention</u>						<u>Y</u>
63.5	<u>Preconstruction review and notification requirements</u>						<u>Y</u>
63.6	<u>Compliance with Standards and Maintenance Requirements</u>						<u>Y</u>
63.7	<u>Performance Testing Requirements</u>						<u>Y</u>
63.8	<u>Monitoring Requirements</u>						<u>Y</u>
63.9	<u>Notification Requirements</u>						<u>Y</u>
63.10	<u>Recordkeeping and Reporting Requirements</u>						<u>Y</u>
63.12	<u>State Authority and Delegation</u>						<u>Y</u>
63.13	<u>State/Regional Addresses</u>						<u>Y</u>
63.14	<u>Incorporation by Reference</u>						<u>Y</u>
63.15	<u>Availability of Information</u>						<u>Y</u>
<u>NESHAP, 40 CFR, Part 63 Subpart LLL</u>	<u>Portland Cement Manufacturing Industry (7/27/15)</u>						
63.1340(b)(6)	<u>Applicability</u>						<u>Y</u>
63.1340(b)(7)	<u>Applicability</u>						<u>Y</u>
63.1341	<u>Definitions</u>						<u>Y</u>
63.1342	<u>Standards: General</u>	<u>40 CFR 63, Subpart A</u>					<u>Y</u>
63.1345	<u>Opacity Limit</u>	<u>OPACITY 10%</u>	<u>63.1349(b)(2)</u> <u>63.1350(f)(1)</u>	<u>M9 Initial</u> <u>M22 P/M</u>		<u>Y</u>	<u>Y</u>
63.1347	<u>Operation & Maintenance Plan Requirements</u>	<u>Written operations and maintenance plan</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(a)(2)	<u>Initial Compliance Requirements</u>	<u>Initial Opacity Compliance</u>	<u>63.1349(b)(2)</u>	<u>Initial</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV – L</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector</u> <u>S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
63.1348(b)(3)	Opacity Compliance		63.1350(f)	M22 P/M			Y
63.1348(d)	Duty to Minimize Emissions	Good Air Pollution Practices			Y	Y	Y
63.1349(a)	Performance test reports	Test description, method, etc...			Y	Y	Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30.6 mins avge) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial each performance test		Initial	Y	Y	Y
63.1349(e)	Performance Test Conducted Under Representative Performance Conditions				Y	Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
63.1350(f)	Opacity Monitoring Requirements	M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE			Y	Y	Y
63.1350(f)(1)(i)	Opacity Monitoring Requirement	10-min visible test with M22 of appendix A-7 monthly		M22 P/M		Y	Y
63.1350(f)(1)(ii)	Opacity Monitoring Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual; if VE observed during semi-annual, revert to monthly		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitoring Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; if VE observed during semi-annual, revert to monthly		M22 P/A			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV – L</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector</u> <u>S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
63.1350(f)(1)(iv)	Opacity Monitoring Requirement	If VE observed during any M22 tests, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; subject to O&M Plan		O&M Plan			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 according to (f)(i) – f(iv)		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour as specified in the O&M Plan	63.1347	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		Using a manometer, check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer’s specified maximum pressure range or install a new pressure sensor					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal of Monitoring Plans						Y
63.1353(a)	Notification Requirements of		40 CFR 63,			Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<u>Table IV – L</u>							
<u>Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</u>							
<u>S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector</u> <u>S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector</u>							
<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
	<u>Subpart A</u>		<u>Subpart A</u>				
<u>63.1353(b)(3)</u>	<u>Opacity test notification</u>					<u>Y</u>	<u>Y</u>
<u>63.1353(b)(5)</u>	<u>Notification of Compliance Status</u>					<u>Y</u>	<u>Y</u>
<u>63.1354(a)</u>	<u>Reporting Requirements of Subpart A</u>		<u>40 CFR 63, Subpart A</u>		<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1354(b)(2)</u>	<u>Opacity observation reporting</u>		<u>63.1349</u>		<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1354(b)(4 9)</u>	<u>Semiannual reporting</u>	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI)</u>			<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
<u>63.1354(c)</u>	<u>Failure to meet standards</u>	<u>Report must include malfunction</u>			<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
<u>63.1355</u>	<u>Recordkeeping Requirements</u>		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	<u>Y</u>
<u>63.1356</u>	<u>Source with Multiple Emission Limits or Monitoring Requirements</u>	<u>Affected facility must comply with most stringent emission limit</u>					<u>Y</u>
<u>63.1358</u>	<u>Implementation and Enforcement</u>						<u>Y</u>
<u>BAAQMD Condition # 2786</u>							
<u>Part C</u>	<u>Test facilities (Basis: Regulation 1-501)</u>						
<u>BAAQMD Condition #20751</u>							
<u>Part 1</u>	<u>Baghouse Monitoring Requirement (Regulation 2-6-503)</u>						<u>Y</u>
<u>Part 2</u>	<u>Baghouse Pressure Drop Limit (Regulation 2-6-503)</u>	<u>Operating pressure drop range (0 to 10 inch water)</u>	<u>BAAQMD condition # 20751, part 3b</u>	<u>Pressure Drop Monitoring</u> <u>P/Q</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
<u>Part 3b</u>	<u>Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)</u>						<u>Y</u>
<u>Part 4</u>	<u>Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)</u>						<u>Y</u>
<u>Part 5</u>	<u>Annual Inspection (Regulation 2-</u>						<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV – L

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-134 Preblend Storage Bin (4-S-1, 4-S-2) abated by A-134 Dust Collector
S-135 High Grade Storage Bin (4-S-3, 4-S-4) abated by A-135 Dust Collector

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Limit</u>	<u>Monitoring Citation</u>	<u>Monitoring & Frequency</u>	<u>Reporting</u>	<u>R</u>	<u>FE</u>
	<u>6-503)</u>						
<u>Part 6</u>	<u>Recordkeeping (Regulation 2-6-501)</u>						<u>Y</u>
<u>BAAQMD Condition #20753</u>							
<u>Part 1</u>	<u>Quarterly EPA Method 22 Visible Emission Monitoring for A-11 through A-15 (Regulation 2-6-503)</u>						<u>Y</u>
<u>Part 3</u>	<u>Recordkeeping (Regulation 2-6-501)</u>						<u>Y</u>
<u>BAAQMD Condition # 24621</u>							
<u>Part 2</u>	<u>Perform Source Test at least once every five years (Regulation 6-1)</u>	<u>OPACITY</u> <u>Ringelmann 1.0 for < 3 min/hr</u> <u>FILTERABLE PARTICULATE</u> <u>0.15 gr/dscf & 4.10P^{0.67} lb/hr</u> <u>where P is process weight, lb/hr</u>		<u>Source Test</u> <u>P/once every</u> <u>5 yrs</u>	<u>Once every</u> <u>5 yrs</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 1	General Provisions and Definitions (7/19/06)						
1-107	Combination of Emissions						Y
1-522	Continuous Emission Monitoring and Recordkeeping Procedures						Y
1-523	Parametric Monitoring and Recordkeeping Procedures						Y
SIP Regulation 1	General Provisions and Definitions (6/28/99)						
1-522	Continuous Emission Monitoring and Recordkeeping Procedures						Y
1-523	Parametric Monitoring and Recordkeeping Procedures						Y
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 27	Pressure Drop Monitoring P/W	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 23; or BAAQMD condition # 20753, part 2	Visual Inspection (M22) -or Visual Inspection (M9) P/D	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15-gr/dscf	BAAQMD CAM Condition # 24781, Part 27	Pressure Drop Monitoring P/W	Once every six months	Y	N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE	BAAQMD condition #	Annual Source Test	Annual	Y	N

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		0.15-gr/dscf	2786 part B, BAAQMD CAM condition# 24781, Part 32	P/A			
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, tonlb/hr	BAAQMD condition # 2786 part B, BAAQMD CAM condition# 24781, Part 32	Annual Source Test P/A	Annual	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 27	Pressure Drop Monitoring P/W	Once every six months	Y	Y
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 23; or BAAQMD condition # 20753, part 2	Visual Inspection (M22) -or Visual Inspection (M9) P/D	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15-gr/dscf	BAAQMD CAM Condition # 24781, Part 27	Pressure Drop Monitoring P/W	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15-gr/dscf	BAAQMD condition # 2786 part B, BAAQMD CAM condition# 24781, Part 32	Annual Source Test P/A	Annual	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE $4.10P^{0.67}$ lb/hr where P is process weight, tonlb/hr	BAAQMD condition # 2786 part B, BAAQMD CAM condition# 24781, Part 32	Annual Source Test P/A	Annual	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
BAAQMD Regulation 9, Rule 1							
9-1-300	Standards						Y
9-1-301	Limitations on Ground-Level Concentrations	SO ₂ 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours					Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	SO ₂ 300 ppm (dry)	BAAQMD Condition # 2786, part A.4	CEM C	Once every month	Y	Y
9-1-500	Monitoring and Records						Y
9-1-501	Area Monitoring Requirements						Y
9-1-502	Emission Monitoring Requirements						Y
9-1-600	Manual of Procedures						Y
9-1-602	Sulfur Content of Fuels						Y
9-1-603	Averaging Times						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
9-1-604	Ground Level Monitoring						Y
9-1-605	Emission Monitoring						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedures, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
<u>BAAQMD Regulation 11, Rule 1</u>	<u>Hazardous Pollutants/ Lead (3/17/82)</u>						
<u>11-1-604</u>	<u>Determination of Daily Emission Limits</u>						<u>N</u>
<u>SIP Regulation 11, Rule 1</u>	<u>Hazardous Pollutants/ Lead (6/02/80)</u>						
<u>11-1-301</u>	<u>Daily Limitation</u>	<u>LEAD</u> <u>15-lb/day</u>	<u>BAAQMD Condition #603, Part 8</u>	<u>Source test</u> <u>A</u>	<u>Once every year</u>	<u>Y</u>	<u>Y</u>
<u>NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 1</u>	<u>Specifications and Test Procedures for Continuous Opacity Monitoring Systems in Stationary Sources</u>						<u>Y</u>
<u>NSPS, 40 CFR Part 60, Appendix</u>	<u>Specifications and Test Procedures for SO2 and NOx Continuous Emission Monitoring Systems in</u>						<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
B, Performance Specification (PS) 2	Stationary Sources						
NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 3	Specifications and Test Procedures for O ₂ and CO ₂ Continuous Emission Monitoring Systems in Stationary Sources (compliance by 9/9/2015)						☒
NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 8	Specifications and Test Procedures for THC Continuous Emission Monitoring Systems in Stationary Sources (compliance by 9/9/2015)						☒
NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 15	Specifications and Test Procedures for Total Organic HAP and HCl Continuous Emission Monitoring Systems in Stationary Sources (compliance by 9/9/2015)						☒
NSPS, 40 CFR Part 60, Appendix F, Procedure 1	Quality Assurance Requirements for Gas Continuous Emission Monitoring Systems used For Compliance Determination (compliance by 9/9/2015)						☒
NESHAP, 40 CFR, Part 63	General Provisions (4/20/06)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Subpart A							
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						Y
63.14	Incorporation by Reference						Y
63.15	Availability of Information						Y
NESHAP, 40 CFR, Part 63 Subpart LLL							
Portland Cement Manufacturing Industry (9/9/10)(7/27/15)							
63.1340(a)	Applicability						Y
63.1340(b)(3) & (54)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR part 63, subpart A</u>					Y
60.1343(a)	General (Compliance by 9/9/2015)	Normal Operation - <u>D/F, HCl, THC</u> emission limits are corrected to 19% oxygen, dry. <u>THC</u> measures as propane, <u>Hg</u> & <u>THC</u> are rolling 30 day average <u>Rolling 30 day average excludes Startup & Shutdown</u>					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		No oxygen correction is required for THC emissions					
63.1343(b)(1)	THC Emission Limit during normal operation (Compliance by 9/9/2015)	THC 24 ppmvd @ 197% O₂ dry-normal operation or 12 ppmvd Total Organic HAP 24 ppmvd startup & shutdown	63.1349(b)(4) & 1350(i)&(j)	CEMS Initial & P/C	Ave. THC—once every month	Y	Y
63.1343(b)(1)	Work Practice during startup and shutdown	Work Practices 1. Startup injection must be turned on at the time the inlet baghouse temp. reaches 300°F 2. Shutdown injection system can be turned off 3. Particulate control and all remaining devices that control hazardous air pollutants should be operational during startup and shutdown	63.1348(b)(9)	P/Temp measures every minute		Y	Y
63.1343(b)(1)	Opacity during all operating modes	OPACITY 10%—All operating modes	63.1349(b)(2) 63.1350(f)(2)	Visible Emissions (Method 22) P/D Follow up Method 9 (as needed); COMS or BLDS can be used in lieu of daily visible emissions M 9 Initial M22 P/D	once every six months	Y	Y
63.1343(e)	Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015					Y	
	PM emission limit (NESHAP LLL 6/14/1999)	PM10 0.30 lb/ton of feed (dry basis) to kiln	63.1349(e)	Source Test (M5) P/every 5 years for	Every 5 years	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

~~Table IV & Table VII-KM~~
~~Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements~~
~~S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector,~~
~~S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector~~

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				PM10			
	Opacity (NESHAP LLL 6/14/1999)	<20% opacity	63.1350(e)(2)	Visual inspection (M9) P/D	Once every six months	Y	
	Opacity (NESHAP LLL 6/14/1999)	<20% opacity	63.1349(e)	Periodic Source Test (M9) P/every 5 years	Once every six months	Y	
	D/F (NESHAP LLL 6/14/1999)	8.7E-11 gr/dscf (TEQ) @ 7% O ₂ ; or 1.7E-10 gr/dscf (TEQ) @ 7% O ₂ when temperature at inlet ≤ 400°F	63.1349(d)	Periodic Source Test (M23) P/Every 30 months	Once every 30 months	Y	
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	Emission Limits	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)(i)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or BLDS can be used in lieu of daily visible emissions Visual inspection (M9) initial M22 P/M	Once every six months	Y	Y
63.1347	Operation and Maintenance Plan Requirements	Operation, maintenance, corrective action including startup and shutdown; Procedure to inspect components of kiln and in line raw mill at least once per year	63.1350(f)(3)	P/A		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1348(a)(2)	Initial Compliance Requirements	Opacity Compliance - M(9)-30 6 mins	63.1349(b)(2)	Initial		Y	Y
63.1348(a)(4)(i)	Initial THC Compliance (Compliance by 9/9/2015)	THC Compliance	63.1349(b)(4)(i)	Initial		Y	Y
63.1348(a)(4)(ii)	Initial Total Organic HAP (Compliance by 9/9/2015)	Source Test HAP & THC CEMs (3 hr avg) at the same time	63.1349(b)(4)(iii) & 63.1349(b)(4)(iv) 63.1350(j)	Source Test THC CEM		Y	Y
63.1348(a)(4)(iii)	Initial Total Organic HAP compliance while raw mill on and off (Compliance by 9/9/2015)	Source Test - 3 runs, 1 hour each run	63.1349(b)(4)(iii)	THC CEMs Ave. 30 days		Y	Y
63.1348(a)(4)(iv)	Time-weighted-average Total Organic HAP	Total Organic HAP	63.1349(b)(7)	Initial/Initial Test		Y	Y
63.1348(a)(4)(v)	Initial THC Compliance (Compliance by 9/9/2015)	Time wWeighted average THC when the raw is on and off	63.1349(b)(4)(iv)	THC CEMs		Y	Y
63.1348(b)(1)(i) through 63.1348(b)(1)(iii)	Continuous Compliance - General Requirements (Compliance by 9/9/2015)	Except during periods of startup and shutdown, monitoring system malfunction, repairs or monitoring system quality assurance or control activities	63.8 63.1350, 63.1350(p)				Y
63.1348(b)(3)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(4)(i) or 63.1350(f)(4)(ii)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or Bag Leak Detector System (BLDS) can be used in lieu of daily visible emissions			Y
63.1348(b)(6)	Continuous THC Compliance (Compliance by 9/9/2015)	THC Compliance demonstration	63.1350(i) and (j)	CEMS P/C	Once every mon	Y	Y
63.1348(b)(9)	Startup and Shutdown Compliance	Startup injection must be		P/Temp			

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>turned on at the time the inlet baghouse temp. reaches 300°F</u> <u>2. Shutdown injection system can be turned off</u> <u>3. Particulate control and all remaining devices that control hazardous air pollutants should be operation during startup and shutdown</u>		<u>measures every minute</u>			
63.1348(e)	Changes in Operations		63.1349(b)				Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance test reports requirements	<u>Document all relevant information as required by §63.1349(a)(1) - (10) in performance test results Test description, method, etc.;</u> <u>Install flow meter</u>	<u>63.7(e)(2)(i);</u> <u>63.1350(n)(1) thru (10)</u>	<u>Initial and subsequent tests</u>	<u>Once every six months</u>	Y	Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours—30-6 mins avg) reduce to 1 hour if <u>63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 3-hrs (30-6-mins ave. tests) 1-hr if no reading > 10% or no more than 3 reading of 10% for the first 1st-hr Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1-hr	63.1349(e)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first hour period, M9 can reduce to 1-hr	63.1349(e)	M9 Initial		Y	Y
63.1349(b)(4)(i)	THC CEMS Relative Accuracy Tests (Compliance by 9/9/2015)	THC Span value (as C3) is 50 ppmvd Demonstrate compliance with RATA when accuracy between the CEMS and test audit is within 20% or test audit result is within 10%	63.1350(1)	Within 30 days of initial compliance test		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1349(c)	<u>Performing Testing Requirement</u>	<u>Performance Test Frequency</u>		<u>P/every 30-month for D/F, HAP and HCl;</u> <u>P/12 month for PM</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1349(d)	<u>Performance Test Reporting Requirement</u>	<u>Within 60 days after the each performance test</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1349(e)	<u>Conditions of Performance Tests</u> <u>Performance Test Conducted Under Representative Performance</u>	<u>Performance test conducted under representative performance</u>				<u>Y</u>	<u>Y</u>
63.1350(a)	<u>Monitoring Requirements</u>	<u>Startup & shutdown averaged separately from normal operation</u>					<u>Y</u>
63.1350(f)(2) (i)	<u>Raw Mill Opacity Monitoring</u>	<u>6 mins test</u>		<u>M22</u> <u>P/D</u>			<u>Y</u>
63.1350(f)(2) (ii)	<u>Raw Mill Opacity Monitoring</u>	<u>If visible observed, conduct M22 test within 24 hrs</u>		<u>M22</u> <u>P/E</u>			<u>Y</u>
63.1350(f)(2) (iii)	<u>Raw Mill Opacity Monitoring</u>	<u>If visible observed during the follow up M22 test, conduct M9 within 1 hour for 30 mins</u>		<u>M9—30 mins</u> <u>P/E</u>			<u>Y</u>
63.1350(f)(3)	<u>Corrective Actions</u>	<u>Within 1 hour as specified in the O&M Plan</u>	<u>63.1347</u>	<u>P/E</u>			<u>Y</u>
63.1350(f)(4)	<u>Opacity Monitor</u>	<u>M22 requirements do not apply to source with COMS or Bag Leak Detection System (BLDS)</u>	<u>63.1350(m)(1) through (m)(4); (m)(10); (m)(11)</u>	<u>P/C</u>			<u>Y</u>
63.1350(f)(4) (i)	<u>COMS</u>	<u>If relied upon as the compliance option for opacity requirement, COMS should be installed, maintained, calibrated and operates as required by 40 CFR 63, Subpart A</u>	<u>Appendix B, PS1</u>				<u>Y</u>
63.1350(f)(4) (ii)	<u>Bag Leak Detection System</u>	<u>If relied upon as the compliance option for opacity requirement, BLDS must meet (m)(1) through (m)(4); (m)(10) and (m)(11)</u>					<u>Y</u>
63.1350(m) (6)(i)	<u>Specific Pressure Monitoring Requirement (as applicable)</u>	<u>Location of the pressure sensor(s)</u>					<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		Using an aneroid manometer, check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					Y
63.1350(m)(10)	Bag Leak Detection Monitoring Requirements (if applicable)					Y	Y
63.1350(m)(11)	Procedures for BLDS (as applicable) to determine the cause of every alarm within 8 hours of the alarm	Correction within 24 hours of the alarm			Y	Y	Y
63.1350(e)	Alternate Monitoring Requirements Approval	Install, operate, calibrate and maintain instruments				Y	Y
63.1350(p)(1) to (p)(4)	Development and Submittal (Upon Request) of Monitoring Plans (Compliance by 9/9/2015)	Plan for each continuous monitoring system (CMS)			Y	Y	Y
63.1350(p)(5)	Bag Leak Detectors (BLDS) Monitoring Plan (as applicable)	Record for 5 years, with at least the first 2 years on site				Y	Y
63.1353(a)	Notification Requirements of Subpart A						Y
63.1353(b)	Notification requirements		63.9				Y
63.1354(a)	Reporting Requirements of Subpart A						Y
63.1354(b)	Reporting Requirements	Report performance tests	BAAQMD Reg 1.544		THC once every month	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			63.1354(b)(9)(vi) 10		P/S/A		
63.1354(e)	Semiannual Report Failure to meet Standard	Report must include malfunction	63.1351(b)(9)		Once every six months P/S A	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/W Visual Inspection (M22) P/D	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition # 2786							
Part A1	Sulfur dioxide limitation (Basis: Regulation 2-2-212 cumulative increase)	SO2 Rejection of 90% of the sulfur in the raw feed plus fuel, not requiring 0.6% sulfur coal as the fuel; or does not exceed 481 lb/hr averaged over the 24-hour calendar day (423 lbs/hr if coal emissions are not monitored)	BAAQMD condition #2786, part A3	CEM C	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part A3	Continuous SO ₂ and NO _x monitoring requirement (Basis: Cumulative increase)						Y
Part A4	Sulfur Dioxide Determination (Basis: Regulation 2-2-212 cumulative increase)						Y
Part B	Annual Source Test requirement (Basis: Cumulative Increase, Regulation 1-502)			Source Test P/A	Annual	Y	Y
Part B(1)	PM Limit (Basis: Regulation 2-2-212 Cumulative increase)	PM10 36 lb/hr and 0.02 gr/DSCF	BAAQMD condition # 2786 part B; BAAQMD CAM condition # 24781, Part 32	Annual Source Test P/A	Annual	Y	Y
Part C	Test facilities (Basis: Regulation 1-501)						Y
Part D	Production Rates (Basis: Regulation 2-2-212 cumulative increase)	Clinker throughput not to exceed 1.6 million tons/yr	BAAQMD condition #11780, part E (2)	Log/Record Keeping P/D	Once every six months	Y	Y
BAAQMD Condition # 11780							
Part A	Definitions requirement (Basis: CAA Section 182(f) - RACT)						Y
Part B	Production limits (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part C(1)	Emission limits (Basis: RACT)	NO _x All kiln emission points <1158 lb/hr and <615 ppm averaged for 2 hr	BAAQMD condition #11780, part E	CEM C	Once every six months	Y	Y
Part C(3)	Emission limits (Basis: RACT)	NO _x ≤6.423 lb/ton clinker on a 24-hr basis (averaged clinker averaged over 30 days)	BAAQMD condition #11780, part E	CEM C	Monthly & Once every six months	Y	Y
Part C(4)	Ammonia Limit (Basis: Regulation 9-13)	NH ₃ < 270 ppmv at 7% Oxygen, (6 months, 24 hr rolling average or 182 day rolling average)	BAAQMD condition #11780, part E	CEM C	Monthly & Once every six months	Y	Y
Part D	Compliance Determination (Basis: Regulation 2-2-212 Cumulative Increase)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part E	Monitoring records (Basis: Cumulative Increase)						Y
Part F	Manual of procedures (Basis: Regulation 1-522; Manual of Procedures, Volumes IV & V)						Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition #20753							
Part 2	Daily EPA Method 9 Visible Emission Monitoring (Regulation 2-6-503)						Y
BAAQMD Condition #24781	CAM Condition						
Part 23	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart LLL)	M22 Daily		P/D			Y
Part 24	Exceedance and Excursion (40 CFR Part 64.6(e)(2))	<0.5 or >10 inch water					Y
Part 25	Pressure monometer requirement (40 CFR Part 64.6(e)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy <0.5 inch water					Y
Part 26	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 27	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Weekly		P/W			Y
Part 28	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(e)(3), 64.7(d)(2), 64.8)						Y
Part 29	Gauges Calibration (40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 30	Monitor Report (40 CFR Part 64.6(e)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 31	Abatement Device Inspection (40 CFR 64.6(e)(1)(iii))			P/A			Y
Part 32	Source Test (Regulation 2-1-403)	Annually		P/A		Y	Y
Part 33	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y
<u>Part 23</u>	<u>Install 44 broken bag leadk</u>	<u>Ringlemann 1 or 20% opacity</u>		<u>P/C</u>		<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- KM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-141 Raw mill 1 (4-GM-1) abated by A-141 Dust Collector, S-142 Raw mill 2 (4-GM-2) abated by A-142 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	<u>detectors (NESHAP 40 CFR Part 63 Subpart LLL, Regulation 9-13)</u>						
<u>Part 24</u>	<u>Compliance Assurance Monitoring Plan (40 CFR Part 64.6(c)(2))</u>	<u>Exceedance if > 10 milligram per cubic meter of PM</u> <u>Excursion if exceedance is within 1 minutes of PM</u>					<u>Y</u>
<u>Part 25</u>	<u>Broken bag detector or CPMS Cycle Requirement (40 CFR Part 64.6(e)(1))</u>	<u>One minimum cycle for each successive 15 minutes and minimum of four successive cycle to have a valid hour data</u>					<u>Y</u>
<u>Part 26</u>	<u>Particulate Matter Concentration Range (40 CFR Part 64.4(a))</u>	<u>Operating concentration range shall be less than 10 milligram per actual cubic meter</u>					<u>Y</u>
<u>Part 27</u>	<u>Alarm System for Broken Bag Leak Detector (40 CFR Part 64.3(b)(4)(iii))</u>	<u>Alarm when exceeding a preset level</u>		<u>P/C</u>		<u>Y</u>	<u>Y</u>
<u>Part 28</u>	<u>Develop and Implement a Quality Improvement Plan (QIP) if Exceedance Occurs (40 CFR Part 64.6(e)(3), 64.7(d)(2), 64.8)</u>	<u>Determine the cause and reponse procedure to exceedance or excursion</u>					<u>Y</u>
<u>Part 29</u>	<u>Inspect Broken Bag Leak Detectors (40 CFR Part 64.3(b)(3))</u>	<u>Manufacturer's Specification</u>		<u>P/M</u>			<u>Y</u>
<u>Part 30</u>	<u>Monitor Report (40 CFR Part 64.6(e)(3), 40 CFR Part 64.9(a)(2))</u>	<u>Semi-Annual Report</u>			<u>P/SA</u>		<u>Y</u>
<u>Part 31</u>	<u>Abatement Device Inspection (40 CFR 64.6(e)(1)(iii))</u>	<u>Manufacturer's Recommendation</u>		<u>P/A</u>		<u>Y</u>	<u>Y</u>
<u>Part 32</u>	<u>Source Test (Regulation 2-1-403)</u>	<u>Annually</u>		<u>P/A</u>		<u>Y</u>	<u>Y</u>
<u>Part 33</u>	<u>Recordkeeping (Regulation 2-6-501)</u>	<u>At least for 5 years</u>				<u>Y</u>	<u>Y</u>

Table IV & Table VII- LN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector, S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation	Particulate Matter (12/05/07)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-LN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector, S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6, Rule 1							
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD eondition #2786, part F, part 1, BAAQMD CAM eondition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD eondition #2786, part F, part 1, BAAQMD CAM eondition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE $4.10P^{0.67}$ lb/hr where P is process weight, tonlb/hr	BAAQMD CAM eondition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD eondition #2786, part F, part 1, BAAQMD CAM eondition # 24781,	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-LN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector, S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			Part 34				
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15-gr/dscf	BAAQMD condition #2786, part F, part 1; BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE $4.10P^{0.67}$ lb/hr where P is process weight, tonlb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedures, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
<u>NESHAP, 40 CFR,</u>	<u>General Provisions (4/20/06)</u>						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-LN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector, S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 63 Subpart A							
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						Y
63.14	Incorporation by Reference						Y
63.15	Availability of Information						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
63.1340(a)	Applicability						Y
63.1340(b)(3)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1343(b)(1)	Opacity during all operating modes	OPACITY 10%—All operating modes	63.1349(b) (2) 63.1350(f) (2)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or	once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

~~Table IV & Table VII-LN~~
~~Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements~~
~~S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector,~~
~~S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector~~

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				BLDS can be used in lieu of daily visible emissions M9 Initial M22 P/D			
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	<u>Emission Limits</u>	<u>OPACITY</u> <u>10%</u>	<u>63.1349(b)(2)</u> ; <u>63.1350(f)(1)(i)</u>	<u>Visible Emissions (Method 22) P/D Follow up Method 9 (as needed);</u> <u>COMS or BLDS can be used in lieu of daily visible emissions</u> <u>Visual inspection (M9) initial</u> <u>M22 P/M</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
63.1347	Operation & Maintenance Plan Requirements	<u>Operation, maintenance, corrective action including startup and shutdown; Procedure to inspect components of kiln and in-line raw mill at least once per year</u>	<u>63.1350(f)(3)</u>	<u>P/A</u>		<u>Y</u>	<u>Y</u>
63.1347	Operation and Maintenance Plan Requirements						Y
<u>63.1348(a)(2)</u>	<u>Initial Compliance Requirements</u>	<u>Opacity Compliance—M(9) 30 6 mins</u>	<u>63.1349(b)(2)</u>	<u>Initial</u>		<u>Y</u>	<u>Y</u>
<u>63.1348(b)(1)(i) through 63.1348(b)(1)</u>	<u>Continuous Compliance—General Requirements</u>	<u>Except during periods of startup and shutdown, monitoring system malfunction, repairs or</u>	<u>63.8</u> <u>63.1350;</u> <u>63.1350(p)</u>				<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

~~Table IV & Table VII-LN~~
~~Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements~~
~~S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector,~~
~~S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector~~

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
(iii)		monitoring system quality assurance or control activities					
63.1348(b)(3)(i)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(2)(i) or 63.1350(f)(4)(ii)	M22 Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or P/D Bag Leak Detector System (BLDS) can be used in lieu of daily visible emissions			Y
63.1348(c)	Changes in Operations		63.1349(b)				Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance test reports requirements	Document all relevant information as required by §63.1349(a)(1) (10) in performance test results Reports — Test description, method, etc...	63.7(e)(2)(i) ; 63.1350(a)(1) thru (10)	Initial and subsequent tests	Once every six months	Y	Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours—30.6 mins ave) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 3 hrs (30.6 mins ave. tests) 1 hr if no reading > 10% or no more than 3 reading of 10% for the first 1st hr		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity > 10%, M9 can reduce to 1 hr	63.1349(e)	M9 Initial		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-LN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector, S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first hour period, M9 can reduce to 1 hr	63.1349(e)	M9 Initial		Y	Y
63.1349(e)	Performing Testing Requirement	Performance Test Frequency		P/every 30 months for D/F, HAP and HCl; P/12-month for PM	Y	Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after each performance test			Y	Y	Y
63.1349(e)	Conditions of Performance Tests Performance Test conducted under representative performance	Performance test conducted under representative performance				Y	Y
63.1350(a)	Monitoring Requirements						Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point					Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(2)(i)	Raw Mill Opacity Monitoring	6 mins test		M22 P/D			Y
63.1350(f)(2)(ii)	Raw Mill Opacity Monitoring	If visible observed, conduct M22 test within 24 hrs		M22 P/E			Y
63.1350(f)(2)(iii)	Raw Mill Opacity Monitoring	If visible observed during the follow up M22 test, conduct M9 within 1 hour for 30 mins		M9 30 mins P/E			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour as specified in the O&M Plan	63.1347	P/E			Y
63.1350(f)(4)	Opacity Monitor	M22 requirements do not apply to source with COMS or Bag Leak Detection System (BLDS)	63.1350(m)(1) through (m)(4); (m)(10); (m)(11)	P/C			Y
63.1350(f)(4)(i)	COMS	If relied upon as the compliance option for the opacity requirement, COMS should be installed, maintained, calibrated and operates as required by 40 CFR 63, Subpart A	Appendix B, PS1				Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-LN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector, S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(f)(4) (ii)	Bag Leak Detection System	If relied upon as the compliance option for the opacity requirement, BLDS must meet (m)(1) through (m)(4), (m)(10) and (m)(11)					Y
63.1350(m) (1)	Continuous Parameter Monitoring (CMS) Requirements	CMS must complete a minimum of one cycle of operation for each successive 15 mins period					Y
63.1350(m) (2)		Conduct all monitoring in continuous operation at all times that the unit is operating					Y
63.1350(m) (3)		Determine the 13-hour block avg. of all recorded readings					Y
63.1350(m) (4)		Record the results of each inspection, calibration, and validation check				Y	Y
63.1350(m) (10)(i)	Bag Leak Detection Monitoring (BLD) Requirements	If relied upon as the compliance option for the opacity requirement, install and operate BLD for each exhaust stack of the fabric filter					Y
63.1350(m) (10)(ii)		Installed, operated, calibrated and maintenance consistent with the manufacture's specifications and recommendations					Y
63.1350(m) (10)(iii)		Certified by the manufacturer to detect PM emission at concentrations of <10 milligrams per actual cubic meter					Y
63.1350(m) (10)(iv)		BLD system sensor must provide output of relative or absolute PM loadings					Y
63.1350(m) (10)(v)		BLD be equipped with a device to continuously record the output signal from the sensor					
63.1350(m) (10)(vi)		BLD with an alarm system and located such that the alert is detected and recognized easily					Y
63.1350(m) (10)(vii)		Positive pressure fabric filter systems that do not duct all compartments of cells to a common stack, a BLD system must be installed in each baghouse compartment or cell					Y
63.1350(m)		Where multiple BLD are					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-LN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector, S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
(10)(viii)		required, the systems instrumentation and alarm may be shared among detectors					
63.1350(m)(11)	Initial Procedures to determine the cause of every alarm	Determine the cause within 8 hours Correction within 24 hours					Y
63.1350(e)	Alternate Monitoring Requirements Approval	Install, operate, calibrate and maintain instruments				Y	Y
63.1350(p)(1) to (p)(4)	Development and Submittal (upon request) of Monitoring Plans	Plan for each continuous monitoring system (CMS)	63.1350(p)(2)(i) through (p)(2)(iii)			Y	Y
63.1350(p)(5)	Bag Leak Detectors (BLDS) Monitoring Plan	If relied upon as the compliance option for the opacity requirement, Record BLDS data for 5 years, with at least the first 2 years on site	63.1350(m)(1) to (m)(4); (m)(10 and (m)(11)			Y	Y
63.1351	Compliance Dates	Compliance date for opacity is June 14, 2002 Existing sources with the PM, Hg, THC and HCl emissions limits became effective on September 9, 2015					Y
63.1353(a)	Notification Requirements of Subpart A						Y
63.1353(b)(3)	Opacity test nNotification requirements		63.6(h)(5)9 63.9(f)				Y
63.1353(b)(5)	Notification of Compliance Status		63.9(h)				Y
63.1354(a)	Reporting Requirements of Subpart A						Y
63.1354(b)	Reporting Requirements	Report performance tests	BAAQMD Reg 1.544 63.10		THC— once every month P/SA	Y	Y
63.1354(b)(2)	Opacity observation reporting						Y
63.1354(b)(4)	Semiannual reporting of O&M and SSM actions consistent with the plans	Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(e)	Failure to meet	Report must include malfunction	63.1351(b)(Once every	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-LN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector, S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Standard Semiannual Report		9)		six months <u>P/S</u> <u>A</u>		
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24 hour period	CAM Plan: Bag Leak Detector < 10 milligram per actual cubic meter		Continuous parameter monitoring system (CPMS)	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition # 2786							
Part C	Test facilities (Basis: Regulation 1-501)						Y
Part D	Production Rates (Basis: Regulation 2-2-212 cumulative increase)	Clinker throughput not to exceed 1.6 million tons/yr	BAAQMD condition #11780, part E (2)	Log/Record Keeping P/D	Once every six months	Y	Y
Part F	Broken Bag Leak Detection Device (Basis: NESHAPS, Regulation 2-6-503, BAAQMD MOP Volume II, Part 3, §4.7)	60% maximum allowable current limit	BAAQMD condition #2786, part F, part 1	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-LN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-143 Raw mill 1 Separator system (4-SE-3) abated by A-143 Dust Collector, S-144 Raw mill 2 Separator Circuit (4-SE-4) abated by A-144 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						☒
BAAQMD Condition #24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15-gr/dscf & 4.10P ^{0.67} -lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	☒	☒
BAAQMD Condition #24781	CAM Condition						
Part 34	Broken Bag Leak Detector Installation (NESHAP 40 CFR Part 63 Subpart LLL)	Continuous Parametric Monitoring System (CPMS)		P/C			☒
Part 35	Exceedance and Excursion (40 CFR Part 64.6(e)(2))	> 10 milligrams per actual cubic meter					☒
Part 36	Minimum Operating Cycle requirement (40 CFR Part 64.6(e)(1))	Minimum 15 min period and minimum 4 successive cycles per hour					☒
Part 37	Detection level (40 CFR Part 64.4(a))	Capable of detecting PM < 10 milligrams per actual cubic meter					☒
Part 38	Alarm System Requirement (40 CFR Part 64.3(b)(4)(iii))						☒
Part 39	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(e)(3), 64.7(d)(2), 64.8)						☒
Part 40	BLD Inspection (40 CFR Part 64.3(b)(3), EPA 454/R-980015 Guidance)	Monthly		P/M			☒
Part 41	Monitor Report (40 CFR Part 64.6(e)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		☒
Part 42	Abatement Device Inspection (40 CFR 64.6(e)(1)(iii))			P/A			☒
Part 43	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5 years		☒	☒
Part 44	Recordkeeping (Regulation 2-6-501)	At least for 5 years				☒	☒

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - M Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-151 Homogenizer (5-S-1, 5-S-2) abated by A-151 and A-152 Dust Collectors, S-153 Kiln Feed System abated by A-153 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition	Visual Inspection (M22)	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- M Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-151 Homogenizer (5-S-1, 5-S-2) abated by A-151 and A-152 Dust Collectors, S-153 Kiln Feed System abated by A-153 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			#24781, Part 1	P/M			
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, 4.0 lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedures, Volume 1,</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- M Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-151 Homogenizer (5-S-1, 5-S-2) abated by A-151 and A-152 Dust Collectors, S-153 Kiln Feed System abated by A-153 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			Part 1				
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						<u>Y</u>
63.14	Incorporation by Reference						<u>Y</u>
63.15	Availability of Information						<u>Y</u>
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
63.1340(a)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2)	M9	Once every		Y

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Table IV & Table VII- M Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-151 Homogenizer (5-S-1, 5-S-2) abated by A-151 and A-152 Dust Collectors, S-153 Kiln Feed System abated by A-153 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			63.1350(f)(1)	Initial M22 P/M	<u>six months</u>		
63.1347	Operation & Maintenance Plan Requirements	<u>Written operations and maintenance plan</u>	<u>63.1350(f)(3)</u>		<u>Y</u>	Y	Y
<u>63.1347(a)(1)</u>	<u>Procedures for Proper O&M of Affected Source and Air Pollution Control Devices</u>						<u>Y</u>
<u>63.1348(a)(2)</u>	<u>Initial Compliance Requirements</u>	<u>Opacity 10%</u>	<u>63.1349(b)(2)</u>	<u>M9</u> <u>Initial</u>			<u>Y</u>
<u>63.1348(b)(1)(i)</u>	<u>General Requirements (Compliance by 9/9/2015)</u>	<u>Monitor, collect CEMs data</u>	<u>63.1350 & 63.1350(e)</u>			<u>Y</u>	<u>Y</u>
<u>63.1348(b)(3)(i)</u>	<u>Continuous Compliance Requirements</u>	<u>Opacity 10%</u>	<u>63.1350(f)(1)</u>	<u>M22</u> <u>P/M</u>			<u>Y</u>
<u>63.1348(e)</u>	<u>Changes in Operations</u>						<u>Y</u>
<u>63.1348(d)</u>	<u>General Duty to Minimize Emissions</u>						<u>Y</u>
<u>63.1348(a)(2)</u>	<u>Initial Compliance Requirements</u>	<u>Initial Opacity Compliance</u>	<u>63.1349(b)(2)</u>	<u>Initial</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1348(b)(1)(iv)</u>	<u>Continuous Clinker Production</u>	<u>Hourly Production Rate</u>	<u>63.1350(d)</u>	<u>P/H</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1348(b)(3)</u>	<u>Continuous Opacity Compliance</u>		<u>63.1350(f)</u>	<u>M22</u> <u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1348(c)</u>	<u>Changes in Operations</u>						<u>Y</u>
<u>63.1348(d)</u>	<u>Duty to Minimize Emissions</u>	<u>Good Air Pollutant Practice</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1349(a)	Performance test reports	Test description, method, etc...			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins avge) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- M Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-151 Homogenizer (5-S-1, 5-S-2) abated by A-151 and A-152 Dust Collectors, S-153 Kiln Feed System abated by A-153 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the <u>initial</u> each performance test		<u>Initial</u>	<u>Initial</u> <u>Y</u>	Y	Y
63.1349(e)	Performance Test conducted under representative <u>performance</u> conditions					Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
<u>63.1350(d)</u>	<u>Clinker Production Monitoring Requirements</u>	<u>Weigh scale system to measure tons-mass/hr of clinker or feed within + 5% accuracy</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1350(f)</u>	<u>Opacity Monitoring Requirements</u>	<u>M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)(1)(i)	Opacity Monitor Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M		<u>Y</u>	Y
63.1350(f)(1)(ii)	Opacity Monitor Requirement	If no visible observed in 6 consecutive <u>monthly</u> tests, reduce M22 to semi-annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitor Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitor Requirement	If visible -VE observed during any M22 tests, <u>conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u> conduct 5-6 mins of M9 within 1 hour		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point <u>subject to O&M Plan requirements</u>		<u>O&M Plan</u>			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22- <u>according to (f)(i) – (f)(iv) for at least 10 mins</u>		M22			Y

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Table IV & Table VII- M Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-151 Homogenizer (5-S-1, 5-S-2) abated by A-151 and A-152 Dust Collectors, S-153 Kiln Feed System abated by A-153 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22- for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour <u>as specified in the O&M Plan</u>	<u>63.1347</u>	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		<u>Use using a manometer, c</u> Check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					Y
<u>63.1350(o)</u>	<u>Alternate Monitoring Requirements Approval</u>	<u>Install, operate, calibrate and maintain instruments</u>				<u>Y</u>	<u>Y</u>
63.1350(p)	Development and Submittal of Monitoring Plans						Y
63.1351	Compliance d <u>Date June 14, 2002</u>	<u>June 14, 2002 for existing source commenced construction before or on March 24, 1998</u>					<u>Y</u>
63.1353(a)	Notification Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>		<u>Y</u>	<u>Y</u>	Y

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Table IV & Table VII - M Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-151 Homogenizer (5-S-1, 5-S-2) abated by A-151 and A-152 Dust Collectors, S-153 Kiln Feed System abated by A-153 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1354(b)(2)	Opacity observation reporting		63.1349		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4) (9)	Semiannual reporting of O&M and SSM actions consistent with the plans	Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements		40 CFR 63, Subpart A			<u>Y</u>	Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/M Visual Inspection (M22) P/M	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y

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Table IV & Table VII- M Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-151 Homogenizer (5-S-1, 5-S-2) abated by A-151 and A-152 Dust Collectors, S-153 Kiln Feed System abated by A-153 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Condition # 2786							
Part C	Test facilities (Basis: Regulation 1-501)						
Part D	Production Rates (Basis: Regulation 2-2-212-cumulative increase)	Clinker throughput not to exceed 1.6 million tons/yr	BAAQMD condition #11780, part E-(2)	Log/Record Keeping P/D	Once every six months	Y	Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P0.67 lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
BAAQMD Condition # 24781	CAM Condition						
Part 1	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart	M22 monthly		P/M			Y
Part 2	Exceedance and Excursion (40 CFR Part 64.6(c)(2)	< 0.5 or > 10 inch water					Y
Part 3	Pressure monometer requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy < 0.5 inch water					Y
Part 4	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 5	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Monthly		P/M			Y
Part 6	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-151 Homogenizer (5-S-1, 5-S-2) abated by A-151 and A-152 Dust Collectors, S-153 Kiln Feed System abated by A-153 Dust Collector

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 7	Gauges Calibration (40 CFR Part 63, Subpart LLL, 40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 8	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 9	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Annually		P/A			Y
Part 10	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5yrs		Y	Y
Part 11	Recordkeeping (Regulation -26-501)	At least for 5 years				Y	Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by ~~A-141, A-142, A-143, A-144, A-171, A-172~~ A-141 and A-142 Dust Collectors, ~~and A-171 and A-172~~ Baghouses, and A-154 Lime Dry/Slurry Injection System, ~~and~~ A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 1	General Provisions and Definitions (7/19/06)						
1-107	Combination of Emissions						Y
1-520	Continuous Emission Monitoring						Y
1-522	Continuous Emission Monitoring and Recordkeeping Procedures						N
1-523	Parametric Monitoring and Recordkeeping Procedures						N
SIP Regulation 1	General Provisions and Definitions (6/28/99)						
1-522	Continuous Emission Monitoring and Recordkeeping Procedures						Y
1-523	Parametric Monitoring and Recordkeeping Procedures						Y
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 27 63.1350(b)(i)	Pressure Drop Monitoring Filter Bag Leak Detector-P/CW PM CEMS-P/C (Effective 9/9/2015)	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition # 24781, Part 23	Visual Inspection Opacity Monitor (M229) P/DC	Once every six months	Y	N

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition # 24781, Part 27 63.1350(b)(i)	Pressure Drop Monitoring Filter Bag Leak Detector-P/WC PM CEMS-P/C (Effective 9/9/2015)	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to lb/hr	BAAQMD condition # 2786 part B	Annual Source Test P/A	Annual	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 27 63.1350(b)(i)	Pressure Drop Monitoring Filter Bag Leak Detector-P/WC PM CEMS-P/C (Effective 9/9/2015)	Once every six months	Y	Y
6-301	Ringelmann Number 1 Limitation	OPACITY	BAAQMD	Visual	Once every	Y	Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		Ringelmann 1.0 for < 3 min/hr	CAM condition # 24781, Part 23	Inspection (M229) Opacity Monitor P/DC	six months		
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM Condition # 24781, Part 27 63.1350(b)(i)	Pressure Drop Monitoring Filter Bag Leak Detector - P/AC PM CEMS-P/C (Effective 9/9/2015)	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to # lb/hr	BAAQMD condition # 2786 part B	Annual Source Test P/A	Annual	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)						
9-1-300	Standards						Y
9-1-301	Limitations on Ground Level Concentrations	SO2 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours					Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
9-1-304	Fuel Burning (Liquid and Solid Fuels)	SO2 300 ppm (dry)	BAAQMD Condition # 2786, part A.3 & A.4	CEM C	Once every month	Y	Y
9-1-500	Monitoring and Records						Y
9-1-501	Area Monitoring Requirements						Y
9-1-502	Emission Monitoring Requirements						Y
9-1-600	Manual of Procedures						Y
9-1-602	Sulfur Content of Fuels						Y
9-1-603	Averaging Times						Y
9-1-604	Ground Level Monitoring						Y
9-1-605	Emission Monitoring						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-301</u>	<u>Emission Limits</u>	<u>NOx < 2.3 lb/ton clinker;</u> <u>PM < 0.04 lb/ton clinker;</u> <u>NH3 < 270 ppmvd @ 7% O2</u> <u>D/F < 0.2 ng-TEO/dscm @ 7% O2;</u> <u>Hg < 55 lb/million ton clinker;</u> <u>THC < 24 ppmvd @ 7% O2 or</u> <u>o-HAP < 12 ppmvd @ 7% O2;</u> <u>HCl < 3 ppmvd @ 7% O2</u>	<u>BAAQMD Reg 9-13-401</u>	<u>Initial, P/A and P/test every 30 months for THC and D/F</u>		<u>Y</u>	<u>N</u>
<u>9-13-302</u>	<u>Opacity (combined stack emissions from kiln, raw mills and fuel mills)</u>	<u>< 10-% opacity for more than 3 minutes in any hour</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-303</u>	<u>Stack Requirements</u>	<u>Monitor emission points</u>	<u>Cal. Health and Safety Code 44300 et al. and</u>			<u>Y</u>	<u>N</u>

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			<u>BAAQMD Reg. 2-5</u>				
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-401</u>	<u>Initial and Annual Demonstration of Compliance</u>	<u>Conduct Initial Demonstration within 30 days, Annual for NOx, PM, NH3, Hg, HCl, every 30-month for THC and D/F</u>	<u>BAAQMD Reg 9-13-601 thru 608</u>	<u>Initial, P/A and P/every 30 months for THC and D/F</u>		<u>Y</u>	<u>N</u>
<u>9-13-403</u>	<u>Total Organic HAP Emissions Test</u>	<u>Establish correlation between total organic HAP and THC</u>	<u>BAAQMD Reg 9-13-607</u>	<u>P/every 30 months</u>		<u>Y</u>	<u>N</u>
<u>9-13-404</u>	<u>Health Risk Assessment (HRA)</u>	<u>HRA before installation of combined stack</u>	<u>Office of Environmental Health Hazard Assessment (OEHHA)</u>	<u>Initial</u>		<u>Y</u>	<u>N</u>
<u>9-13-405</u>	<u>Dioxins and Furans (D/F) Emissions Test</u>	<u>Establish correlation between D/F and Temperature</u>	<u>BAAQMD Reg 9-13-604</u>	<u>P/every 30 months</u>		<u>Y</u>	<u>N</u>
<u>9-13-501</u>	<u>Emissions Monitoring</u>	<u>CEMS: NOx, O2 or CO2; PEMS: NH3, Temperature, Hg, HCl, THC, Operational Integrity of PM control, and Volumetric Flow</u>	<u>BAAQMD Manual of Procedures, Volume V, 40 CFR, Part 63, Appendices</u>	<u>P/C</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
<u>9-13-502</u>	<u>Production Monitoring</u>	<u>Weigh scale system to measure tons-mass/hr of clinker or feed within + 5% accuracy</u>	<u>63.1350(d)</u>	<u>P/H</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
<u>9-13-503</u>	<u>Records</u>				<u>Y</u>	<u>Y</u>	<u>N</u>
<u>9-13-504</u>	<u>Reporting Requirements</u>		<u>BAAQMD Reg 1-522 and 1-523</u>	<u>P/M</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
<u>9-13-601</u>	<u>Determination of Nitrogen Oxides</u>	<u>Source Test ST-13A, ST-14, ST-5 and CEMS</u>	<u>BAAQMD Manual of Procedures, Volume V</u>		<u>Y</u>	<u>Y</u>	<u>N</u>

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
9-13-602	<u>Determination of Particulate Matter</u>	EPA M5, BLDS, or PS11	<u>BAAQMD Manual of Procedures, Volume V, 40 CFR, Part 63, Appendices</u>		<u>Y</u>	<u>Y</u>	<u>N</u>
9-13-603	<u>Determination of Ammonia</u>	<u>Source Test ST-1B, EPA M350.3, PEMS, PPS-001</u>	<u>BAAQMD Manual of Procedures, Volume V, 40 CFR, Part 63, Appendices</u>		<u>Y</u>	<u>Y</u>	<u>N</u>
9-13-604	<u>Determination of Dioxins and Furans</u>	EPA M23	<u>40 CFR, Part 63, Appendices</u>		<u>Y</u>	<u>Y</u>	<u>N</u>
9-13-605	<u>Determination of Mercury</u>	<u>Source Test ST-10, EPA PS 12A or 12b</u>	<u>BAAQMD Manual of Procedures, Volume V, 40 CFR, Part 63, Appendices</u>		<u>Y</u>	<u>Y</u>	<u>N</u>
9-13-606	<u>Determination of Total Hydrocarbon</u>	EPA PS8A	<u>40 CFR, Part 63, Appendices</u>		<u>Y</u>	<u>Y</u>	<u>N</u>
9-13-607	<u>Determination of Total Organic HAP</u>	<u>EPA M320 or ASTM D6348-03</u>	<u>40 CFR, Part 63, Appendices</u>		<u>Y</u>	<u>Y</u>	<u>N</u>
9-13-608	<u>Determination of Hydrochloric Acid</u>	<u>EPA M 320, M321, PS15 or PS18</u>	<u>BAAQMD Manual of Procedures, Volume V, 40 CFR, Part 63, Appendices</u>		<u>Y</u>	<u>Y</u>	<u>N</u>
9-13-609	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedures, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
9-13-611	<u>Determination of Adequately wetted</u>	<u>No Dust Emitted</u>					<u>N</u>

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants/ Lead (3/17/82)						
11-1-604	Determination of Daily Emission Limits						N
SIP Regulation 11, Rule 1	Hazardous Pollutants/ Lead (6/02/80)						
11-1-301	Daily Limitation	LEAD 15 lb/day	BAAQMD Condition #603, Part 8	Source test A	Once every year	Y	Y
<u>NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 1</u>	<u>Specifications and Test Procedures for Continuous Opacity Monitoring Systems in Stationary Sources</u>						<u>Y</u>
NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 2	Specifications and Test Procedures for SO2 and NOx Continuous Emission Monitoring Systems in Stationary Sources						Y
NSPS, 40 CFR Part 60, Appendix B, Performance Specification	Specifications and Test Procedures for O2 and CO2 Continuous Emission Monitoring Systems in Stationary Sources (Compliance by 9/9/2015)						Y

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S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
(PS) 3							
<u>NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 4B</u>	<u>Specifications and Test Procedures for Carbon Monoxide and Oxygen Continuous Emission Monitoring Systems in Stationary Sources</u>						Y
NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 6	Specifications and Test Procedures for Flow Rate Continuous Emission Monitoring Systems in Stationary Sources						Y
NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 8A	Specifications and Test Procedures for THC Continuous Emission Monitoring Systems in Stationary Sources <i>(Compliance by 9/9/2015)</i>						Y
NSPS, 40 CFR Part 60, Appendix B, Performance Specification	Specifications and Test Procedures for PM Continuous Emission Monitoring Systems in Stationary Sources <i>(Compliance by 9/9/2015)</i>						Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
(PS) 11							
NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 12A	Specifications and Test Procedures for Mercury Continuous Emission Monitoring Systems in Stationary Sources <i>(Compliance by 9/9/2015)</i>						Y
NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 12B	Specifications and Test Procedures for Sorbent Trap Continuous Emission Monitoring Systems in Stationary Sources <i>(Compliance by 9/9/2015)</i>						Y
NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 15	Specifications and Test Procedures for Total Organic HAP and HCl Continuous Emission Monitoring Systems in Stationary Sources <i>(Compliance by 9/9/2015)</i>						Y
<u>NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS)</u>	<u>Alternate Specifications and Test Procedures for HCl Continuous Emission Monitoring Systems in Stationary Sources in combination with Quality Assurance Procedure 6</u>						<u>Y</u>

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
<u>18</u>							
NSPS, 40 CFR Part 60, Appendix F, Procedure 1	Quality Assurance Requirements for Gas Continuous Emission Monitoring Systems used For Compliance Determination <i>(Compliance by 9/9/2015)</i>						Y
NSPS, 40 CFR Part 60, Appendix F, Procedure 2	Quality Assurance Requirements for Particulate Matter Continuous Emission Monitoring Systems at Stationary Sources <i>(Compliance by 9/9/2015)</i>						Y
NSPS, 40 CFR Part 60, Appendix F, Procedure 5	Quality Assurance Requirements for Hg Continuous Emission Monitoring Systems or Sorbent Trap-based Integrated Monitoring System used For Compliance Determination <i>(Compliance by 9/9/2015)</i>						Y
<u>NSPS, 40 CFR Part 60, Appendix E, Procedure 6</u>	<u>Quality Assurance Requirements for HCl Continuous Emission Monitoring Systems</u>	<u>RATA once every 4 quarter</u>					<u>Y</u>
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
<u>63.13</u>	<u>State/Regional Addresses</u>						<u>Y</u>
<u>63.14</u>	<u>Incorporation by Reference</u>						<u>Y</u>
<u>63.15</u>	<u>Availability/Availability of Information</u>						<u>Y</u>
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
<u>63.1340(a)</u>	<u>Applicability</u>						<u>Y</u>
63.1340(b)(1)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR part 63, subpart A</u>					Y
60.1343(a)	General (Compliance by 9/9/2015)	<u>All gaseous, mercury, D/F Normal Operation—All Ddioxin D/F, HCl and THC emission limits are corrected to 7% oxygen, dry; Hg, HCl and THC use rolling 30 days average.; THC is measured as</u>					Y

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S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		propane <u>Rolling 30-day average excludes Startup & Shutdown Startup & Shutdown No oxygen correction is required for All dioxin D/F, HCl and THC emissions; Hg, HCl and THC use 7 days ave.</u>					
63.1343(b)(1)	PM Emission Limit - normal operation (Compliance by 9/9/2015)	0.04-07 lb/ton clinker (dry basis)	63.1349(b)(1) 63.1350(b), 63.1350(m) (5), 63.1350(d)	Initial Test <u>CEMSPCM</u> <u>S</u> P/C		Y	Y
	D/F Emission Limit - normal operation	0.2 ng/dscm (TEQ) @ 7% O ₂ ; 0.4 ng/dscf (TEQ) if inlet Temperature is 400 °F or less	63.1349(b)(3) 63.1350(p)(1) to (p)(4)	Initial Test Temperature CPMS P/C		Y	Y
	Mercury Emission Limit - normal operation (Compliance by 9/9/2015)	55 lb/MM ton clinker <u>(calculated as rolling 30-day average)</u>	63.1349(b)(5) 63.1350(k)	Initial Test <u>Hg CEMS or Sorbent trap based CEMS</u> P/C		Y	Y
	THC Emission Limit - normal operation (Compliance by 9/9/2015)	24 ppmvd @ 7% O ₂ measured as propane; or <u>9-12 ppmvd @ 7% O₂ measured as propane of total organic HAP; calculated as a rolling 30-day average</u>	63.1349(b)(2) 63.1350(i)	Initial Test CEMS P/C		Y	Y
	HCl Emission Limit - normal operation (Compliance by 9/9/2015)	3 ppmvd @ 7% O ₂	63.1349(b)(6) 63.1350(l)	Initial Test <u>CEMS or CPMS</u> P/C		Y	Y

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S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1343(b)(1)	PM Emission Limit – startup & shutdown operation (Compliance by 9/9/2015)	0.004 gr/dscf (dry basis) <u>Work Practices</u> 1. During startup use natural gas until the kiln reaches a temperature of 1200 degrees Fahrenheit. 2. Combustion of the primary kiln fuel may commence once the kiln temperature reaches 1200 degrees Fahrenheit. 13. Startup-injection must be turned on at the time the inlet baghouse temp. reaches 300°F (five minute average). Temperature of the gas stream must be measured at the inlet of the baghouse every minute 24. Shutdown-injection system can be turned off during shutdown 35. Particulate control and all remaining devices that control hazardous air pollutants should be operational during startup and shutdown	63.1346(g)49 (b)(1) 63.1350(b); 63.1350(m)(5); 63.1350(d)	Initial Test Startup and Shutdown CEMS P/C		Y	Y
	D/F Emission Limit – startup & shutdown operation	0.2 ng/dscm (TEQ); 0.4 ng/dscf (TEQ) if inlet Temperature is 400 °F or less	63.1349(b)(3) 63.1350(p)(1) to (p)(4)	Initial Test CPMS P/C		Y	Y
	Mercury Emission Limit – startup & shutdown operation (Compliance by 9/9/2015)	10 ug/dscm	63.1349(b)(5) 63.1350(k)	Initial Test CEMS P/C		Y	Y
	THC Emission Limit – startup & shutdown operation (Compliance by 9/9/2015)	24 ppmvd measured as propane; or 9 ppmvd of total organic HAP	63.1349(b)(2) 63.1350(i)	Initial Test CEMS P/C	P/C	Y	Y

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S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	HCl Emission Limit—startup & shutdown operation (Compliance by 9/9/2015)	3 ppmvd	63.1349(b)(6) 63.1350(f)	Initial Test CEMS P/C	P/C	Y	Y
63.1343(e)	Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015						Y
	PM emission limit (NESHAP LLL 6/14/1999)	PM10 0.30 lb/ton of feed (dry basis) to kiln	63.1349(e) (NESHAP LLL 6/14/1999)	Source Test (M5) P/every 5 years for PM10	Every 5 years	Y	Y
	Opacity (NESHAP LLL 6/14/1999)	OPACITY <20%	63.1350(e)(2) (NESHAP LLL 6/14/1999)	Visual inspection (M9) P/D	Once every six months	Y	Y
	Opacity (NESHAP LLL 6/14/1999)	OPACITY <20%	63.1349(e) (NESHAP LLL 6/14/1999)	Periodic Source Test (M9) P/every 5 years	Once every six months	Y	Y
	D/F (NESHAP LLL 6/14/1999)	8.7E-11 gr/dscf (TEQ); or 1.7E-10 gr/dscf (TEQ) when temperature at inlet ≤ 400°F	63.1349(d) (NESHAP LLL 6/14/1999)	Periodic Source Test (M23) P/Every 30 months	Once every 30 months	Y	Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction					Y	Y
63.1346(a)(1)	Temperature Operating Limit @ inlet of dust control when raw mill is operating	Temperature < Set Temperature <u>per</u> <u>63.1349(b)(3)(iv)</u> ; Startup/shutdown - Temperature <u>cannot exceed</u> >	63.1349(b)(3) (iv)			Y	Y

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<u>S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction</u>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		Set Temperature <u>per 63.1349(b)(3)(iv)</u> by 10%					
63.1346(a)(2)	Temperature Operating Limit @ inlet of dust control when raw mill is not operating	Temperature < Set Temperature <u>per 63.1349(b)(3)(iv)</u> Startup/shutdown - Temperature <u>cannot exceed ></u> Set Temperature <u>per 63.1349(b)(3)(iv)</u> by 10%	63.1349(b)(3)(iv)			Y	Y
63.1346(b)	<u>Procedure for determining Temperature temperature Operating operating Limit limit at inlet of control device</u>	Set the temperature limit @ inlet of dust control device	63.1349(b)(3)(iv)			Y	Y
63.1346(e)(1)	Activated Sorbent Injection Rate	3-hr rolling average sorbent injection rate > sorbent injection rate during the set temperature test	63.1349(b)(3)(iv)			Y	Y
63.1346(e)(2)(i) or (ii)	Activated Sorbent Injection Rate	Maintain minimum activated carbon injection carrier gas flow rate as 3-hr rolling avge. or Maintain minimum activated carbon injection carrier gas pressure drop as 3-hr rolling avge.	63.7(e)			Y	Y
63.1346(d)	Activated Sorbent Type and Brand	Specify and use the same type of brand of sorbent until a subsequent performance test conducted				Y	Y
63.1346(e)	Substitute Substitute Activated Sorbent Type and Brand	Substitute if replacement is equivalent or improved compare to the ones in the test plan and performance test				Y	Y
63.1346(e)(1)	Activated Sorbent Injection Rate (Compliance by 9/9/2015)	3-hr rolling ave. sorbent injection rate > sorbent injection rate during the set temperature test	63.1349(b)(3)(iv)			Y	Y
63.1346(e)(2)(i) or (ii)	Activated Sorbent Injection Rate (Compliance by 9/9/2015)	Maintain minimum activated carbon injection carrier gas	63.7(e)			Y	Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		flow rate as 3-hr rolling ave.; or Maintain minimum activated carbon injection carrier gas pressure drop as 3-hr rolling ave.					
63.1346(d)	Activated Sorbent Type & Brand (Compliance by 9/9/2015)	Specify and use the same type and brand of sorbent until a subsequent performance test is conducted				Y	Y
63.1346(e)	Substitute Activated Sorbent Type & Brand (Compliance by 9/9/2015)	Substitute if replacement is equivalent or improved compare to the ones in the test plan and performance test				Y	Y
63.1346(f)	Flyash Usage	No flyash as raw material or fuel where mercury can be increased				Y	Y
63.1346(g)	<u>Startup and Shutdown Work Practice</u>	<u>1. During startup use natural gas until the kiln reaches a temperature of 1200 degrees Fahrenheit. 2. Combustion of the primary kiln fuel may commence once the kiln temperature reaches 1200 degrees Fahrenheit. 3. Startup-injection must be turned on at the time the inlet baghouse temp. reaches 300°F (five minute average). Temperature of the gas stream must be measured at the inlet of the baghouse every minute 4. Injection system can be turned off during shutdown 5. Particulate control and all remaining devices that control hazardous air pollutants should be operational during startup and shutdown Natural Gas Fuel until T= 1200 °F; Turn-on all control</u>		<u>P/ Temp measures every minute</u>		<u>Y</u>	<u>Y</u>

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>devices; records during startup and shutdown; Use primary fuel after reaching 1200°F</u> <u>Dry sorbent and activated carbon turn on when inlet to the baghouse reaches 300°F; such injection system can be turned off during shutdown</u> <u>Baghouse and all remaining devices should be operational during startup and shutdown</u>					
63.1347	Operation and Maintenance Plan Requirements <u>including during startup and shutdown</u>	<u>Operation, Maintenance, Corrective Action, Procedure for inspection</u>	63.1350(f)(3)	<u>P/once every 5 year</u>		Y	Y
63.1348(a)(1)	Initial PM Compliance <u>(Compliance by 9/9/2015)</u>	0.04-07 lb/ton clinker (dry basis)	63.1349(b)(1)	Initial Test		Y	Y
63.1348(a)(3)(i)	Initial D/F Compliance <u>(Compliance by 9/9/2015)</u>	<u>Perform initial compliance test per §63.1349(b)(3) using three separate performance tests while raw mill is operating and while raw mill is not operating. 0.2-4 ng/dscm (TEQ) @ 7% O₂ inlet Temperature is 400 °F or less — normal operation 0.2 ng/dscm (TEQ) — startup/shutdown</u>	63.1349(b)(3)	Initial Test		Y	Y
63.1348(a)(3)(ii)	Initial Temperature Compliance	<u>Perform temperature compliance test per §63.1349(b)(3)(ii) through (b)(3)(iv). Average Applicable temperature limit</u>	63.1349(b)(3)(ii) to (b)(3)(iv)	Initial Test		Y	Y
63.1348(a)(3)(iii)	<u>Initial Activated Carbon Injection Rate Compliance (Compliance by 9/9/2015)</u>	Average activated carbon injection rate limit	63.1349(b)(3)(v)	Initial Test		Y	Y
63.1348(a)(3)(iv)	<u>Initial Carrier Gas Parameter Compliance</u>	Average carrier gas parameter <u>(flow rate or pressure drop)</u>	63.1349(b)(3)(vi)	+5% accuracy		Y	Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	(Compliance by 9/9/2015)	limit					
63.1348(a)(4)(i)	Initial THC Compliance (Compliance by 9/9/2015)	<u>Perform initial compliance test per §63.1349(b)(4)(i). Use average THC concentration obtained during first 30 kiln operating days after compliance date for initial compliance demonstration. Average 30 first days for initial compliance</u>	63.1349(b)(4)(i)	CEMs Ave. 30 days		Y	Y
63.1348(a)(4)(ii)	Initial Total Organic HAP (Compliance by 9/9/2015)	Source Test HAP for THC & THC CEMs (3 hr avg) at the same time	63.1349(b)(7)(iii) & 63.1349(b)(4)(iv)	Source Test THC CEMS		Y	Y
63.1348(a)(4)(iii)	Initial Total Organic HAP compliance while raw mill on and off (Compliance by 9/9/2015)	3 runs, 1 hour each run	63.1349(b)(7)(iii)	CEMs <u>THC CEMS</u> Ave. 30 days Initial Source Test		Y	Y
63.1348(a)(4)(iv)	Initial Total Organic HAP	Time weighted average Total Organic HAP	63.1349(b)(7)	Initial <u>Initial Test</u>		<u>Y</u>	<u>Y</u>
63.1348(a)(4)(v)	Initial THC Compliance (Compliance by 9/9/2015)	<u>Time w</u> Weighted average THC when the raw is on and off	63.1349(b)(4)(iv), 63.1349(b)(7)(vii) or (viii)	THC CEMs		Y	Y
63.1348(a)(5)	Initial Mercury Compliance (Compliance by 9/9/2015)	<u>Demonstrate compliance using mercury CEMS or sorbent trap based CEMS and first 30 operating days of using sorbent trap monitoring system after compliance date of rule. Average 30 first days for initial compliance</u>	63.1349(b)(5)	Hg CEM or Sorbent Trap Initial Test		Y	Y
63.1348(a)(6)(i)	Initial HCl Compliance for Source with Wet Scrubber or Tray Tower (Compliance by 9/9/2015)	Arithmetic average 3 runs. Establish appropriate site specific parameter limits	63.1349(b)(6)(i)	THC CEMs Ave. 30 days		Y	Y
63.1348(a)(6)	Initial HCl Compliance for Source with no Wet Scrubber	<u>Demonstrate initial compliance using average hourly values</u>	63.1349(b)(6)(ii)	HCl CEMs		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
(ii)	or Tray Tower (Compliance by 9/9/2015)	<u>obtained during first 30 kiln operating days after compliance date of rule. Average 30 first days for initial compliance</u>		Ave. 30 days			
<u>63.1348(a)(7)</u>	<u>Commingled Exhaust Requirements</u>	<u>Fuel Mill and Kiln exhaust monitoring and testing</u>		<u>CEM</u>		<u>Y</u>	<u>Y</u>
63.1348(b)(1)	<u>Continuous Monitor</u> General Requirements (Compliance by 9/9/2015)	Monitor, collect <u>CEMs</u> <u>continuous monitoring data except during startup and shut down, monitor malfunction and repair; determine and</u> hourly clinker production rate	63.1350, 63.1350(ep), 63.1350(d)	CEMS <u>or</u> <u>CPMS</u> P/C		Y	Y
63.1348(b)(2)	Continuous PM Compliance (Compliance by 9/9/2015)	PM <u>CEMS</u> <u>CPMS</u> 30 days rolling <u>ave.</u> for normal operation <u>7 days rolling ave. for startup/shutdown</u>	63.1350(b) & (d)	<u>CEMS</u> <u>CPMS</u> <u>S</u> P/C		Y	Y
<u>63.1348(b)(3)</u>	<u>Continuous Opacity Compliance</u>	<u>COMS</u> <u>Bag Leak Determination System (BLDS)</u>	<u>63.1350(f)(4)(i)</u> <u>63.1350(f)(4)(ii)</u>	<u>P/C</u>		<u>Y</u>	<u>Y</u>
63.1348(b)(4)	Continuous D/F Compliance (Compliance by 9/9/2015)	Continuous temperature monitor	63.1350(g)	CPMS P/C		Y	Y
<u>63.1348(b)(5)(i)</u>	<u>Continuous Activated Carbon Injection Compliance</u> (Compliance by 9/9/2015)	<u>Continuous activated carbon injection rate monitor</u> <u>3-hr rolling ave. injection rate</u>	<u>63.1350(h)(1)</u>	<u>CEMS</u> P/C		<u>Y</u>	<u>Y</u>
<u>63.1348(b)(5)(ii)</u>	<u>Continuous Gas Parameter Compliance</u> (Compliance by 9/9/2015)	<u>Continuous gas parameter monitor</u> <u>3-hr rolling ave. parameter value</u>	<u>63.1350(h)(2)</u>	<u>CEMS</u> P/C		<u>Y</u>	<u>Y</u>
63.1348(b)(6)	Continuous THC Compliance (Compliance by 9/9/2015)	THC CEMS 30 days rolling ave. for normal operation <u>7 days rolling ave. for startup/shutdown</u>	63.1350(i) & (j)	CEMS P/C		Y	Y
63.1348(b)(7)	Continuous Mercury Compliance (Compliance by 9/9/2015)	Mercury CEMS <u>or sorbent trap monitoring</u>	63.1350(k)	<u>Hg</u> CEMS <u>or sorbent</u>		Y	Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		30 days rolling ave. for normal operation 7 days rolling ave. for startup/shutdown		<u>trap based CEMS</u> P/C			
63.1348(b)(8)	Continuous HCl Compliance (Compliance by 9/9/2015)	HCl CEMS <u>As an alternative, SO₂ CEMS may be used to establish SO₂ operating level during initial and repeat HCl performance tests and monitor the SO₂ level using procedures in 63.1350(l)(3)</u>	63.1349(b)(6) & 63.1350(l)	CEMS or CPMS P/C		Y	Y
63.1348(b)(8) (i)	Continuous HCl Compliance for Source with no Wet Scrubber or Tray Tower (Compliance by 9/9/2015)	HCl CEMS 30 days rolling ave. for normal operation 7 days rolling ave. for startup/shutdown	63.1350(l)(1)	CEMS P/C		Y	Y
63.1348(b)(8) (ii)	Continuous HCl Compliance for Source with Wet Scrubber or Tray Tower (Compliance by 9/9/2015)	HCl CEMS 30 days rolling ave. for normal operation 7 days rolling ave. for startup/shutdown	63.1350(l)(2)	CEMS P/C		Y	Y
63.1348(b)(8) (iii)	HCl Measured Location	Upstream of the fuel mill or in the fuel mill stack				Y	Y
63.1348(b)(8) (iv)	Alternative to Continuous HCl Compliance	Use SO₂ CEMS to establish SO₂ operating level during initial and repeat HCl tests and monitor SO₂ level	63.1350(l)	CEMS P/C		Y	Y
63.1348(b)(9)	Startup and Shutdown Compliance	1. Startup-injection must be turned on at the time the inlet baghouse temp. reaches 300°F 2. During Sshutdown. - injection system can be turned off 3. Particulate control and all remaining devices that control hazardous air pollutants should be operational during startup and shutdown		P/ Temp measures every minute		Y	Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1348(c)	Changes in Operations	<u>1. Conduct source test per §63.1349(b) if there are planned operational changes</u> <u>2. Operation under planned operational change conditions not to exceed 360 hours provided performance test conditions in §63.1348(c)(2)(i) through (c)(2)(iv) are met</u> <u>Operational changes must not exceed 360 hours</u>	<u>63.1349(b)</u>			<u>Y</u>	Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance Test Requirements	Test description, method, etc...; <u>Install flow meter</u>	<u>63.7(c)(2)(i); 63.1350(n)(1) thru (10)</u>	<u>Initial and subsequent tests</u>	Y	<u>Y</u>	Y
63.1349(b)(1)	PM Emissions Tests <i>(Compliance by 9/9/2015)</i>	<u>Complete initial PM performance test using Method 5 or Method 5I. Monitor continuous performance through PM CPMS. For PM CPMS, establish site-specific operating limit per §63.1349(b)(1)(iii)-(iv). Repeat performance test annually and reassess and adjust site-specific operating limit.</u> <u>For each performance test, conduct at least three separate test runs each while mill is on and mill is off.</u> <u>Include information per §63.1349(b)(1)(vii) in electronic submission of test reports.</u> <u>Install, operate, calibrate maintain a PM CPMS correlation with First 30 days of initial PM demonstration test</u> <u>CEMS, hourly PM concentration, stack volumetric flow rate</u>	63.1350(b), 63.1350(m) (5), 63.1350(d)	<u>Initial M5</u> <u>P/C</u> <u>P/A</u> <u>Performing test</u>		Y	Y

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<u>S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction</u>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1349(b)(2)	Opacity Test (Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015)	Method 9 — 3 hours (30-6 minutes average); Reduce to 1hr if no individual reading > 10% opacity	63.1350(e)(2) (NESHAP LLL 6/14/1999)	Visual inspection (M9) P/D	Once every six months	Y	Y
63.1349(b)(3)	D/F Emissions Tests	Conduct performance test per Method 23 and in accordance with §63.1349(b)(3). Install, operate, calibrate maintain a temperature CPMS	63.1350(m) (1), through 63.1350(m)(4)	Method 23 Initial		Y	Y
63.1349(b)(4)	THC CEMS Relative Accuracy Emissions Test (Compliance by 9/9/2015)	Operate THC CEMS in accordance with §63.1350(i) and conduct initial compliance test within first 30 days of kiln operation after compliance date of the rule. For purposes of conducting accuracy and quality assurance for the CEMS, THC span value (as propane) is 50 ppmvd and reference method is Method 25A. In lieu of THC CEMS, conduct total organic HAP test per §63.1349(b)(7). THC Span value (as C3) is 50 ppmvd reference Method 25A. Demonstrate compliance with RATA when accuracy between the CEMS and test audit is within 20% or test audit result. In lieu of THC, one may conduct total organic HAP	63.1350(i)(1) & (i)(2) 63.1350m(1) through (m)(4)	PS 8 and PS 8A Within 30 days of initial CEMS		Y	Y
63.1349(b)(5)	Mercury Emissions Tests (Compliance by 9/9/2015)	Install and operate Mercury mercury CEMS or Sorbent Sorbent Trap monitoring system; conduct initial compliance test within first 30 days of kiln operation after compliance date of rule	63.1350(k)	Within 30 days of initial initial Hg CEMS or Sorbent trap based CEMS		Y	Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1349(b)(6)	HCl Emissions Test (Compliance by 9/9/2015)	<u>Within 30 kiln operating days after the compliance date of the rule, conduct initial performance test per Method 321 of Appendix A unless a CEMS that meets requirements of §63.1350(l)(1) has been installed. Establish site specific operating limits if using HCl CPMS per §63.1349(b)(6)(v). In lieu of establish parameter limits of HCl CPMS, SO₂ CEMS data can be used per §63.1350(l)(3). HCl CEMS</u>	63.1350(l)(1)	<u>Within 30 days of initial HCl CEMS or CPMS</u>		Y	Y
63.1349(b)(7)	Total Organic HAP Emission Tests	<u>In lieu of performance test per §63.1349(b)(4), conduct performance test to determine total organic HAP using Method 320 of Appendix A, Method 18 of Appendix A of Part 60, ASTM D6348-03 or a combination. Establish site-specific THC emission limit during total organic HAP performance test per §63.1349(b)(7)(viii) and (ix). Correlation HAP with THC</u>	63.1350(j)	<u>Within 30 days of initial CEMSTHC CEMS</u>		Y	Y
63.1349(b)(8)	HCl Emissions Tests with SO ₂ Monitoring	<u>If SO₂ emissions are monitored for HCl compliance, follow procedures in §63.1349(b)(8)(i)-(ix) and in accordance with §63.1350(l)(3). Establish SO₂ operating limit</u>	60.1350(l)	<u>Within 30 days of initial CEMS SO₂ CEMS (as applicable)</u>		Y	Y
63.1349(c)	Performance Test Frequency if not monitored by CEMS	Conduct performance tests for D/F, organic HAP and HCl (while using CPMS) every 30 months. Conduct PM performance test every 12		P/every 30 months for <u>D/F, HAP and HCl;</u>	Y	Y	Y

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S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		months.		<u>P/12 month for PM</u>			
63.1349(d)	Performance Test Reporting Requirements	Report electronically within 60 days after of initial performance test			<u>Y</u>	Y	Y
63.1349(e)	<u>Conditions of Performance</u> Performance Test Conducted Under Representative Performance	<u>Performance test conducted under representative performance conditions</u>			<u>Y</u>	Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation <u>Continuous compliance with monitoring requirements</u>					Y
63.1350(b)(1)	PM Monitoring Requirements for Sources using PM CEMS <u>CPMS</u> (Compliance by 9/9/2015)	Install, operate PM monitor accordance with Performance Specification 11 (Appendix B) and Procedure 2 (Appendix F) <u>Use PM CPMS to establish site-specific operating limit. Conduct performance test using Method 5 or Method 5L. Repeat performance test annually and reassess and adjust site-specific operating limit. Perform Test M5 or M5L and PM CPMS to demonstrate continuous compliance</u>	<u>63.1349(b)(1) (i) thru (vi)</u>	CEMS PS-11 (Method 5 or 5i); Procedure 2 <u>P/A</u>		Y	Y
63.1350(b)(2)	PM Monitoring Requirements for Sources using PM CEMS (Compliance by 9/9/2015)	Relative Response Audits and Response Correlation Audits		P/A Relative Response Audits and every 3 yrs Response Correlation Audits		<u>Y</u>	<u>Y</u>
63.1350(b)(3)	PM Monitoring Requirements for Sources using PM CEMS (Compliance by 9/9/2015)	Continuous measuring and recording exhaust gas flow rate	<u>63.1350(n)(1) to (n)(10)</u>			<u>Y</u>	<u>Y</u>
63.1350(b)(4)	PM Monitoring Requirements for Sources using PM CEMS	Collect reading at least every 15 mins. Sum the hourly to		Reading at least every		<u>Y</u>	<u>Y</u>

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	(Compliance by 9/9/2015)	daily data then into a 30 day rolling ave. or 7 day rolling ave.		15 mins			
63.1350(d)(1),(2) & (3)	Clinker Production Monitoring Requirements (Compliance by 9/9/2015)	Weigh the clinker produced or feed mass flow to kiln within 5% accuracy		Hourly rate <u>P/Q for accuracy</u>		Y	Y
63.1350(d)(4)	Develop an Emissions Monitoring Plan (Compliance by 9/9/2015)		63.1350(ep)(1) to (ep)(4)			Y	Y
63.1350(g)	D/F Monitoring Requirements	Continuous Temperature Monitor <u>(CEMS)</u> , Hourly temperature is the ave. of previous 3 hr rolling 3-hr average , using 180 successive <u>successive</u> 1 min averaged data <u>Develop Emission Monitoring Plan</u>	<u>63.1350(g)(1) thru (g)(6), (m)(1) thru (m)(4) and (p)(1) thru (p)(4)</u>	Every 1 min for Temp <u>P/Q for temperature verification</u>		Y	Y
<u>63.1350(h)</u>	<u>Monitoring Requirements for sources using sorbent injection</u>	<u>Continuous Temperature Monitor (CEMS); Hourly temperature is the ave. of previous 3 hr rolling, using 1 min data</u> <u>Develop Emission Monitoring Plan</u>	<u>63.1350(h)(1) thru (h)(2); (m)(1) thru (m)(4); (m)(9) and (p)(1) thru (p)(4)</u>	<u>Every 1 min for Temp</u> <u>P/Q for sorbent rate verification</u>		<u>Y</u>	<u>Y</u>
63.1350(h)	D/F Monitoring Requirements	Develop an Emission Monitoring Plan	63.1350(p)(1) to (p)(4)			Y	Y
63.1350(h)(1)(i) & (ii)	Monitoring Requirements for Sources Using Sorbent Injection (Compliance by 9/9/2015)	Continuous activated carbon injection rate monitor within 1% accuracy; Hourly rate is the ave. of previous 3-hr rolling	Calibration every 3 mons			Y	Y
63.1350(h)(2)(i) & (ii)	Monitoring Requirements for Sources Using Sorbent Injection (Compliance by 9/9/2015)	Continuous gas carrier parameter (gas flow rate or carrier gas pressure drop); Hourly rate is the ave. of previous 3-hr rolling				Y	Y
63.1350(i)	THC Monitoring Requirements (Compliance by 9/9/2015)	<u>Install and operate THC CEMS per PS 8 or PS 8A of Appendix</u>	63.1350(i)(1) thru (i)(2)	<u>THC CEMS PS8 or PS</u>		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>B to Part 60. Operate and maintain each CEMS according to quality assurance requirements in Procedure 1 of Appendix F in part 60.</u> Develop an Emission Monitoring Plan	(m)(1) thru (m)(4) and (p)(1) thru (p)(4)	<u>8A</u>			
<u>63.1350(i)(1)</u>	<u>Monitoring Requirements for THC (Compliance by 9/9/2015)</u>	<u>Install, operate and maintain THC CEMS</u>	<u>Quality Assurance Procedure 1 of appendix F</u>	<u>PS 8 or PS 8A</u>		<u>Y</u>	<u>Y</u>
<u>63.1350(i)(2)</u>	<u>Performing Tests on fuel mill stack</u>		<u>Appendix A, 40 CFR part 60</u>	<u>M25A</u> <u>P/every 30 months</u>		<u>Y</u>	<u>Y</u>
63.1350(j)	Total Organic HAP Monitoring Requirements (Compliance by 9/9/2015)	<u>Install, operate and maintain THC CEMS per PS 8 or PS 8A of Appendix B to Part 60. Operate and maintain each CEMS according to quality assurance requirements in Procedure 1 of Appendix F in part 60.</u> Develop an Emission Monitoring Plan	63.1350(i)(1) to (i)(2), (m)(1) thru (m)(4) and (p)(1) to (p)(4)	<u>THC CEMS PS 8 or 8A</u>		Y	Y
<u>63.1350(j)</u>	<u>Monitoring Requirements for Total Organic HAP (Compliance by 9/9/2015)</u>	<u>Install, operate and maintain THC CEMS</u>	<u>63.1350(i)(1) to (i)(2) and (m)(1) to (m)(4)</u>			<u>Y</u>	<u>Y</u>
63.1350(k)	Mercury Monitoring Requirements (Compliance by 9/9/2015)	<u>Install and operate a Hg CEMS in accordance with PS 12A of Appendix B to Part 60 or an integrated sorbent trap monitoring system per PS 12B of Appendix B to Part 60. Operate and maintain sorbent trap monitoring system according to Procedure 5 of Appendix F in part 60.</u> Develop an Emission	63.1350(p)(1) to (p)(4)	<u>PS 12A CEMS or 12B for sorbent trap</u>		Y	Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		Monitoring Plan					
63.1350(k)(1)	Mercury Span Monitoring Requirements (Compliance by 9/9/2015)	Use span value At at least 2 X two times the emission standard rounded up to nearest multiple of 5 µg/m ³				Y	Y
63.1350(k)(2)	Hg CEMS or Sorbent Trap (Compliance by 9/9/2015)	To quality assure data above span value use 63.1350(k)(2)(i) through (iii) Operate, maintain according to quality assurance requirements in Procedure 5 of appendix F to part 60				Y	Y
<u>63.1350(k)(3)</u>	<u>Quality Assurance Requirements</u>	<u>Operate and maintain Hg CEMS or integrated sorbent trap based CEMS according to quality assurance requirements in under Procedure 5 for quality assurance of Appendix F to Part 60</u>				<u>Y</u>	<u>Y</u>
63.1350(k)(3 4)	Relative Accuracy Test for Hg CEMS or Sorbent Trap (Compliance by 9/9/2015)	Test during normal operating conditions with the raw mill on				Y	Y
63.1350(k)(4 5)	Hg CEMS <u>or sorbent trap</u> (Compliance by 9/9/2015)	Install, operate and maintain Hg CEMS <u>instrument for continuously measuring and recording the exhaust gas flow rate</u>	63.1350(n)(1) to (n)(10)			Y	Y
<u>63.1350(k)(6)</u>	Sorbent Sorbent trap monitoring	<u>Monitoring period at least 24 hours but no longer than 168 hours</u>		<u>PS 12B</u>		<u>Y</u>	<u>Y</u>
63.1350(l)	HCl Monitoring Requirements (Compliance by 9/9/2015)	Develop an Emission Monitoring Plan	63.1350(p)(1) to (p)(4)			Y	Y
63.1350(l)(1)	Monitoring Requirements for HCl (Compliance by 9/9/2015)	Install, operate and maintain according to quality assurance requirements in Performance Specification 15 and Procedure 1 of appendix F to part 60		<u>PS 15</u>		Y	Y
63.1350(m)	Parameter Monitoring Requirements	Install, operate and maintain Continuous Monitor Parameter	63.1350(m)(1) to (m)(11)			Y	Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	(Compliance by 9/9/2015)	Monitor System (CPMPS)					
63.1350(n)	Continuous Emissions Flow Rate Monitoring System (Compliance by 9/9/2015)	Install, operate, calibrate and maintain instruments	<u>63.1350(n)(1) to (n)(10)</u>			Y	Y
63.1350(o)	Alternate Monitoring Requirements Approval (Compliance by 9/9/2015)	Install, operate, calibrate and maintain instruments	<u>63.1350(o)(1) to (o)(6)</u>			Y	Y
63.1350(p)	Development and Submittal (upon request) of Monitoring Plans (Compliance by 9/9/2015)	Plan for each continuous monitoring system (CMS)	<u>63.1350(p)(1) to (p)(65)</u>			Y	Y
63.1351	Compliance Dates	Existing sources with the PM, Hg, THC and HCl emissions limits became effective on September 9, 2015 compliance date				Y	Y
63.1352	Additional Test Methods (Compliance by 9/9/2015)	HCl and HAP methods	<u>Appendix A 40 CFR Part 60</u>	<u>M321- HCl M320 or M18-HAP</u>		Y	Y
63.1353(a)	Notification Requirements of Subpart A					<u>Y</u>	Y
63.1353(b)	Notification requirements						Y
63.1354(a)	Reporting Requirements of Subpart A					<u>Y</u>	Y
63.1354(b)	Reporting Requirements		63.1354(b)(9) (vi)	CEMS P/C	Ave. Hg, D/F, THC, PM and HCl once every <u>6</u> month	Y	Y
63.1354(c)	Failure to meet Standard Semiannual Report	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements					Y	Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part	Compliance Assurance						

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S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
64	Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(ii)	Data Collection – average of four or more data values equally spaced over each hour	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/W Visual Inspection (M22) P/D	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition# 603							
Part 1	Abatement requirement (Basis: Cumulative Increase)						Y
Part 2	Throughput Limits (Basis: Cumulative Increase)	Coal: 29 ton/hr Coke: 20 ton/hr Coal/Coke: 4,960,000 MMBTU/year	BAAQMD Condition # 603 Part 10	Record keeping P/D	Quarterly	Y	Y
*Part 5	Hexavalent Chromium emission limit (Basis: Toxics)	1.062.08 lbs per any consecutive 12 month period	BAAQMD Condition # 603 Part 8	Annual Source Test P/A	Once every six months	Y	N
Part 7	Flow Meter requirement (Basis: Regulation 2.6.503)	4 Flow meters at A-141 and A-142; 2 Flow meters at A-171 and A-172	BAAQMD Condition # 603 Part 10	CEM €	Quarterly	Y	Y
*Part 8	Annual Source Test for trace metals, benzene, HCl, and THC	Trace metals (Sb, As, Be, Cd, total Cr, Cr ⁶⁺ , Cu, Hg, Mn, Ni,		Annual Source Test	Annual	Y	N

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	(Basis: Periodic Monitoring, Regulation 1-502, <u>Toxics</u>)	P, Pb, Se, V, Zn), benzene, <u>NH3</u> , Hydrochloric Acid (HCL), and total hydrocarbon (THC), <u>D/F and total HAP</u>		P/A <u>P/every 30 months for D/F and HAP</u>			
Part 9	Source Test Procedure (Basis: Source test compliance verification and accuracy)			Source Test P/A	Annual	Y	<u>NY</u>
Part 10	Record keeping (Basis: Recordkeeping)			Record keeping P/D	<u>Quarterly Monthly</u>	Y	Y
Part 11	Use Lime <u>Dry/Slurry Injection</u> System to mitigate/maintain HCl Emissions (Basis: Cumulative Increase, NESHAP Subpart LLL, <u>Regulation 9-13</u>)	3 ppmvd <u>HCl @ 7% O₂</u> or <u>2.8 tons dry/slurry lime/day.</u>	BAAQMD Condition # 603, Part 12	CEM C	<u>Quarterly Monthly</u>	Y	Y
Part 12	Install, operate and maintain HCl CEM (Basis: Regulation 2-6-503, NESHAP Subpart LLL, <u>Regulation 9-13</u>)					<u>Y</u>	Y
Part 13	Recordkeeping (Basis: <u>Regulation 9-13, NESHAP Subpart LLL</u> RACT)			CEM C	<u>Quarterly Monthly</u>	Y	Y
<u>Part 14a</u>	<u>Recordkeeping (Basis: Cumulative Increase)</u>	<u>At least 5 years</u>		<u>CEM</u> <u>C</u>	<u>Quarterly</u>	<u>Y</u>	<u>Y</u>
<u>*Part 14b</u>	<u>Recordkeeping (Basis: H&S Code 44300 et seq., Cumulative Increase)</u>	<u>Maintain Hg, HCl, THC, PM, Temperature, Opacity and Volumetric Flow at At least 5 years</u>		CEM Hg C	Monthly	Y	<u>NY</u>
<u>Part 15a</u>	<u>Continuous Emission Monitor requirement (Basis: Regulation 1-522, 1-602, Manual of Procedures, Volume V)</u>					<u>Y</u>	<u>Y</u>
<u>*Part 15b</u>	Continuous Emission Monitor requirement (Basis: Regulation 1-522, <u>1-523</u> , 1-602, <u>Manual of Procedures, Volume V, & S Code</u>)	<u>Hg, HCl, THC, PM, Opacity and Volumetric Flow CEMS</u>				Y	<u>NY</u>

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
<u>S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction</u>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	44300 et seq NESHAP Subpart LLL, Regulation 9-13)						
*Part 16	Total Mercury Emission Limits, (Basis: Regulation 9-13, NESHAP Subpart LLL)	26+ 55 lb Hg/ m million tons clinker; 88 lb Hg/yr (12-month rolling ave.) 0.064 lb/hr		CEM C	Monthly	Y	NY
*Part 17	Install, Operate & Maintenance CEMs for Acitivated Carbon Injection System A-156. (Basis: Regulation 9-13, NESHAP Subpart LLL)					Y	NY
*Part 18	Hg Calculation Using Material Balance during the period waiting for the Hg CEMs certification from EPA. (Basis: H&S Code 44300 et seq.)			Lab Analysis of Inlet & Outlet Materials Monthly	Monthly	Y	N
*Part 19	Reporting Requirement (Basis: Regulation 1-522)				Monthly		N
*Part 20	Monitoring Plan (Basis: Regulation 9-13, NESHAP LLL)	Hg, NH3, HCl, THC, PM and Volumetric Flow CEMS				Y	NY
Part 21	Total HAP or THC (Basis: NESHAP LLL, Regulation 9-13)	12 ppmvd of total organic HAP @ 7% O ₂ over 30-day rolling average; or 322 ppmv THC @ 7% O ₂ over 30-day rolling average		CEM THC C	Monthly	Y	Y
Part 22	Dioxins and Furans (D/F) or Temperature. (Basis: NESHAP LLL, Regulation 9-13)	0.2 ng-TEQ/dscfm; or 392 degree F (200 degree C)		CEM Temperature C	Monthly	Y	Y
Part 24	CEMS results	Reporting Format			Monthly	Y	Y
BAAQMD Condition # 2786							
Part A1	Sulfur dioxide limitation (Basis: Regulation 2-2-212 cumulative	SO2 Rejection of 90% of the sulfur	BAAQMD condition	CEM	Once every six months	Y	Y

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	increase)	in the raw feed plus fuel, not requiring 0.6% sulfur coal as the fuel; or 481 lb/hr averaged over the 24 hour calendar day (423 lbs/hr if coal emissions are not monitored	# 2786, part A3	C			
Part A3	Continuous SO ₂ and NO _x monitoring requirement (Basis: Cumulative increase)						Y
Part A4	Sulfur Dioxide Determination (Basis: Regulation 2-2-212 cumulative increase)						Y
Part B	Annual Source Test requirement (Basis: Cumulative Increase, Regulation 1-502)			Source Test P/A	Annual	Y	Y
Part B(1)	PM Limit (Basis: Regulation 2-2-212 Cumulative increase)	PM ₁₀ 36 lb/hr and 0.02 gr/DSCF	BAAQMD condition # 2786 part B	Annual Source Test P/A	Annual	Y	Y
<u>Part B(4)</u>	<u>PM Limit (Basis: Regulation 2-2-212 Cumulative increase)</u>	<u>PM₁₀ 0.04 lb/ton clinker produced</u>	<u>BAAQMD condition # 2786 part B</u>	<u>Annual Source Test P/A</u>	<u>Annual</u>	<u>Y</u>	<u>Y</u>
<u>Part B(5)</u>	<u>PM Limit (Basis: Regulation 9-13, Regulation 6-1)</u>	<u>Opacity Ringelmann 1 or 20% opacity for more than 3minutes</u>	<u>BAAQMD condition # 2786 part B</u>	<u>Annual Source Test P/A and P/C</u>	<u>Annual</u>	<u>Y</u>	<u>Y</u>
Part C	Test facilities (Basis: Regulation 1-501)						Y
Part D	Production Rates (Basis: Regulation 2-2-212 cumulative increase)	Clinker throughput not to exceed 1.6 million tons/yr	BAAQMD condition #11780, part E-(2)	Log/Record Keeping P/D	Once every six months	Y	Y
BAAQMD Condition # 11780							
Part A	Definitions requirement (Basis: CAA Section 182(f) – RACT)						Y
<u>Part A(1)</u>	<u>Breakdown (Basis: RACT)</u>	<u>Handling</u>	<u>Regulation 1-112 and</u>			<u>Y</u>	<u>Y</u>

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			432 through 434				
Part A(2)	Cement Kiln (Basis: Applicability)	Device					Y
Part (A)(3)	Clinker (Basis: Applicability)	Finished cement					Y
Part (A)(4)	Startup (Basis: Regulation 9-13)	No longer than 36 hours					Y
Part (A)(5)	Short tons (Basis: Compliance verification component)	Equivalent to 2,000 pounds					Y
Part (A)(6)	Shutdown (Basis: Regulation 9-13)	No longer than 24 hours					Y
Part B	Production limits (Basis: Regulation 2-2-212 Cumulative Increase)	Clinker throughput not to exceed 1.6 million tons/yr 410 NH3 delivery trucks	BAAQMD condition #11780, part E-(2)	Log/Record Keeping P/D	Once every six months	Y	Y
Part (B)(1)	Clinker Throughput (Basis: Cumulative Increase)	Clinker throughput not to exceed 1.6 million tons/yr	BAAQMD condition #11780, part E (2)	Log/Record Keeping P/D	Once every six months	Y	Y
Part (B)(2)	Aqueous Ammonia at S-154 (Basis: Cumulative Increase)	2,450,000 gallons NH3 in any calendar year	BAAQMD condition 11780, Part (B)(4)	P/M		Y	Y
Part (B)(3)	Ammonia hydroxide delivery trucks (Basis: Cumulative Increase)	410 delivery trucks in 12 consecutive months	BAAQMD condition 11780, Part (B)(4)	P/M		Y	Y
Part (B)(4)	Records (Basis: Cumulative Increase)	Monthly hour of operation, clinker, ammonia hydroxide and delivery trucks				Y	Y
Part C(1)	Emission limits (Basis: RACT)	NOx All kiln emission points <1158 lb/hr and <615 ppm averaged for 2 hr	BAAQMD condition #11780, part E	CEM C	Once every six months	Y	Y
Part C(3)	Emission limits (Basis: RACT, Regulation 9-13)	NOx <6.42.3 lb/ton clinker on a 24-hr basis (averaged over 30 operating days)	BAAQMD condition #11780, part E	CEM/ Record keeping C	Monthly & Once every six months	Y	Y
Part C(4)	Ammonia Limit (Basis: Regulation 9-13)	NH3 < 270 ppmvd at 7% Oxygen, (based on 182-day	BAAQMD condition	CEM	Monthly & Once every	Y	Y

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S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>rolling average)</u>	<u>#11780, part E</u>	<u>C</u>	<u>six months</u>		
<u>Part C(5)</u>	<u>S-154 Kiln abate by A-157 SNCR at all times (Basis: Regulation 9-13)</u>					<u>Y</u>	<u>Y</u>
<u>Part D</u>	<u>Compliance Determination (Basis: Regulation 2-2-212 Cumulative Increase)</u>						<u>Y</u>
<u>Part D(1)</u>	<u>All emissions determinations (Basis: RACT)</u>	<u>As-found operating condition, except during start-up, shut-down or under breakdown conditions</u>				<u>Y</u>	<u>Y</u>
<u>Part D(2)</u>	<u>Nitrogen Oxides (NOx) (Basis: RACT)</u>	<u>Calculate NOx as NO₂ on dry basis</u>				<u>Y</u>	<u>Y</u>
<u>Part D(3)</u>	<u>Conversion Conversion to NOx (Basis: RACT)</u>	<u>Using ppmv and exhaust flow rate equation</u>				<u>Y</u>	<u>Y</u>
<u>Part E</u>	<u>Monitoring records (Basis: Cumulative Increase RACT)</u>						<u>Y</u>
<u>Part E(1)</u>	<u>NOx and ammonia CEMS</u>	<u>Measure using CEMS</u>				<u>Y</u>	<u>Y</u>
<u>Part E(2)</u>	<u>Maintain daily records (Basis: RACT)</u>	<u>Of clinker production, heat input including the type of fuel burned and quantity of fuel (MMBtu/ton clinker)</u>		<u>P/D</u>		<u>Y</u>	<u>Y</u>
<u>Part E(3)</u>	<u>Maintain hourly CEMS (Basis: RACT)</u>	<u>Of NOx and NH₃ in ppm; date, time, duration of start-up, shut-down, or malfunction; test results, evaluation, calibration, checks, adjustments, maintenance of CEMS (Basis: RACT)</u>		<u>P/H</u>		<u>Y</u>	<u>Y</u>
<u>Part E(4)</u>	<u>Records (Basis: Cumulative increase)</u>	<u>5 years</u>				<u>Y</u>	<u>Y</u>
<u>Part F</u>	<u>Manual of procedures (Basis: Regulation 1-522; Manual of Procedures, Volumes IV & V)</u>						<u>Y</u>
<u>Part F(1)</u>	<u>Determination of Nitrogen Oxides; Determination of NH₃</u>	<u>Source Test ST 13A or 13B and EPA Method 7E</u>	<u>Regulation 9-13-501</u>			<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

~~Table IV & Table VII- N~~

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precaliner Fuel Mill System, S-154 Precaliner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	<u>(Basis: Manual of Procedures, Volume IV)</u>	<u>Source Test ST1B and EPA Method 350.3</u>					
Part F(2)	<u>CEMS Requirements (Basis: Manual of Procedures, Volume V)</u>	<u>CEMS Manual of Procedures, Volume V</u>	<u>Regulation 1-522, 1-602</u>			<u>Y</u>	<u>Y</u>
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition #24781	CAM Condition						
Part 23	<u>Conduct Visible Emissions</u> <u>Install 44 broken bag leak detectors (NESHAP 40 CFR Part 63 Subpart LLL, Regulation 9-13)</u>	<u>M22-Daily Ringelmann 1 or 20% opacity</u>		<u>P/DC</u>		<u>Y</u>	Y
Part 24	<u>Exceedance and Excursion Compliance Assurance Monitoring Plan (40 CFR Part 64.6(c)(2))</u>	<u><0.5 or > 10 inch water for S-141, S-142, S-154 and S-161</u> <u><0.5 or > 14 inch water for S-171 and S-172</u> <u>Exceedance if > 10 milligram per cubic meter of PM</u> <u>Excursion if exceedance is within 1 minutes of minutes of PM</u>					Y
Part 25	<u>Pressure monometer requirement Broken bag detector or CPMS Cycle Requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))</u>	<u>Minimum Accuracy < 0.5 inch water</u> <u>One minimum cycle for each successive 15 minutes and minimum of four successive cycles to have a valid hour data</u>					Y
Part 26	<u>Pressure Drop Operation Range Particulate Matter Concentration Range (40 CFR Part 64.4(a))</u>	<u>Operating pressure drop range (0.5 to 10 inch water)</u> <u>Operating concentration range shall be less than 10 milligram per actual cubic meter</u>					Y
Part 27	<u>Pressure Drop Reading Alarm System for Broken Bag Leak Detector (40 CFR Part 64.3(b)(4)(iii))</u>	<u>Weekly Alarm when exceeding a preset level</u>		<u>P/CW</u>		<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII~~- N

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-141 Raw Mill 1 (4-GM-1), S-142 Raw Mill 2 (4-GM-2), S-143 Raw Mill 1 Separator system (4-SE-3), S-144 Raw Mill 2 Separator Circuit (4-SE-4), S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-154 Precalciner Kiln abated by A-141, A-142, A-143, A-144, A-171, A-172 A-141 and A-142 Dust Collectors, and A-171 and A-172 Baghouses, and A-154 Lime Dry/Slurry Injection System, and A-156 Activated Carbon Injection System and A-157 Selective Non-Catalytic Reduction

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 28	Minimize Emissions <u>Develop and Implement a Quality Improvement Plan (QIP) if Exceedance Occurs</u> (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)	<u>Determine the cause and reponse procedure to exceedance or excursion</u>					Y
Part 29	Gauges Calibration <u>Inspect Broken Bag Leak Detectors</u> (40 CFR Part 64.3(b)(3)	Quarterly <u>Manufacturer's Specification</u>		P/QM			Y
Part 30	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual <u>Report</u>			P/SA		Y
Part 31	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	<u>Manufacturer's Recommendation</u>		P/A		<u>Y</u>	Y
Part 32	Source Test (Regulation 2-1-403)	Annually		P/A		Y	Y
Part 33	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- O Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-161 Clinker Cooler (5-CC-1) ABATED BY A-161 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 27 63.1350(b)(i)	Pressure Drop Monitoring- P/W PM CEMS- P/C (9/9/2015)	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 23; or BAAQMD condition # 20753, part 2	Visual Inspection (M22) or Visual Inspection (M9) P/D	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition # 24781, Part 27 63.1350(b)(i)	Pressure Drop Monitoring- P/W PM CEMS P/C (9/9/2015)	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD condition # 2786 part B	Annual Source Test P/A	Annual	Y	N
6-1-401	Appearance of Emissions						N

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- O Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-161 Clinker Cooler (5-CC-1) ABATED BY A-161 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 27 63.1350(b)(i)	Pressure Drop Monitoring-P/W PM CEMS-P/C (Effective 9/9/2015)	Once every six months	Y	Y
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 23; or BAAQMD condition # 20753, part 2	Visual Inspection (M22) or Visual Inspection (M9) P/D	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition # 24781, Part 27 63.1350(b)(i)	Pressure Drop Monitoring-P/W PM CEMS-P/C (9/9/2015) P/C P/M for A-161	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- O Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-161 Clinker Cooler (5-CC-1) ABATED BY A-161 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to 1 lb/hr	BAAQMD condition # 2786 part B	Annual Source Test P/A	Annual	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 20 % opacity for more than 3 minutes in any hour</u>	<u>BAAQMD 6-1-302</u>	<u>BAAQMD Manual of Procedure</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedure, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
NSPS, 40 CFR Part 60, Appendix B, Performance Specification (PS) 11	Specifications and Test Procedures for PM Continuous Emission Monitoring Systems in Stationary Sources (compliance by 9/9/2015)						Y
NSPS, 40 CFR Part 60, Appendix F, Procedure	Quality Assurance Requirements for Particulate Matter Continuous Emission Monitoring Systems at Stationary Sources (compliance by 9/9/2015)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- O Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-161 Clinker Cooler (5-CC-1) ABATED BY A-161 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
2							
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						Y
63.14	Incorporation by Reference						Y
63.15	Availability/Availability of Information						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15) (Effective on 11/8/10)						
63.1340(a)	Applicability						Y
63.1340(b)(2)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1343(b)(1)	PM Emission Limit - normal operation (Compliance by 9/9/2015)	0.04-07 lb/ton clinker (dry basis)	63.1349(b)(1) 63.1350(b),	Initial Test CEMSCPM		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- O Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-161 Clinker Cooler (5-CC-1) ABATED BY A-161 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			63.1350(m)(5), 63.1350(d)	<u>S</u> P/C			
	PM Emission Limit – startup & shutdown operation (Compliance by 9/9/2015)	0.004 gr/dscf (dry basis) Work Practices	63.13491348(b)(+2) 63.1350(b); 63.1350(m)(5); 63.1350(d)	Initial Test <u>CEMSCPM</u> <u>S</u> P/C		Y	Y
63.1343(e)	Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015						Y
	PM emission limit (NESHAP LLL 6/14/1999)	PM10 0.10 lb/ton dry feed	63.1349(e) (NESHAP LLL 6/14/1999)	Source Test (M5) P/Every 5 years	Every 5 years	Y	Y
	Opacity limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1350(d)(2) (NESHAP LLL 6/14/1999)	Visual Inspection (M9) P/D	Once every six months	Y	Y
	Opacity limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1349(e) (NESHAP LLL 6/14/1999)	Source Test (M9) P/Every 5 years	Every 5 years	Y	Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction					Y	Y
63.1347	Operation and Maintenance Plan Requirements	<u>Operation, maintenance, corrective action including startup and shutdown</u>	<u>63.1350(f)(3)</u>			Y	Y
63.1348(a)(1)	Initial PM Compliance (Compliance by 9/9/2015)	0.04-07 lb/ton clinker (dry basis)	63.1349(b)(1)	Initial Test		Y	Y
63.1348(b)(1)	Continuous <u>Monitor General Compliance Requirements</u> (Compliance by 9/9/2015)	Monitor and Collect Data <u>except during startup and shutdown</u>	63.1350 & 63.1350(ep)			Y	Y
63.1348(b)(2)	Continuous PM Compliance (Compliance by 9/9/2015)	PM <u>CEMSCPM S</u> 30 days rolling ave. for normal operation 7 days rolling ave. for startup/shutdown	63.1350(b), 63.1350(d)	<u>CEMSCPM</u> <u>S</u> P/C		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- O Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-161 Clinker Cooler (5-CC-1) ABATED BY A-161 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1348(c)	Changes in Operations		<u>63.1349(b)</u>				Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance Test Requirements	Test description, method, etc..., <u>Install Flow Meter</u>	<u>63.7(c)(2)(i), 63.1350(n)(1) thru (10)</u>	<u>Initial and subsequent tests</u>	Y	<u>Y</u>	Y
63.1349(b)(1)	PM Emissions Tests (Compliance by 9/9/2015)	<u>Install, operate, calibrate maintain a PM CEMSCPMS correlation with PM First 30 days of initial PM CEMS, hourly PM concentration, stack volumetric flow rate demonstration test</u>	<u>63.1350(b), 63.1350(m) (5), 63.1350(d)</u>	<u>Initial M5 P/C P/A Performing test</u>		Y	Y
<u>63.1349(b)(2)</u>	<u>Opacity Test (Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015)</u>	<u>Method 9—3 hours (30-6 minutes average); Reduce to 1hr if no individual reading > 10% opacity</u>	<u>63.1350(e)(2) (NESHAP LLL 6/14/1999)</u>	<u>Visual inspection (M9) P/D</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
63.1349(d)	Performance Test Reporting Requirements	Report electronically within 60 days of initial after performance test			<u>Y</u>	Y	Y
63.1349(e)	Performance Test Conducted Under Representative Performance Conditions of Performance	<u>Performance test conducted under representative performance conditions</u>			<u>Y</u>	Y	Y
63.1350(a)	Monitoring Requirements	<u>Startup & shutdown averaged separately from normal operation</u>					Y
63.1350(b)(1)	PM Monitoring Requirements for Sources using PM CEMSCPMS (Compliance by 9/9/2015)	<u>Perform Test M5 and PM CPMS to demonstrate continuous compliance. Install, operate PM monitor accordance with Performance Specification 11 (Appendix B) and Procedure 2 (Appendix F)</u>	<u>63.1349(b)(1) (i) thru (vi)</u>	<u>CEMS PS 11 (Method 5 or 5i), Procedure 2 P/A</u>		Y	Y
<u>63.1350(b)(2)</u>	<u>PM Monitoring Requirements for Sources using PM CEMS (Compliance by 9/9/2015)</u>	<u>Relative Response Audits and Response Correlation Audits</u>		<u>P/A Relative Response Audits and every 3 yrs Response Correlation Audits</u>		<u>Y</u>	<u>Y</u>
<u>63.1350(b)(3)</u>	<u>PM Monitoring Requirements for</u>	<u>Continuous measuring and</u>	<u>63.1350(n)(1)</u>			<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- O Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-161 Clinker Cooler (5-CC-1) ABATED BY A-161 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Sources using PM CEMS (Compliance by 9/9/2015)	recording exhaust gas flow rate	to (n)(10)				
63.1350(b)(4)	PM Monitoring Requirements for Sources using PM CEMS (Compliance by 9/9/2015)	Collect reading at least every 15 mins. Sum the hourly to daily data then into a 30 day rolling ave. or 7 day rolling ave.		Reading at least every 15 mins		Y	Y
63.1350(d)(1), (2) & (3)	Clinker Production Monitoring Requirements (Compliance by 9/9/2015)	Weight the clinker produced or feed mass flow to kiln within 5% accuracy		Hourly rate P/O for accuracy within 30 days of 11/8/10		Y	Y
63.1350(d)(4)	Develop an Emissions Monitoring Plan (Compliance by 9/9/2015)		63.1350(ep)(1) to (ep)(10)			Y	Y
63.1350(m)	Parameter Monitoring Requirements	Install, operate and maintain Continuous Parameter Monitor System (CPMS)	63.1350(m)(1) to (m)(11)			Y	Y
63.1350(n)	Continuous Emissions-Flow Rate Monitoring System (Compliance by 9/9/2015)	Install, operate, calibrate and maintain instruments	63.1350(n)(1) to (n)(10)			Y	Y
63.1350(o)	Alternate Monitoring Requirements Approval (Compliance by 9/9/2015)	Install, operate, calibrate and maintain instruments	63.1350(o)(1) to (o)(6)			Y	Y
63.1350(p)	Development and Submittal (upon request) of Monitoring Plans (Compliance by 9/9/2015)	Plan for each continuous monitoring system (CMS)	63.1350(p)(1) to (p)(65)			Y	Y
63.1351	Compliance Dates	Existing sources with the PM, Hg, THC and HCl emissions limits became effective in September 9, 2015 compliance date				Y	Y
63.1353(a)	Notification Requirements of Subpart A						Y
63.1353(b)	Notification requirements						Y
63.1354(a)	Reporting Requirements of Subpart A					Y	Y
63.1354(b)	Reporting Requirements		63.1354(b)(9) (vi)	CEMS P/C	Ave. Hg, THC, PM and HCl—once every 6 month	Y	Y
63.1354(c)	<u>Failure to meet</u>	Report must include			Once every	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- O Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-161 Clinker Cooler (5-CC-1) ABATED BY A-161 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Standard <u>Semiannual Report</u>	malfunction			six months		
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/W Visual Inspection (M22) P/D	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
<u>BAAQMD Condition # 603</u>							
<u>Part 24</u>	<u>CEMS results</u>	<u>Reporting Format</u>			<u>Monthly</u>	<u>Y</u>	<u>Y</u>
<u>BAAQMD Condition # 2786</u>							
Part B	Annual Source Test requirement (Basis: Cumulative Increase, Regulation 1-502)			Source Test P/A	Annual	Y	Y
Part B(3)	PM Limit (Basis: Regulation 2-2-212 Cumulative increase 9-13)	PM10 8 lb/hr and 0.041 gr/DSCF	BAAQMD condition # 2786 part B	Annual Source Test	Annual	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- O Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-161 Clinker Cooler (5-CC-1) ABATED BY A-161 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/A			
Part B(6)	Opacity	Ringelmann 1 or 20% f or 3 minutes in any 1 hour	BAAQMD 9-13 and 6-1-301 & 302			Y	Y
Part C	Test facilities (Basis: Regulation 1-501)						Y
Part D	Production Rates (Basis: Regulation 2-2-212 cumulative increase)	Clinker throughput not to exceed 1.6 million tons/yr	BAAQMD condition #11780, part E-(2)	Log/Record Keeping P/D	Once every six months	Y	Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition #20753							
Part 2	Daily EPA Method 9 Visible Emission Monitoring (Regulation 2-6-503)						Y
BAAQMD Condition #24781	CAM Condition						
Part 23	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart LLL)	M22 Daily		P/D			Y
Part 24	Exceedance and Excursion (40 CFR Part 64.6(e)(2))	<0.5 or > 10 inch water for S-154 and S-161 <0.5 or > 14 inch water for S-171 and S-172					Y
Part 25	Pressure monometer requirement (40 CFR Part 64.6(e)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy < 0.5 inch water					Y
Part 26	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 27	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Weekly		P/W			Y
Part 28	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(e)(3), 64.7(d)(2), 64.8)						Y
Part 29	Gauges Calibration (40 CFR Part	Quarterly		P/Q			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- O Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-161 Clinker Cooler (5-CC-1) ABATED BY A-161 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	64.3(b)(3)						
Part 30	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 31	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))			P/A			Y
Part 32	Source Test (Regulation 2-1-403)	Annually		P/A		Y	Y
Part 33	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y
Part 23	Install 44 broken bag lead leak detectors (NESHAP 40 CFR Part 63 Subpart LLL, Regulation 9-13)	Ringlemann 1 or 20% opacity		P/C		Y	Y
Part 24	Compliance Assurance Monitoring Plan (40 CFR Part 64.6(c)(2))	Exceedance if > 10 milligram per cubic meter of PM Excursion if exceedance is within 1 minutesof minutes of PM					Y
Part 25	Broken bag detector or CPMS Cycle Requirement Requirement (40 CFR Part 64.6(c)(1))	One minimum cycle for each successive 15 minutes and minimum of four seeeesivesuccessive successive cycle to have a valid hour data					Y
Part 26	Particulate Matter Concentration Range (40 CFR Part 64.4(a))	Operating concentration range shall be less than 10 milligram per actual cubic meter					Y
Part 27	Alarm System for Broken Bag Leak Detector (40 CFR Part 64.3(b)(4)(iii))	Alarm when exceeding a preset level		P/C		Y	Y
Part 28	Develop Develop and Implement a Quality Improvement Plan (QIP) if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)	Determine the cause and reponse response procedure to exceedance or excursion					Y
Part 29	Inspect Broken Bag Leak Detectors (40 CFR Part 64.3(b)(3))	Manufacturer's Specification		P/M			Y
Part 30	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual Report			P/SA		Y
Part 31	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Manufacturer's Recommendation		P/A		Y	Y
Part 32	Source Test (Regulation 2-1-403)	Annually		P/A		Y	Y
Part 33	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII- P</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-162 Clinker Silo (5-S-11) abated by A-162 Dust Collector, S-163 Clinker Silo (5-S-12) abated by A-163 Dust Collector, S-164 Free lime Storage Bin abated by A-164 Dust Collector S-165 Clinker Transfer System abated by A-165 and A-190 Dust Collectors</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-162 Clinker Silo (5-S-11) abated by A-162 Dust Collector, S-163 Clinker Silo (5-S-12) abated by A-163 Dust Collector, S-164 Free lime Storage Bin abated by A-164 Dust Collector S-165 Clinker Transfer System abated by A-165 and A-190 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition #24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition #24781, Part 5	Pressure Drop Monitoring P/M	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, 4.01 lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test s P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control</u>	<u>Drops Heights, wind break,</u>		<u>Visual</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-162 Clinker Silo (5-S-11) abated by A-162 Dust Collector, S-163 Clinker Silo (5-S-12) abated by A-163 Dust Collector, S-164 Free lime Storage Bin abated by A-164 Dust Collector S-165 Clinker Transfer System abated by A-165 and A-190 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Measures	enclosures, area cover, water spray, vacuum, Dust Control Plan		Inspection (M9)			
9-13-609	Determination of Visible Emissions		BAAQMD Manual of Procedure, Volume 1, Part 1	VE	Y	Y	N
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						Y
63.14	Incorporation by Reference						Y
63.15	Availability/Availability of Information						Y
NESHAP, 40 CFR, Part 63 Subpart	Portland Cement Manufacturing Industry (9/9/10)(7/27/15) (Effective on 11/8/10)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-162 Clinker Silo (5-S-11) abated by A-162 Dust Collector, S-163 Clinker Silo (5-S-12) abated by A-163 Dust Collector, S-164 Free lime Storage Bin abated by A-164 Dust Collector S-165 Clinker Transfer System abated by A-165 and A-190 Dust Collector s							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
LLL							
<u>63.1340(a)</u>	<u>Applicability</u>						<u>Y</u>
<u>63.1340(b)(6) & (7)</u>	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR part 63, subpart A</u>					Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 P/M	<u>Once every six months</u>	<u>Y</u>	Y
63.1347	Operation & Maintenance Plan Requirements	<u>Written operations and maintenance plan</u>	<u>63.1350(f)(3)</u>		<u>Y</u>	Y	Y
63.1347(a)(1)	Procedures for Proper O&M of Affected Source and Air Pollution Control Devices						Y
63.1348(a)(2)	Initial Compliance Requirements	<u>Opacity Compliance - M(9) 30 6-mins Opacity 10%</u>	<u>63.1349(b)(2) 63.1349(b)(2)</u>	<u>Initial M9 Initial</u>		<u>Y</u>	Y
63.1348(b)(1)(i)	<u>Continuous Monitoring</u> General Requirements (Compliance by 9/9/2015)	Monitor, collect CEMS data	63.1350 & 63.1350(o)			Y	Y
63.1348(b)(3) (+)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(+)	M22 P/M			Y
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions	<u>Good Air Pollution Practices</u>			<u>Y</u>	<u>Y</u>	Y
63.1349(a)	Performance test reports	Test description, method, etc...			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-162 Clinker Silo (5-S-11) abated by A-162 Dust Collector, S-163 Clinker Silo (5-S-12) abated by A-163 Dust Collector, S-164 Free lime Storage Bin abated by A-164 Dust Collector S-165 Clinker Transfer System abated by A-165 and A-190 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial <u>each</u> performance test		<u>Initial</u>	<u>Initial</u> <u>Y</u>	Y	Y
63.1349(e)	Performance Test Conducted Under Representative <u>Performance Conditions</u>					Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
<u>63.1350(f)</u>	<u>Opacity Monitoring Requirements</u>	<u>M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)(1)(i)	Opacity Monitoring Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M		<u>Y</u>	Y
63.1350(f)(1)(ii)	Opacity Monitoring Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitoring Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitoring Requirement	If visible <u>VE</u> observed during any M22 tests, <u>conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u> conduct 5-6 mins of M9 within 1 hour		M22, then M9 within 1 hr P/E			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII- P</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-162 Clinker Silo (5-S-11) abated by A-162 Dust Collector, S-163 Clinker Silo (5-S-12) abated by A-163 Dust Collector, S-164 Free lime Storage Bin abated by A-164 Dust Collector S-165 Clinker Transfer System abated by A-165 and A-190 Dust Collectors</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; <u>subject to O&M Plan requirements</u>		<u>O&M Plan</u>			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 <u>according to (f)(i) – f(iv) for at least 10 mins</u>		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour <u>as specified in the O&M Plan</u>	<u>63.1347</u>	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		<u>Using ae manometer. c</u> Check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer’s specified maximum pressure range or install a new pressure sensor					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal of Monitoring Plans						Y
63.1351	Compliance date June 14, 2002	June 14, 2002 for existing					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-162 Clinker Silo (5-S-11) abated by A-162 Dust Collector, S-163 Clinker Silo (5-S-12) abated by A-163 Dust Collector, S-164 Free lime Storage Bin abated by A-164 Dust Collector S-165 Clinker Transfer System abated by A-165 and A-190 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		source commenced construction before or on March 24, 1998					
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63, Subpart A		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		63.1349		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4 2)	Semiannual reporting of O&M and SSM actions consistent with the plans	Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	<u>Y</u>	<u>Y</u>
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements		40 CFR 63, Subpart A			<u>Y</u>	Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/M	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-162 Clinker Silo (5-S-11) abated by A-162 Dust Collector, S-163 Clinker Silo (5-S-12) abated by A-163 Dust Collector, S-164 Free lime Storage Bin abated by A-164 Dust Collector S-165 Clinker Transfer System abated by A-165 and A-190 Dust Collector s							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				Visual Inspection (M22) P/M			
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition # 2786							
Part C	Test facilities (Basis: Regulation 1-501)						
Part D	Production Rates (Basis: Regulation 2-2-212 cumulative increase)	Clinker throughput not to exceed 1.6 million tons/yr	BAAQMD condition # 11780, part E(2)	Log/Record Keeping P/D	Once every six months	Y	Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
BAAQMD Condition #	CAM Condition						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-162 Clinker Silo (5-S-11) abated by A-162 Dust Collector, S-163 Clinker Silo (5-S-12) abated by A-163 Dust Collector, S-164 Free lime Storage Bin abated by A-164 Dust Collector S-165 Clinker Transfer System abated by A-165 and A-190 Dust Collectors							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
24781							
Part 1	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart LLL)	M22 monthly		P/M			Y
Part 2	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	< 0.5 or > 10 inch water					Y
Part 3	Pressure monometer requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy < 0.5 inch water					Y
Part 4	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 5	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Monthly		P/M			Y
Part 6	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 7	Gauges Calibration (40 CFR Part 63, Subpart LLL, 40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 8	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 9	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Annually		P/A			Y
Part 10	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5yrs		Y	Y
Part 11	Recordkeeping (Regulation -26-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-1Q
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-167 Lime Bin abated by A-167 Baghouse, Pulse Jet Dust Collector,
S-613 Storage Bin for Lime/soda Ash/Sodium Bicarbonate abated by A-613 Baghouse, Pulse Jet Dust Collector

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 24626, parts 1 & 2	Pressure Drop Monitoring P/M		Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 24626, part 2	Pressure Drop Monitoring P/M		Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD condition # 24646 part 9	Source Test P/every 5 yrs	Initial & once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 24626, parts 1 & 2	Pressure Drop Monitoring P/M		Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 24626, part 2	Pressure Drop Monitoring P/M		Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is	BAAQMD condition #	Source Test	Initial & once every	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII~~- P-1Q
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-167 Lime Bin abated by A-167 Baghouse, Pulse Jet Dust Collector,
S-613 Storage Bin for Lime/soda Ash/Sodium Bicarbonate abated by A-613 Baghouse, Pulse Jet Dust Collector

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		process weight, ton lb/hr	24646 part 9	P/every 5 yrs	5 yrs		
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and ToxicToxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedure, Volume 1, Part 1</u>	<u>VE</u>	<u>Y</u>	<u>Y</u>	<u>N</u>
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66	Subpart 000. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y
<u>NESHAP, 40 CFR, Part 63 Subpart A</u>	<u>General Provisions (4/20/06)</u>						
<u>63.1</u>	<u>Applicability</u>						<u>Y</u>
<u>63.2</u>	<u>Definitions</u>						<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII- P-1Q~~
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-167 Lime Bin abated by A-167 Baghouse, Pulse Jet Dust Collector,
S-613 Storage Bin for Lime/soda Ash/Sodium Bicarbonate abated by A-613 Baghouse, Pulse Jet Dust Collector

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.3	Units and Abbreviations						<u>Y</u>
63.4	Prohibited Activities and Circumvention						<u>Y</u>
63.5	Preconstruction review and notification requirements						<u>Y</u>
63.6	Compliance with Standards and Maintenance Requirements						<u>Y</u>
63.7	Performance Testing Requirements						<u>Y</u>
63.8	Monitoring Requirements						<u>Y</u>
63.9	Notification Requirements						<u>Y</u>
63.10	Recordkeeping and Reporting Requirements						<u>Y</u>
63.12	State Authority and Delegation						<u>Y</u>
63.13	State/Regional Addresses						<u>Y</u>
63.14	Incorporation by Reference						<u>Y</u>
63.15	Availability of Information						<u>Y</u>
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (7/27/15)						
63.1340(a)	Applicability						<u>Y</u>
63.1340(b)(6) & (7)	Applicability						<u>Y</u>
63.1341	Definitions						<u>Y</u>
63.1342	Standards: General	40 CFR part 63, subpart A					<u>Y</u>
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 P/M	Once every six months	<u>Y</u>	<u>Y</u>
63.1347	Operation & Maintenance Plan Requirements	Written operations and maintenance plan	63.1350(f)(3)		<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1348(a)(2)	Initial Compliance Requirements	Opacity Compliance - M(9) 30 6-mins	63.1349(b)(2)	Initial		<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-1Q

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-167 Lime Bin abated by A-167 Baghouse, Pulse Jet Dust Collector, S-613 Storage Bin for Lime/soda Ash/Sodium Bicarbonate abated by A-613 Baghouse, Pulse Jet Dust Collector

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1348(b)(1)(i)	Continuous Monitoring General Requirements	Monitor, collect continuous monitoring data	63.1350 & 63.1350(o)			<u>Y</u>	<u>Y</u>
63.1348(b)(3)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)	M22 P/M			<u>Y</u>
63.1348(c)	Changes in Operations						<u>Y</u>
63.1348(d)	General Duty to Minimize Emissions	Good Air Pollution Practices			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1349(a)	Performance test reports	Test description, method, etc...			<u>Y</u>		<u>Y</u>
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 Initial		<u>Y</u>	<u>Y</u>
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		<u>Y</u>	<u>Y</u>
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		<u>Y</u>	<u>Y</u>
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after each performance test		Initial	<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1349(e)	Performance Test Conducted Under Representative Performance Conditions					<u>Y</u>	<u>Y</u>
63.1350(a)	Monitoring Requirements						<u>Y</u>
63.1350(f)	Opacity Monitoring Requirements	M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)(1)(i)	Opacity Monitoring Requirement	10-min visible test with M22 of appendix A-7 monthly		M22 P/M		<u>Y</u>	<u>Y</u>
63.1350(f)(1)(ii)	Opacity Monitoring Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual; if VE observed during semi-annual, revert to monthly		M22 P/SA			<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII- P-1Q~~
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-167 Lime Bin abated by A-167 Baghouse, Pulse Jet Dust Collector, S-613 Storage Bin for Lime/soda Ash/Sodium Bicarbonate abated by A-613 Baghouse, Pulse Jet Dust Collector

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(f)(1)(iii)	Opacity Monitoring Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; if VE observed during semi-annual, revert to monthly		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitoring Requirement	If VE observed during any M22 tests, . . . conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; subject to O&M Plan requirements		O&M Plan			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 according to (f)(i) – f(iv)		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour as specified in the O&M Plan	63.1347	P/E			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour as specified in the O&M Plan	63.1347	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		Use manometer, check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-1Q
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-167 Lime Bin abated by A-167 Baghouse, Pulse Jet Dust Collector,
S-613 Storage Bin for Lime/soda Ash/Sodium Bicarbonate abated by A-613 Baghouse, Pulse Jet Dust Collector

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		manufacturer's specified maximum pressure range or install a new pressure sensor					
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal of Monitoring Plans						Y
63.1351	Compliance date June 14, 2002	June 14, 2002 for existing source commenced construction before or on March 24, 1998					Y
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			Y	Y
63.1353(b)(3)	Opacity test notification					Y	Y
63.1353(b)(5)	Notification of Compliance Status					Y	Y
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63, Subpart A		Y	Y	Y
63.1354(b)(2)	Opacity observation reporting		63.1349		Y	Y	Y
63.1354(b)(9)	Semiannual reporting	Via Compliance and Emissions Data Reporting Interface (CEDRI)			Once every six months	Y	Y
63.1354(c)	Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements		40 CFR 63, Subpart A			Y	Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
NSPS 40-CFR, Part 60 Subpart A	General Provisions						
60.7	Notification and Recordkeeping						N
60.8	Performance Testing Requirements						N
60.10	State Authority and Delegation						N
60.11	Compliance with Standards and						N

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII- P-1Q~~
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-167 Lime Bin abated by A-167 Baghouse, Pulse Jet Dust Collector,
S-613 Storage Bin for Lime/soda Ash/Sodium Bicarbonate abated by A-613 Baghouse, Pulse Jet Dust Collector

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Maintenance Requirements						
60.12	Circumvention						Y
60.13	Monitoring Requirements						Y
60.19	Recordkeeping Requirements						Y
NSPS 40 CFR 60 Subpart 999	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a) and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y
60.672(f)	Baghouse that control emission from only an individual enclosed storage bin is exempt from the PM concentration, but must meet the opacity limit	OPACITY <7%	60.675(e)(2)(i)	Visible Inspection (M9) Initial		Y	Y
60.673	Reconstruction						Y
60.674(e)	Monitoring of operations			Visible Inspection (M22) P/Q		Y	Y
60.675	Test Methods and Procedures			Visible Inspection (M9) Initial		Y	Y
60.676	Reporting and recordkeeping				Initial	Y	Y
BAAQMD Condition # 24626							
Part 1	Ringelmann 1.0 limitation (Basis: BACT, Regulation 6-1, Regulation 1-301)	Ringelmann 1.0 for < 3 min/hr	BAAQMD Condition # 24626, part 2	Pressure Drop Monitoring P/M		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-1Q Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-167 Lime Bin abated by A-167 Baghouse, Pulse Jet Dust Collector, S-613 Storage Bin for Lime/soda Ash/Sodium Bicarbonate abated by A-613 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 2	Abatement with manometer (Basis: 6-1-301, 6-1-310, 6-1-311, Regulation 2-1-403)			Pressure Drop Monitoring P/M			Y
Part 3	Outlet grain loading limit (Basis: Regulation 2-2-212 cumulative increase)	0.0013 gr/dscf	BAAQMD Condition # 24626, part 9	Source Test P/5 yrs	Initial & once every 5 yrs	Y	Y
Part 4	Throughput rate limit (Basis: Regulation 2-2-212 cumulative increase)	5,800 tons/yr	BAAQMD Condition # 24626, part 6	Record Keeping P/M	Annual	Y	Y
Part 5	Truck limits (Basis: to avoid cumulative increase of PM10)	290 hydrated lime trucks per year , 70,000 total cement and hydrated lime, <u>Soda ash/ Sodium Bicarbonate</u> trucks per year	BAAQMD Condition # 24626, part 6	Record Keeping P/M		Y	Y
Part 6	Recordkeeping (Basis: Cumulative Increase)			Record Keeping P/M		Y	Y
Part 7	Baghouse Inspection Requirement (Basis: Regulation 2-1-403)	Pressure drop between 0.5' – 8' H2O		Inspection P/M		Y	Y
Part 8	Recordkeeping requirement for inspection (Basis: Regulation 1-441)			Record Keeping P/M		Y	Y
Part 9	Source test requirement (Basis: Regulation 1-441)	Initial & once every 5 yrs		Source Test Initial P/5 yrs	Initial & once every 5 yrs	Y	Y
Part 10	Source Test Procedure (Basis: Cumulative Increase)			Source Test P/5 yrs	Initial & once every 5 yrs	Y	Y
BAAQMD Condition #16109							
Part 5	Truck limits (Basis: 2-2-212)	290 hydrated lime trucks per year , 70,000 total cement and hydrated lime <u>and powdered</u>	BAAQMD Condition # 24626 <u>16109</u>	Record Keeping		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-1Q Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-167 Lime Bin abated by A-167 Baghouse, Pulse Jet Dust Collector, S-613 Storage Bin for Lime/soda Ash/Sodium Bicarbonate abated by A-613 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>activated carbon</u> trucks per year	, part 6	P/M			
Part 6	Recordkeeping (Basis: Cumulative Increase)			Record Keeping P/M		Y	Y

Table IV & Table VII- P-2R Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-168 Activated Carbon Storage Silo abated by A-168 Dust Collector S-169 Activated Carbon Feed Bin abated by A-169 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 24899, Parts 1 & 7	Visual Inspection (M22) P/M	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD Condition # 24899, Part 2	Pressure Drop Monitoring P/M	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, 4.0 lb/hr	BAAQMD Condition # 24899, Part 9	Source Test Initial P/once every 5 yrs	Once every 5 yrs	Y	N

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-2R Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-168 Activated Carbon Storage Silo abated by A-168 Dust Collector S-169 Activated Carbon Feed Bin abated by A-169 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD Condition # 24899, Parts 1 & 7	Visual Inspection (M22) P/M	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD Condition # 24899, Part 2	Pressure Drop Monitoring P/M	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD Condition # 24899, Part 9	Source Test Initial P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and ToxicToxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-2R Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-168 Activated Carbon Storage Silo abated by A-168 Dust Collector S-169 Activated Carbon Feed Bin abated by A-169 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
63.13	State/Regional Addresses						Y
63.14	Incorporation by Reference						Y
63.15	Availability of Information						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (7/27/15)						
63.1340(a)	Applicability						Y
63.1340(b)(6) & (7)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-2R Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-168 Activated Carbon Storage Silo abated by A-168 Dust Collector S-169 Activated Carbon Feed Bin abated by A-169 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/M			
63.1347	Operation & Maintenance Plan Requirements	Written operations and maintenance plan	63.1350(f)(3)		Y	Y	Y
63.1348(a)(2)	Initial Compliance Requirements	Opacity Compliance - M(9) 30 6-mins	63.1349(b)(2)	Initial		Y	Y
63.1348(b)(1)(i)	Continuous Monitoring General Requirements	Monitor, collect continuous monitoring data	63.1350 & 63.1350(o)			Y	Y
63.1348(b)(3)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)	M22 P/M			Y
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions	Good Air Pollutant Practice			Y	Y	Y
63.1349(a)	Performance test reports	Test description, method, etc...			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after each performance test		Initial	Y	Y	Y
63.1349(e)	Performance Test Conducted Under Representative Performance Conditions					Y	Y
63.1350(a)	Monitoring Requirements						Y
63.1350(f)	Opacity Monitoring Requirements	M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE			Y	Y	Y
63.1350(f)(1)(i)	Opacity Monitoring Requirement	10-min visible test with M22 of appendix A-7 monthly		M22 P/M		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-2R Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-168 Activated Carbon Storage Silo abated by A-168 Dust Collector S-169 Activated Carbon Feed Bin abated by A-169 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(f)(1)(ii)	Opacity Monitoring Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual; if VE observed during semi-annual, revert to monthly		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitoring Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; if VE observed during semi-annual, revert to monthly		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitoring Requirement	If VE observed during any M22 tests, . conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; subject to O&M Plan requirements		O&M Plan			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 according to (f)(i) – f(iv)		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour as specified in the O&M Plan	63.1347	P/E			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour as specified in the O&M Plan	63.1347	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		Use manometer, check gauge calibration quarterly and		P/Q and P/M			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-2R Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-168 Activated Carbon Storage Silo abated by A-168 Dust Collector S-169 Activated Carbon Feed Bin abated by A-169 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		transducer calibration monthly					
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					<u>Y</u>
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				<u>Y</u>	<u>Y</u>
63.1350(p)	Development and Submittal of Monitoring Plans						<u>Y</u>
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			<u>Y</u>	<u>Y</u>
63.1353(b)(3)	Opacity test notification					<u>Y</u>	<u>Y</u>
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63, Subpart A		<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1354(b)(2)	Opacity observation reporting		63.1349		<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1354(b)(9)	Semiannual reporting	Via Compliance and Emissions Data Reporting Interface (CEDRI)			Once every six months	<u>Y</u>	<u>Y</u>
63.1354(c)	Failure to meet standard	Report must include malfunction			Once every six months	<u>Y</u>	<u>Y</u>
63.1355	Recordkeeping Requirements		40 CFR 63, Subpart A			<u>Y</u>	<u>Y</u>
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					<u>Y</u>
63.1358	Implementation and Enforcement						<u>Y</u>
NSPS 40-CFR, Part 60 Subpart A	General Provisions						
60.7	Notification and Recordkeeping						<u>Y</u>
60.8	Performance Testing Requirements						<u>Y</u>
60.10	State Authority and Delegation						<u>Y</u>
60.11	Compliance with Standards and Maintenance Requirements						<u>Y</u>
60.12	Circumvention						<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-2R Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-168 Activated Carbon Storage Silo abated by A-168 Dust Collector S-169 Activated Carbon Feed Bin abated by A-169 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
60.13	Monitoring Requirements						☒
60.19	Recordkeeping Requirements						☒
NSPS 40 CFR 60 Subpart 900	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a) and (e)	Applicability and Designation of Affected Facilities						☒
60.670(f)	Applicability of Subpart A						☒
60.671	Definitions						☒
60.672(f)	Baghouse that control emission from only an individual enclosed storage bin is exempt from the PM concentration, but must meet the opacity limit	OPACITY <=7%	60.675(c)(2)(i)	Visible Inspection (M9) Initial		☒	☒
60.673	Reconstruction						☒
60.674(e)	Monitoring of operations			Visible Inspection (M22) P/Q		☒	☒
60.675	Test Methods and Procedures			Visible Inspection (M9) Initial		☒	☒
60.676	Reporting and recordkeeping				Initial	☒	☒
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						☒
63.2	Definitions						☒
63.3	Units and Abbreviations						☒
63.4	Prohibited Activities and Circumvention						☒
63.5	Preconstruction review and notification requirements						☒

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- P-2R Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-168 Activated Carbon Storage Silo abated by A-168 Dust Collector S-169 Activated Carbon Feed Bin abated by A-169 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.6	Compliance with Standards and Maintenance Requirements						✗
63.7	Performance Testing Requirements						✗
63.8	Monitoring Requirements						✗
63.9	Notification Requirements						✗
63.10	Recordkeeping and Reporting Requirements						✗
63.12	State Authority and Delegation						✗
BAAQMD Condition #16109							
Part 5	Truck limits (Basis: 2-2-212)	70,000 total cement, hydrated lime and powdered activated carbon trucks per year	BAAQMD Condition # 24626 16109, part 6	Record Keeping P/M		Y	Y
Part 6	Recordkeeping (Basis: Cumulative Increase)			Record Keeping P/M		Y	Y
BAAQMD Condition # 24626							
Part 5	Truck limits (Basis: 2-2-212)	290 hydrated lime trucks, 70,000 total cement, hydrated lime, <u>Soda Ash/sodium Bicarbonate</u> and powdered activated carbon trucks per year	BAAQMD Condition # 24626, part 6	Record Keeping P/M		Y	
<u>Part 6</u>	<u>Recordkeeping (Basis: Cumulative Increase)</u>			<u>Record Keeping</u> <u>P/M</u>		<u>Y</u>	<u>Y</u>
BAAQMD Condition #24899							
Part 1	Ringelmann 1.0 limitation (Basis: BACT, Regulation 6-1, Regulation 1-301)	Ringelmann 1.0 for < 3 min/hr	BAAQMD Condition # 24899, part 2	Pressure Drop Monitoring P/M		Y	Y
Part 2	Abatement with manometer (Basis: 6-1-301, 6-1-310, 6-1-311, Regulation 2-1-403)			Pressure Drop Monitoring			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII P-2R Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-168 Activated Carbon Storage Silo abated by A-168 Dust Collector S-169 Activated Carbon Feed Bin abated by A-169 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/M			
Part 3	Outlet grain loading limit (Basis: Regulation 2-2-212 cumulative increase)	0.0013 gr/dscf	BAAQMD Condition # 24899, part 9	Source Test P/5 yrs	Initial & once every 5 yrs	Y	Y
Part 4	Throughput rate limit (Basis: Regulation 2-2-212 cumulative increase)	52,800,000 tons/yr	BAAQMD Condition # 24899, part 64	Record Keeping P/M	Annual	Y	Y
Part 5	Truck limits (Basis: to avoid cumulative increase of PM10)	100 activated carbon trucks per year, 70,000 total cement, hydrated lime and powdered activated carbon trucks per year	BAAQMD Condition # 24899, part 65	Record Keeping P/M		Y	Y
Part 6	Recordkeeping (Basis: Cumulative Increase)			Record Keeping P/M		Y	Y
Part 7	Baghouse Inspection Requirement (Basis: Regulation 2-1-403)	Pressure drop between 0.5' – 8' H2O		Inspection P/M		Y	Y
Part 8	Recordkeeping requirement for inspection (Basis: Regulation 1-441)			Record Keeping P/M		Y	Y
Part 9	Source test requirement (Basis: Regulation 1-441)	Initial & once every 5 yrs		Source Test Initial P/5 yrs	Initial & once every 5 yrs	Y	Y
Part 10	Source Test Procedure (Basis: Cumulative Increase)			Source Test P/5 yrs	Initial & once every 5 yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII-QU</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector</p> <p align="center">S-172 Precaleaner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 27	Pressure Drop Monitoring P/W	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 23	Visual Inspection (M22) P/D	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM Condition # 24781, Part 27	Pressure Drop Monitoring P/W	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P^{0.67} lb/hr where P is process weight, tonlb/hr	BAAQMD condition # 2786 part B	Annual Source Test P/A	Annual	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM Condition # 24781, Part 27	Pressure Drop Monitoring P/W	Once every six months	Y	Y
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 20753, part 1	Visual Inspection (M22) P/D	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-QU Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector S-172 Precalciner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM Condition #24781, Part 23	Pressure Drop Monitoring PAW	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, tonlb/hr	BAAQMD condition # 2786 part B	Annual Source Test P/A	Annual	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u><20 % opacity for more than 3 minutes in any hour</u>	<u>BAAQMD 6-1-302</u>	<u>BAAQMD Manual of Procedure</u>		Y	N
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		Y	N
<u>9-13-404</u>	<u>Health Risk Assessment (HRA)</u>	<u>HRA before installation of combined stack</u>	<u>Office of Environmental Health Hazard Assessment (OEHA)</u>	<u>Initial</u>		Y	N
<u>9-13-503</u>	<u>Records</u>				Y	Y	N
<u>9-13-609</u>	<u>Determination of Visible Emissions</u>		<u>BAAQMD Manual of Procedure, Volume 1, Part 1</u>	<u>VE</u>	Y	Y	N
<u>BAAQMD Regulation</u>	<u>Standards of Performance</u>						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII-QU</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector</p> <p align="center">S-172 Precalciner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
10	for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 32	Subpart Y. Standards of Performance for Coal Processing Plants (7/18/90)						Y
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants/ Lead (3/17/82)						
11-1-604	Determination of Daily Emission Limits						N
SIP Regulation 11, Rule 1	Hazardous Pollutants/ Lead (6/02/80)						
11-1-301	Daily Limitation	LEAD 15 lb/day	BAAQMD Condition #603, Part 8	Source test A	Once every year	Y	Y
NSPS 40-CFR, Part 60 Subpart A	General Provisions						
60.7	Notification and Recordkeeping						Y
60.8	Performance Testing Requirements						Y
60.10	State Authority and Delegation						Y
60.11	Compliance with Standards and Maintenance Requirements						Y
60.12	Circumvention						Y
60.13	Monitoring Requirements						Y
60.19	Recordkeeping Requirements						Y
NSPS 40-CFR, Part 60 Subpart Y	Standards of Performance for Coal Processing Plants						
60.250	Applicability and Designation of Affected Facility						Y
60.251	Definitions						Y
60.252(e)	Standards for Particulate Matter	OPACITY 20%	BAAQMD eondition #20751,	Pressure Drop Monitoring	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-QU Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector S-172 Precalciner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			part 3b	P/Q			
60.252(e)	Standards for Particulate Matter	OPACITY 20%	BAAQMD condition #20753, part 1	Visual Inspection (M22) P/Q	Once every six months	Y	Y
60.254(b)(2)	Test Methods and Procedures						Y
NESHAP, 40-CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40-CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (2/12/137/27/15)						
63.1340(a)	Applicability						Y
63.1340(b)(1)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40-CFR part 63, subpart A					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - QU Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector S-172 Precaleaner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
<u>63.1343(b)(1)</u>	<u>Opacity during all operating modes</u>	<u>OPACITY</u> <u>10% All operating modes</u>	<u>63.1349(b)(2)</u> <u>63.1350(f)</u>	<u>Visible Emissions (Method 22) P/D Follow up Method 9 (as needed); COMS or BLDS can be used in lieu of daily visible emissions</u>	<u>once every six months</u>	<u>Y</u>	<u>Y</u>
<u>63.1343(d)</u>	<u>Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015</u>						<u>Y</u>
	<u>PM emission limit (NESHAP LLL 6/14/1999)</u>	<u>PM10</u> <u>0.30 lb/ton of feed (dry basis) to kiln</u>	<u>63.1349(e)</u> <u>(NESHAP LLL 6/14/1999)</u>	<u>Source Test (M5)</u> <u>P/every 5 years for PM10</u>	<u>Every 5 years</u>	<u>Y</u>	<u>Y</u>
	<u>Opacity (NESHAP LLL 6/14/1999)</u>	<u>OPACITY</u> <u>< 20%</u>	<u>63.1350(b)(2) and (c)</u> <u>(NESHAP LLL 6/14/1999)</u>	<u>Visual inspection (M9)</u> <u>P/Initial</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
	<u>Opacity (NESHAP LLL 6/14/1999)</u>	<u>OPACITY</u> <u>< 20%</u>	<u>63.1350(a)(4)</u> <u>2</u> <u>(NESHAP LLL 6/14/1999)</u>	<u>Periodic Source Test (M9)</u> <u>P/M reduce to SA or A</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
	<u>D/F (NESHAP LLL 6/14/1999)</u>	<u>8.7E-11 gr/dscf (TEQ) @ 7% oxygen; or</u> <u>1.7E-10 gr/dscf (TEQ) @ 7% oxygen when temperature at inlet < 400°F</u>	<u>63.1349(d)</u> <u>(NESHAP LLL 6/14/1999)</u>	<u>Periodic Source Test (M23)</u> <u>P/Every 30 months</u>	<u>Once every 30 months</u>	<u>Y</u>	<u>Y</u>
	<u>THC emission limit (NESHAP LLL 6/14/1999)</u>	<u>THC</u> <u>20 ppmvd as propane hourly average</u>	<u>63.1349(b)(4)(i)</u> <u>63.1349(e)</u>	<u>Source Test Initial</u>		<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - QU Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector S-172 Precalciner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		50 ppmvd as propane monthly average					
<u>63.1345</u>	<u>Emission Limits</u>	<u>OPACITY</u> <u>10%</u>	63.1349(b)(2); <u>63.1350(f)(1)(i)</u>	<u>Visible Emissions (Method 22)</u> <u>P/D</u> <u>Follow up Method 9 (as needed);</u> <u>COMS or BLDS can be used in lieu of daily visible emissions</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>
<u>63.1347</u>	<u>Operation and Maintenance Plan Requirements</u>	Operation, Maintenance, Corrective Action, Procedure for inspection at least once per year	<u>63.1350(f)(3)</u> <u>2</u>			<u>Y</u>	<u>Y</u>
63.1348(a)(7)(i)	Commingled Exhaust Requirements	Fuel Mill and Kiln exhaust monitoring and testing		<u>CEM</u>		<u>Y</u>	<u>Y</u>
<u>63.1348(b)(1)</u>	<u>Continuous Monitor General Requirements</u>	<u>Monitor, collect CEMs data except during startup and shut down, monitor malfunction and repair, determine hourly clinker production rate</u>	<u>63.1350;</u> <u>63.1350(p);</u>	<u>CEMS</u> <u>P/C</u>		<u>Y</u>	<u>Y</u>
<u>63.1348(b)(3)</u>	<u>Continuous Compliance Requirements</u>	<u>Opacity 10%</u>	63.1350(f)(4)(i) or <u>63.1350(f)(4)(iii)</u>	<u>Visible Emissions (Method 22)</u> <u>P/D</u> <u>Follow up Method 9 (as needed);</u> <u>COMS or</u> <u>Bag Leak Detector System (BLDS) can be used in lieu of daily visible</u>			<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - QU Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector S-172 Precalciner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				<u>emissions</u>			
<u>63.1348(c)</u>	<u>Changes in Operations</u>	<u>Operational changes must not exceed 360 hours</u>	<u>63.1349(b)</u>				<u>Y</u>
<u>63.1348(d)</u>	<u>General Duty to Minimize Emissions</u>						<u>Y</u>
<u>63.1349(a)</u>	<u>Performance Test Requirements</u>	<u>Document all relevant information as required by §63.1349(a)(1) - (10) in performance test results</u>	<u>63.7(e)(2)(i) & 63.1350(n)(1) thru (10)</u>	<u>Initial</u>	<u>Y</u>		<u>Y</u>
<u>63.1349(b)(2)</u>	<u>Opacity Performance Testing Requirements</u>	<u>Opacity M9 of appendix A-4, Part 60 (3 hours - 30.6 mins avg) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		<u>M9</u> <u>Initial</u>		<u>Y</u>	<u>Y</u>
<u>63.1349(b)(2)(i)</u>	<u>Opacity Performance Testing Requirements</u>	<u>If no individual opacity > 10%, M9 can reduce to 1 hr</u>	<u>63.1349(e)</u>	<u>M9</u> <u>Initial</u>		<u>Y</u>	<u>Y</u>
<u>63.1349(b)(2)(ii)</u>	<u>Opacity Performance Testing Requirements</u>	<u>If no more than 3 reading of 10% for the first hour period, M9 can reduce to 1 hr</u>	<u>63.1349(e)</u>	<u>M9</u> <u>Initial/initial</u>		<u>Y</u>	<u>Y</u>
<u>63.1349(c)</u>	<u>Performance Testing Requirement</u>	<u>Performance Test Frequency</u>		<u>P/12 month for PM</u>		<u>Y</u>	<u>Y</u>
<u>63.1349(d)</u>	<u>Performance Test Reporting Requirements</u>	<u>Report electronically within 60 days after performance test</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>63.1349(e)</u>	<u>Condition of Performance Tests</u>	<u>Report electronically within 60 days after performance test</u>				<u>Y</u>	<u>Y</u>
<u>63.1350(a)</u>	<u>Monitoring Requirements</u>						<u>Y</u>
<u>63.1350(i)(2)</u>	<u>Performing Tests on coal mill stack</u>		<u>Appendix A, 40 CFR part 60</u>	<u>M2</u> <u>P/A</u>		<u>Y</u>	<u>Y</u>
<u>63.1350(e)</u>	<u>Alternate Monitoring Requirements Approval</u>	<u>Install, operate, calibrate and maintain instruments</u>				<u>Y</u>	<u>Y</u>
<u>63.1350(p)</u>	<u>Development and Submittal (upon request) of Monitoring Plans</u>	<u>Plan for each continuous monitoring system (CMS)</u>				<u>Y</u>	<u>Y</u>
<u>63.1351</u>	<u>Compliance Dates</u>	<u>Existing sources with the PM, Hg, THC and HCl emissions limits became effective on September 9, 2015</u>				<u>Y</u>	<u>Y</u>
<u>63.1352</u>	<u>Additional Test Methods</u>	<u>HCl and HAP methods</u>	<u>Appendix A</u>	<u>M320 or</u>		<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-QU Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector S-172 Precalciner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			40 CFR Part 60	M18			
<u>63.1353(a)</u>	<u>Notification Requirements of Subpart A</u>						☒
<u>63.1353(b)</u>	<u>Notification requirements</u>						☒
<u>63.1354(a)</u>	<u>Reporting Requirements of Subpart A</u>						☒
<u>63.1354(b)</u>	<u>Reporting Requirements</u>		<u>63.1354(b)(9)(vi)</u>	<u>CEMS</u> <u>P/C</u>	<u>Ave. Hg, THC, PM and HCl— every 6 month</u>	☒	☒
<u>63.1354(c)</u>	<u>Failure to meet Standard</u>	<u>Report must include malfunction</u>			<u>Once every six months</u>	☒	☒
<u>63.1355</u>	<u>Recordkeeping Requirements</u>					☒	☒
<u>63.1356</u>	<u>Source with Multiple Emission Limits or Monitoring Requirements</u>	<u>Affected facility must comply with most stringent emission limit</u>					☒
<u>63.1358</u>	<u>Implementation and Enforcement</u>						☒
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						☒
64.2	Applicability						☒
64.3	Monitoring Design Criteria						☒
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 14 inches water		Pressure Drop Monitoring P/W Visual Inspection (M22) P/D	Once every six months	☒	☒
64.5	Deadlines for submittal						☒
64.6	Approval of Monitoring						☒
64.7	Operation of Approved Monitoring						☒
64.8	Quality Improvement Plan (QIP) requirements						☒
64.9	Reporting and Recordkeeping requirements						☒
64.10	Savings Provisions						☒

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-QU Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector S-172 Precalciner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Condition# 603							
Part 1	Abatement requirement (Basis: Cumulative Increase)						Y
Part 2	Throughput Limits (Basis: Cumulative Increase)	Coal: 29 ton/hr Coke: 20 ton/hr Coal/Coke: 4,960,000 MMBTU/year	BAAQMD Condition # 603-Part 10	Record keeping P/D	Quarterly	Y	Y
Part 5	Hexavalent Chromium emission limit (Basis: Toxics)	1,062.08 lbs per any consecutive 12 month period	BAAQMD Condition # 603-Part 8	Annual Source Test P/A	Once every six months	Y	N
Part 6	Sulfur and Trace Metal Content Analysis of Coke (Basis: Regulation 2-1-403)			Analysis P/E	Quarterly	Y	N
Part 7	Flow Meter requirement (Basis: Regulation 2-6-503)	4 Flow meters at A-141 and A-142; 2 Flow meters at A-171 and A-172	BAAQMD Condition # 603-Part 10	CEM C	Quarterly	Y	Y
Part 8	Annual Source Test for trace metals, benzene, HCl, and THC (Basis: Periodic Monitoring, Regulation 1-502)	Trace metals (Sb, As, Be, Cd, total Cr, Cr ⁶⁺ , Cu, Hg, Mn, Ni, P, Pb, Se, V, Zn), benzene, NH ₃ , Hydrochloric Acid (HCL) and total hydrocarbon (THC), D/F and HAP		Annual Source Test P/A P/every 30 month for D/F and HAP	Annual	Y	N
Part 9	Source Test Procedure (Basis: Source test compliance verification and accuracy)			Source Test P/A	Annual	Y	N
Part 10	Record keeping (Basis: Recordkeeping)			Record keeping P/D	Quarterly Monthly	Y	Y
Part 11	Use Lime Dry/Slurry Injection System to mitigate/maintain HCl Emissions (Basis: Cumulative Increase, NESHAP Subpart LLL, Regulation 9-13)	3 ppmvd HCl @ 7% O ₂ ; or 2.8 tons dry/slurry lime/day	BAAQMD Condition # 603, Part 12	CEM C	Quarterly	Y	Y
Part 12	Install, operate and maintain HCl CEM (Basis: Regulation 2-6-503, NESHAP Subpart LLL, Regulation 9-13)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-QU Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector S-172 Precalciner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
*Part 13	<u>Recordkeeping (Basis: RACT)</u>			<u>CEM</u> €	<u>Quarterly</u>	<u>Y</u>	<u>N</u>
*Part 14	<u>Recordkeeping (basis: H&S Code 44300 et seq.)</u>	<u>Maintain Hg, HCl, THC, PM, Temperature, Opacity and Volumetric Flow at least 5 years</u>		<u>CEM Hg</u> €	<u>Monthly</u>	<u>Y</u>	<u>N</u>
*Part 15	<u>Continuous Emission Monitor requirement (Basis: Regulation 1-522, 1-523, 1-602, Manual of Procedures, Volume V, & S Code 44300 et seq., Regulation 9-13)</u>	<u>Hg, HCl, THC, PM, Opacity and Volumetric Flow CEMS</u>				<u>Y</u>	<u>N</u>
*Part 16	<u>Total Mercury Emission Limits (Basis: Regulation 9-13, H&S Code 44300, Regulation 9-13)</u>	<u>55 lb Hg/million tons clinker; 88 lb Hg/yr (12-month rolling ave.)</u>		<u>CEM</u> €	<u>Monthly</u>	<u>Y</u>	<u>N</u>
*Part 17	<u>Install, Operate & Maintenance CEMs at Activated Carbon Injection System A-156</u>					<u>Y</u>	<u>N</u>
*Part 20	<u>Monitoring Plan (Basis: H&S Code 44300 et seq.)</u>	<u>Hg, NH3, HCl, THC, PM and Volumetric Flow CEMS</u>				<u>Y</u>	<u>N</u>
*Part 21	<u>Total HAP or THC (Basis: NESHAP LLL, Regulation 9-13)</u>	<u>12 ppmv of total organic HAP @ 7% O2 over 30-day rolling average; or 322 ppmv THC @ 7% O2 over 30-day rolling average</u>		<u>CEM THC</u> €	<u>Monthly</u>	<u>Y</u>	<u>N</u>
*Part 22	<u>Dioxins and Furans (D/F) or Temperature. (Basis: NESHAP LLL, Regulation 9-13)</u>	<u>0.2 ng TEQ/dscfm; or 392 degree F (200 degree C)</u>		<u>CEM Temperature</u> €	<u>Monthly</u>	<u>Y</u>	<u>N</u>
Part 24	<u>CEMS results</u>	<u>Reporting Format</u>			<u>Monthly</u>	<u>Y</u>	<u>Y</u>
BAAQMD Condition # 2786							
Part A1	<u>Sulfur dioxide limitation (Basis: Regulation 2-2-212-cumulative increase)</u>	<u>481 lb/hr averaged over 24 calendar day</u>		<u>P/C</u>	<u>Once every 6-months</u>	<u>Y</u>	<u>Y</u>
Part A3	<u>Instack SO2 and NOx monitoring requirement (Basis: Cumulative increase)</u>						<u>Y</u>
Part A4	<u>Sulfur Dioxide Determination (Basis: Regulation 2-2-212</u>						<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII-QU</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector</p> <p align="center">S-172 Precalciner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	eumulative increase)						
Part B	Annual Source Test requirement (Basis: Cumulative Increase, Regulation 1-502)			Source Test P/A	Annual	Y	Y
Part B(2)	PM Limit (Basis: Regulation 2-2-212 Cumulative increase)	PM10 6.6 lb/hr and 0.02 gr/SDCF	BAAQMD condition # 2786-part B	Annual Source Test P/A	Annual	Y	Y
Part C	Test facilities (Basis: Regulation 1-501)						Y
Part D	Production Rates (Basis: Regulation 2-2-212 cumulative increase)	Clinker throughput not to exceed 1.6 million tons/yr	BAAQMD condition # 11780, part E(2)	Log/Record Keeping P/D	Once every six months	Y	Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition #24781	CAM Condition						
Part 23	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart LLL)	M22-Daily		P/D			Y
Part 24	Exceedance and Excursion (40 CFR Part 64.6(e)(2))	<0.5 or >14 inch water					Y
Part 25	Pressure monometer requirement (40 CFR Part 64.6(e)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy <0.5 inch water					Y
Part 26	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 27	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Weekly		P/W			Y
Part 28	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(e)(3), 64.7(d)(2), 64.8)						Y
Part 29	Gauges Calibration (40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 30	Monitor Report (40 CFR Part 64.6(e)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 31	Abatement Device Inspection (40			P/A			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-QU Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-171 Kiln Fuel Mill System abated by A-171 Baghouse, Pulse Jet Dust Collector S-172 Precalciner Fuel Mill System abated by A-172 Baghouse, Pulse Jet Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	CFR 64.6(e)(1)(iii)						
Part 32	Source Test (Regulation 2-1-403)	Annually		P/A		Y	Y
Part 33	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y
Part 23	<u>Install 44 broken bag leadleak detectors (NESHAP 40 CFR Part 63 Subpart LLL, Regulation 9-13)</u>	<u>Ringelemann 1 or 20% opacity</u>		<u>P/C</u>		<u>Y</u>	<u>Y</u>
Part 24	<u>Compliance Assurance Monitoring Plan (40 CFR Part 64.6(e)(2))</u>	<u>Exceedance if > 10 milligram per cubic meter of PM</u> <u>Excursion if exceedance is within 1 minutes of minutes of PM</u>					<u>Y</u>
Part 25	<u>Broken bag detector or CPMS Cycle RrequirementRequirement (40 CFR Part 64.6(e)(1))</u>	<u>One minimum cycle for each successive 15 minutes and minimum of four seecessivesuccessive cycle to have a valid hour data</u>					<u>Y</u>
Part 26	<u>Particulate Matter Concentration Range (40 CFR Part 64.4(a))</u>	<u>Operating concentration range shall be less than 10 milligram per actual cubic meter</u>					<u>Y</u>
Part 27	<u>Alarm System for Broken Bag Leak Detector (40 CFR Part 64.3(b)(4)(iii))</u>	<u>Alarm when exceeding a preset level</u>		<u>P/C</u>		<u>Y</u>	<u>Y</u>
Part 28	<u>DevelopDevelop and Implement a Quality Improvement Plan (QIP) if Exceedance Occurs (40 CFR Part 64.6(e)(3), 64.7(d)(2), 64.8)</u>	<u>Determine the cause and reponseresponse procedure to exceedance or excursion</u>					<u>Y</u>
Part 29	<u>Inspect Broken Bag Leak Detectors (40 CFR Part 64.3(b)(3))</u>	<u>Manufacturer's Specification</u>		<u>P/M</u>			<u>Y</u>
Part 30	<u>Monitor Report (40 CFR Part 64.6(e)(3), 40 CFR Part 64.9(a)(2))</u>	<u>Semi-Annual Report</u>			<u>P/SA</u>		<u>Y</u>
Part 31	<u>Abatement Device Inspection (40 CFR 64.6(e)(1)(iii))</u>	<u>Manufacturer's Recommendation</u>		<u>P/A</u>		<u>Y</u>	<u>Y</u>
Part 32	Source Test (Regulation 2-1-403)	Annually		P/A		Y	Y
Part 33	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- S Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-176 Rock Plant 1 Storage Pile							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- T Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-187 (aka S-387) Hopper and Storage Bin							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf		N			N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ten lb/hr		N			N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf		N			Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ten lb/hr		N			Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and ToxicToxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII~~- T

**Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
 S-187 (aka S-387) Hopper and Storage Bin**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - U Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-201S-609 Primary Crusher <u>abated by A-609 dust Collector</u> S-202S-612 Secondary Crusher <u>abated by A-612 Dust collector</u>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>BAAQMD Condition #805</u>							

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- U Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements <u>S-201S-609 Primary Crusher abated by A-609 dust Collector</u> <u>S-202S-612 Secondary Crusher abated by A-612 Dust collector</u>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 1	<u>Ringelmann 1.0 limitation (Basis: Cumulative Increase, Regulation 6, Regulation 1-301)</u>	<u>OPACITY</u> <u>Ringelmann 1.0 or equivalent to 20% opacity for < 3 min/hr</u>					<u>Y</u>
<u>BAAQMD Condition #24621</u>							
Part 2	<u>Source Test Demonstration</u>	<u>0.0013 gr/dscf</u>		<u>P/every 5 year</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>BAAQMD Condition #25380</u>							
Part 1	<u>Shall abate by Dust Collector</u>						<u>Y</u>
Part 2	<u>Shall equipped Dust Collector with pressure drop device</u>	<u>Check plugging</u>		<u>P/every 3 months</u>			<u>Y</u>
Part 3	<u>Ensure Proper Operation</u>	<u>Pressure drop between 2-6 inches H2O</u>		<u>P/Q</u>			<u>Y</u>
Part 4	<u>Record Keeping</u>					<u>Y</u>	<u>Y</u>
Part 5	<u>Outlet Grain Loading</u>	<u>0.0013 gr/dscf</u>					
Part 6	<u>Rock Throughput</u>	<u>10,133,800 ton/yr;</u> <u>8,736 hours per year</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
Part 8	<u>Initial Source test</u>						<u>Y</u>
Part 9	<u>Source Test Procedure</u>						<u>Y</u>
<u>BAAQMD Regulation 10</u>	<u>Standards of Performance for New Stationary Sources</u>						
Part 1	<u>Subpart A. General Provisions (12/20/95)</u>						<u>Y</u>
Part 66	<u>Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)</u>						<u>Y</u>
<u>NSPS 40 CFR, Part 60 Subpart A</u>	<u>General Provisions</u>						<u>Y</u>
<u>60.2</u>	<u>Definitions</u>						<u>Y</u>
<u>60.7</u>	<u>Notification and Recordkeeping</u>						<u>Y</u>
<u>60.8</u>	<u>Performance Testing Requirements</u>						<u>Y</u>
<u>60.10</u>	<u>State Authority and Delegation</u>						<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII- U~~

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

~~S-201~~**S-609 Primary Crusher abated by A-609 dust Collector**
~~S-202~~**S-612 Secondary Crusher abated by A-612 Dust collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
60.11	Compliance with Standards and Maintenance Requirements						Y
60.12	Circumvention						Y
60.13	Monitoring Requirements						Y
60.19	Recordkeeping Requirements						Y
NSPS 40 CFR 60 Subpart 000	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						
60.670(f)	Applicability of Subpart A						
60.671	Definitions						
60.672(a)	Standard for Particulate Matter	PM_{10} 0.014 gr/dscf	60.8 and 60.675	Test Method (M5 or M17) Initial	Initial	N	
60.673	Reconstruction						Y
60.674	Monitoring of operations						Y
60.675	Test Methods and Procedures						Y
60.676	Reporting and recordkeeping						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII V Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-210 Finish Mill (6-GM-1) abated by A-210 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 779, part 6, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detector Device P/C	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 779, part 6, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detector Device P/C	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, 4.0 lb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY	BAAQMD	Broken Bag	Once every	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII V Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-210 Finish Mill (6-GM-1) abated by A-210 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		Ringelmann 1.0 for < 3 min/hr	condition # 779, part 6, BAAQMD CAM condition # 24781, Part 34	Leak Detector Device P/C	six months		
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 779, part 6, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detector Device P/C	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and ToxicToxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control</u>	<u>Drops Heights, wind break,</u>		<u>Visual</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII V Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-210 Finish Mill (6-GM-1) abated by A-210 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	<u>Measures</u>	<u>enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Inspection (M9)</u>			
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15) (Effective on 11/8/10)						
<u>63.1340(a)</u>	<u>Applicability</u>						<u>Y</u>
63.1340(b)(4)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR part 63, subpart A</u>					Y
63.1343(b)(1)	Opacity (<u>all operating modes</u>)	OPACITY 10%	63.1349(b)(2) 63.1350(f)(2)	<u>Visible Emissions (Method 22) P/D Follow-up</u>	once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII V Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-210 Finish Mill (6-GM-1) abated by A-210 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
)	Method 9 (as needed); COMS or BLDS can be used in lieu of daily visible emissions M9 Initial M22 P/D			
63.1343(ed)	Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015						Y
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1350(m) (NESHAP LLL 6/14/1999) BAAQMD condition # 779, part 6	Broken Bag Leak Detector Device C	Once every six months	Y	Y
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1349(e) (NESHAP LLL 6/14/1999)	Periodic Source Test (M9) P/Every 5 years	Once every six months	Y	Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	Emission Limits	OPACITY 10%	63.1349(b)(2) , 63.1350(f)(1)(i)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed);	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII V Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-210 Finish Mill (6-GM-1) abated by A-210 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				COMS or BLDS can be used in lieu of daily visible emissions			
63.1347	Operation and Maintenance Plan Requirements	Written operations and maintenance plan			<u>Y</u>		Y
63.1348(b)(1)(i)	General Requirements	Monitor, collect CEMS continuous monitoring data	63.1350 & 63.1350(p)			<u>Y</u>	<u>Y</u>
63.1348(b)(3) (ii)	Continuous Compliance Requirements	Opacity 10% BDLS	63.1350(f)(4) (ii)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed) M22BLDS in lieu of VE Daily P/D			Y
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance test reports Requirements	Document all relevant information as required by §63.1349(a)(1)-(10) in performance test results; Test description, method, etc...	63.7(c)(2)(i) 63.1350(n)(1) thru (10)	Initial and subsequent tests	Once every six months	<u>Y</u>	Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 3 hrs (30-6 mins ave. tests) 1 hr if no reading > 10% or no more than 3 reading of 10% for the first 1st hr		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII V Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-210 Finish Mill (6-GM-1) abated by A-210 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				Initial			
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(ed)	<u>Performance Test Reporting Requirements</u> <u>Performance Test Conducted Under Representative Performance</u>	<u>Within 60 days after the initial performance test</u>		<u>Initial</u>	<u>Y</u>	Y	Y
63.1349(e)	Performance Test Conducted Under Representative <u>Performance Conditions</u>					Y	Y
63.1350(f)(2)(i)	Finish Mill Opacity Monitoring	6 mins test		M22 P/D			Y
63.1350(f)(2)(ii)	Finish Mill Opacity Monitoring	If visible observed, conduct M22 test within 24 hrs		M22 P/E			Y
63.1350(f)(2)(iii)	Finish Mill Opacity Monitoring	If visible observed during the follow up M22 test, conduct M9 <u>within 1 hour for 30 min</u>		M9 - 30 mins P/E			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour <u>as specified in the O&M Plan</u>	<u>63.1347</u>	P/E			Y
63.1350(f)(4)	Opacity Monitor	M22 <u>requirements</u> do not apply to source with COMS or Bag Leak Detection System (BLDS)					Y
<u>63.1350(f)(4)(i)</u>	<u>COMS (as applicable)</u>	<u>If relied upon as the compliance option for the opacity requirement, COMS should be installed, maintained, calibrated and operates as required by 40 CFR 63, Subpart A</u>	<u>Appendix B, PS1</u>				<u>Y</u>
63.1350(f)(4)(ii)	Bag Leak Detection System <u>(as applicable)</u>	<u>If relied upon as the compliance option for the opacity requirement, BLDS must meet (m)(1) through (m)(4), (m)(10) and (m)(11)</u>					Y
63.1350(m)(1)	Continuous Parameter Monitoring (CMS) Requirements <u>(as</u>	CMS must complete a minimum of one cycle of operation for					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII V Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-210 Finish Mill (6-GM-1) abated by A-210 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	applicable)	each successive 15 mins period					
63.1350(m)(2)		Conduct all monitoring in continuous operation at all times that the unit is operating					Y
63.1350(m)(3)		Determine the 3-hour block avg. of all recorded readings					Y
63.1350(m)(4)		Record the results of each inspection, calibration, and validation check				Y	Y
63.1350(m)(10)(i)	Bag Leak Detection Monitoring (BLDS) Requirements (as applicable)	Install and operate BLDS for each exhaust stack of the fabric filter					Y
63.1350(m)(10)(ii)		Installed, operated, calibrated and maintenance consistent with the manufacture's specifications and recommendations Guidance EPA-454/R-98-015					Y
63.1350(m)(10)(iii)		Certified by the manufacturer to detect PM emission at concentrations of <10 milligrams per actual cubic meter					Y
63.1350(m)(10)(iv)		BLDS system sensor must provide output of relative or absolute PM loadings					Y
63.1350(m)(10)(v)		BLDS be equipped with a device to continuously record the output signal from the sensor					Y
63.1350(m)(10)(vi)		BLDS with an alarm system and located such that the alert is detected and recognized easily					Y
63.1350(m)(10)(vii)		BLDS must be installed in each baghouse compartment or cell					<u>Y</u>
63.1350(m)(10)(viii)		Alarms Alarms on BLDS must be shared among detectors					<u>Y</u>
63.1350(m)(11)	Cause of Alarm and Corrective Action	Determine cause of alarm within 8 hours, Correction within 24 hours				<u>Y</u>	<u>Y</u>
63.1350(o)	Alternate Monitoring Requirements Approval	Submit Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII V Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-210 Finish Mill (6-GM-1) abated by A-210 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(p)	Development and Submittal (upon request) of Monitoring Plans					Y	Y
63.1351	Compliance Date	Compliance date for opacity is June 14, 2002					Y
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			Y	Y
63.1353(b)(3)	Opacity test n Notification requirements		63. 1349			Y	Y
63.1353(b)(5)	Notification of Compliance Status					Y	Y
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63, Subpart A		Y	Y	Y
63.1354(b)(2)	Opacity observation reporting		63.1349		Y	Y	Y
63.1354(b)(4 9)	Semiannual reporting of O&M and SSM actions consistent with the plans	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI)</u> If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	Semiannual Report <u>Failure to meet standard</u>	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Bag Leak Detector < 10 milligram per actual cubic meter		Continuous parameter monitoring system (CPMS)	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII V Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-210 Finish Mill (6-GM-1) abated by A-210 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition # 779							
Part 1	Abatement Requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 2	Outlet grain loading limitation or hourly PM10 mass rate limitation (Basis: Regulation 2-2-212 Cumulative Increase, BACT)	PM10 0.006 gr/dscf or 0.9 lb/hr					Y
Part 3	Throughput Limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Clinker production not to exceed 1.6 million tons/yr 5000 ton/day import Clinker if kiln is down for more than 45 days in the last 366 days	BAAQMD condition #11780, part E	Record keeping P/D	Once every six months	Y	Y
Part 4	Fugitive Emissions Limitation (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 779, part 6	Broken Bag Leak Detector Device P/C	Once every six months	Y	Y
Part 6	Broken Bag Leak Detection Device (Basis: NESHAPs, Regulation 2-6-503, BAAQMD MOP Volume II, Part 3, §4.7)	70% maximum allowable current limit	BAAQMD condition # 779, part 6	Broken Bag Leak Detector Device P/C	Once every six months	Y	Y
Part 7	<u>Big-Bag</u> Leak Exceedance Reporting Requirement (Basis: Regulation 2-6-501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once	OPACITY		Source Test	Once every	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII V Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-210 Finish Mill (6-GM-1) abated by A-210 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	every five years (Regulation 6-1)	Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		P/once every 5 yrs	5 yrs		
BAAQMD Condition # 24781	CAM Condition						
Part 34	Broken Bag Leak Detector Installation (NESHAP 40 CFR Part 63 Subpart LLL)	Continuous Parametric Monitoring System (CPMS)		P/C			Y
Part 35	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	> 10 milligrams per actual cubic meter					Y
Part 36	Minimum Operating Cycle requirement (40 CFR Part 64.6(c)(1))	Minimum 15 mins period and minimum 4 successive cycle per hour					Y
Part 37	Detection level (40 CFR Part 64.4(a))	Capable of detecting PM < 10 milligrams per actual cubic meter					Y
Part 38	Alarm System Requirement (40 CFR Part 64.3(b)(4)(iii))						Y
Part 39	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 40	BLD Inspection (40 CFR Part 64.3(b)(3), EPA-454/R98-015 Guidance)	Monthly		P/M			Y
Part 41	Monitoring Report (40 CFR 64.6(c)(3), 40 CFR 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 42	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Annually		P/A			Y
Part 43	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5yrs		Y	Y
Part 44	Recordkeeping (Regulation -26-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- W Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-211 Separator (6-SE-2) abated by A-211 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 1545, part 6, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 1545, part 6, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 1545, part	Broken Bag Leak Detection	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- W Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-211 Separator (6-SE-2) abated by A-211 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			6, BAAQMD CAM condition # 24781, Part 34	Device P/C			
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 1545, part 6, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
	<u>Nitrogen Oxides, Particulate Matter, and FeeToxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
NESHAP,	General Provisions (4/20/06)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- W Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-211 Separator (6-SE-2) abated by A-211 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
40 CFR, Part 63 Subpart A							
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (27/1225/135)						
63.1340(a)	Applicability						<u>Y</u>
63.1340(b)(4)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1343(b)(1)	Opacity (all operating modes)	OPACITY 10%	63.1349(b)(2) 63.1350(f)(2)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or BLDS can be used in	once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - W Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-211 Separator (6-SE-2) abated by A-211 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				lieu of daily visible emissions M9 Initial M22 P/D			
63.1343(d)	Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015						Y
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1350(m) (NESHAP LLL 6/14/1999) BAAQMD condition # 779, part 6	Broken Bag Leak Detector Device C	Once every six months	Y	Y
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1349(e) (NESHAP LLL 6/14/1999)	Periodic Source Test (M9) P/Every 5 years	Once every six months	Y	Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	Emission Limits	OPACITY 10%	63.1349(b)(2), 63.1350(f)(1)(i)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or BLDS can be used in lieu of daily visible emissions	Once every six months	Y	Y
63.1347	Operation and Maintenance Plan Requirements						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - W Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-211 Separator (6-SE-2) abated by A-211 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1348(b)(3) (ii)	Continuous Compliance Requirements	Opacity 10% BDLS	63.1350(f)(2) 4(ii)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed) BLD S in lieu of VE Daily M22 P/D			Y
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance Test Requirements test reports	Document all relevant information as required by §63.1349(a)(1)-(10) in performance test results. Test description, method, etc...	63.7(c)(2)(i) 63.1350(n)(1) thru (10)	Initial and subsequent tests	Once every six mons		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 3 hrs (30-6 mins ave. tests) 1 hr if no reading > 10% or no more than 3 reading of 10% for the first 1st hr		Y	Y
63.1349(b)(2) (i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2) (ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(ed)	Performance Test Reporting Requirement Performance Test Conducted Under Representative	Within 60 days after the initial performance test		Initial	Y	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- W Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-211 Separator (6-SE-2) abated by A-211 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	<u>Performance</u>						
63.1349(e)	Performance Test Conducted Under Representative <u>Performance Conditions</u>					Y	Y
63.1350(f)(2)(i)	Finish Mill Opacity Monitoring <u>ing</u>	6 mins test		M22 P/D			Y
63.1350(f)(2)(ii)	Finish Mill Opacity Monitoring <u>ing</u>	If visible observed, conduct M22 test within 24 hrs		M22 P/E			Y
63.1350(f)(2)(iii)	Finish Mill Opacity Monitoring <u>ing</u>	If visible observed during the follow up M22 test, conduct M9 <u>within 1 hour for 30 min</u>		M9 - 30 mins P/E			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour <u>as specified in the O&M Plan</u>		P/E			Y
63.1350(f)(4)	Opacity Monitor	M22 <u>requirements</u> do not apply to source with COMS or Bag Leak Detection System (BLDS)	<u>63.1347</u>				Y
<u>63.1350(f)(4)(i)</u>	<u>COMS (as applicable)</u>	<u>If relied upon as the compliance option for the opacity requirement, COMS should be installed, maintained, calibrated and operates as required by 40 CFR, 63, Subpart A</u>	<u>Appendix B, PS1</u>				<u>Y</u>
63.1350(f)(4)(ii)	Bag Leak Detection System (<u>as applicable</u>)	<u>If relied upon as the compliance option for the opacity requirement, BLDS Must-must meet (m)(1) through (m)(4), (m)(10) and (m)(11)</u>					Y
63.1350(m)(1)	Continuous Parameter Monitoring (CMS) Requirements (<u>as applicable</u>)	CMS must complete a minimum of one cycle of operation for each successive 15 mins period					Y
63.1350(m)(2)		Conduct all monitoring in continuous operation at all times that the unit is operating					Y
63.1350(m)(3)		Determine the 3-hour block avg. of all recorded readings					Y
63.1350(m)(4)		Record the results of each inspection, calibration, and validation check				Y	Y
63.1350(m)(10)(i)	Bag Leak Detection Monitoring (BLDS) Requirements (<u>as applicable</u>)	Install and operate BLDS for each exhaust stack of the fabric filter					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- W Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-211 Separator (6-SE-2) abated by A-211 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(m)(10)(ii)		Installed, operated, calibrated and maintenance consistent with the manufacture's specifications and recommendations Guidance EPA-454/R-98-015					Y
63.1350(m)(10)(iii)		Certified by the manufacturer to detect PM emission at concentrations of <10 milligrams per actual cubic meter					Y
63.1350(m)(10)(iv)		BLDS system sensor must provide output of relative or absolute PM loadings					Y
63.1350(m)(10)(v)		BLDS be equipped with a device to continuously record the output signal from the sensor					
63.1350(m)(10)(vi)		BLDS with an alarm system and located such that the alert is detected and recognized easily					Y
63.1350(m)(10)(vii)		Positive pressure fabric filter systems that do not duct all compartments of cells to a common stack, a BLD system must be installed in each baghouse compartment or cell					Y
63.1350(m)(10)(viii)		Where multiple BLD are required, the systems instrumentation and alarm may be shared among detectors					Y
63.1350(m)(11)	Initial Procedures to determine the cause of every alarm	Determine the cause within 8 hours Correction within 24 hours					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal (upon request) of Monitoring Plans					Y	Y
63.1351	Compliance Dates	Compliance date for opacity is June 14, 2002					Y
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			<u>Y</u>	Y
63.1353(b)(3)	Opacity test n Notification requirements		63.9			<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- W Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-211 Separator (6-SE-2) abated by A-211 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		<u>63.1349</u>		<u>Y</u>		Y
63.1354(b)(4)(2)	Semiannual reporting of O&M and SSM actions consistent with the plans	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures</u>			Once every six months	Y	Y
63.1354(b)(5)	<u>Notification of actions not consistent with O&M and SSM plans</u>	<u>If action during startup, shutdown, or malfunction is NOT consistent with procedures</u>			<u>Within 2 working days</u>	<u>Y</u>	<u>Y</u>
63.1354(c)	<u>Semiannual Report Failure to meet standard</u>	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Bag Leak Detector < 10 milligram per actual cubic meter		Continuous parameter monitoring system (CPMS)	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition #							

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- W Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-211 Separator (6-SE-2) abated by A-211 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
1545							
Part 1	Abatement Requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 2	Hourly PM10 mass rate limitation (Basis: Regulation 2-2-212 Cumulative Increase, BACT)	70% maximum allowable current limit	BAAQMD condition # 1545, part 6	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
Part 2	Hourly PM10 mass rate limitation (Basis: Regulation 2-2-212 Cumulative Increase, BACT)	PM10 0.006 gr/dscf or 3.6 lb/hr of	BAAQMD condition # 1545, part 6	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
Part 3	Throughput Limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Clinker production not to exceed 1.6 million tons/yr	BAAQMD condition #11780 part E	Record keeping P/D	Once every six months	Y	Y
Part 5	Visible PT Limitation (Basis: Regulation 6-1-301, Regulation 1-301, BACT)	Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 1545, part 6	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
Part 6	Broken Bag Leak Detection Device (Basis: NESHAPS, Regulation 2-6-503, BAAQMD MOP Volume II, Part 3, §4.7)	70% maximum allowable current limit					Y
Part 7	Bag Leak Exceedance Reporting Requirement (Basis: Regulation 2-6-501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
BAAQMD Condition #	CAM Condition						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- W Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-211 Separator (6-SE-2) abated by A-211 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
24781							
Part 34	Broken Bag Leak Detector Installation (NESHAP 40 CFR Part 63 Subpart LLL)	Continuous Parametric Monitoring System (CPMS)		P/C			Y
Part 35	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	> 10 milligrams per actual cubic meter					Y
Part 36	Minimum Operating Cycle requirement (40 CFR Part 64.6(c)(1))	Minimum 15 min period and minimum 4 successive cycles per hour					Y
Part 37	Detection level (40 CFR Part 64.4(a))	Capable of detecting PM < 10 milligrams per actual cubic meter					Y
Part 38	Alarm System Requirement (40 CFR Part 64.3(b)(4)(iii))						Y
Part 39	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 40	BLD Inspection (40 CFR Part 64.3(b)(3), EPA-454/R-980015 Guidance)	Monthly		P/M			Y
Part 41	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 42	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))			P/A			Y
Part 43	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5 years		Y	Y
Part 44	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- X Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-216 Clinker Cake Conveyor (6-BC-13) abated by A-216 Dust Collector, S-217 Clinker Cake Conveyor (6-BC-15) abated by A-217 Dust Collector S-221 Clinker Cake Feeder (6-WF-2) abated by A-221 Dust Collector, S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector, S-231 Pressed Cake Bin (6-SS-2) abated by A-231 Dust Collector , S-242 Clinker Cake Feeder (6-WF-3) abated by A-242 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 2-6-503	Monitoring	Hours of Operation	BAAQMD condition # 4996, part 5	Record keeping P/D	Once every six months	Y	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 4996, part 2	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 4996, part 2 BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition #	Pressure Drop	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII~~- X

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-216 Clinker Cake Conveyor (6-BC-13) abated by A-216 Dust Collector,
 S-217 Clinker Cake Conveyor (6-BC-15) abated by A-217 Dust Collector
 S-221 Clinker Cake Feeder (6-WF-2) abated by A-221 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-231 Pressed Cake Bin (6-SS-2) abated by A-231 Dust Collector ,
 S-242 Clinker Cake Feeder (6-WF-3) abated by A-242 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			4996, part 2	Monitoring P/Q			
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 4996, part 2 BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and ToxicToxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
NESHAP, 40 CFR, Part 63	General Provisions (4/20/06)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII~~- X

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-216 Clinker Cake Conveyor (6-BC-13) abated by A-216 Dust Collector,
 S-217 Clinker Cake Conveyor (6-BC-15) abated by A-217 Dust Collector
 S-221 Clinker Cake Feeder (6-WF-2) abated by A-221 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-231 Pressed Cake Bin (6-SS-2) abated by A-231 Dust Collector ,
 S-242 Clinker Cake Feeder (6-WF-3) abated by A-242 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Subpart A							
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15) (Effective on 11/8/10)						
<u>63.1340(a)</u>	<u>Applicability</u>						<u>Y</u>
63.1340(b)(7)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR part 63, subpart A</u>					Y
63.1344	<u>Affirmative Defense for Exceedance of Emissions Limit During Malfunction</u>						<u>Y</u>
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial	<u>Once every six months</u>	<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- X Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-216 Clinker Cake Conveyor (6-BC-13) abated by A-216 Dust Collector, S-217 Clinker Cake Conveyor (6-BC-15) abated by A-217 Dust Collector S-221 Clinker Cake Feeder (6-WF-2) abated by A-221 Dust Collector, S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector, S-231 Pressed Cake Bin (6-SS-2) abated by A-231 Dust Collector , S-242 Clinker Cake Feeder (6-WF-3) abated by A-242 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				M22 P/M			
63.1347	Operation & Maintenance Plan Requirements	<u>Operation, Maintenance, Corrective Action, Procedure for inspection at least once per year</u>	63.1350(f)(3)			Y	Y
63.1347(a)(1)	<u>Procedures for Proper O&M of Affected Source and Air Pollution Control Devices</u>						Y
63.1348(a)(2)	Initial Compliance Requirements	<u>Opacity Compliance - M(9) 30 6-mins Opacity 10%</u>	63.1349(b)(2)	M9 Initial		<u>Y</u>	Y
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect CEMs <u>continuous monitoring</u> data	63.1350 & 63.1350(o)			Y	Y
63.1348(b)(3)(+)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(+)	M22 P/M			Y
63.1348(b)(9)	<u>Startup and Shutdown Compliance</u>	<u>1. Startup injection must be turned on at the time the inlet baghouse temp. reaches 300°F</u> <u>2. Shutdown injection system can be turned off</u> <u>3. Particulate control and all remaining devices that control hazardous air pollutants should be operational during startup and shutdown</u>		<u>P/ Temp measures every minute</u>			<u>Y</u>
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance test reports	Test description, method, etc...			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-216 Clinker Cake Conveyor (6-BC-13) abated by A-216 Dust Collector,
 S-217 Clinker Cake Conveyor (6-BC-15) abated by A-217 Dust Collector
 S-221 Clinker Cake Feeder (6-WF-2) abated by A-221 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-231 Pressed Cake Bin (6-SS-2) abated by A-231 Dust Collector ,
 S-242 Clinker Cake Feeder (6-WF-3) abated by A-242 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test		<u>Initial</u>	<u>Initial</u> Y	Y	Y
63.1349(e)	Performance Test Conducted Under Representative <u>Performance Conditions</u>					Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
<u>63.1350(f)</u>	<u>Opacity Monitoring Requirements</u>	<u>M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)(1)(i)	Opacity Monitor Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M		<u>Y</u>	Y
63.1350(f)(1)(ii)	Opacity Monitor Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitor Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitor Requirement	If <u>visible-VE</u> observed during any M22 tests, conduct <u>30-min, recorded at 15-second interval using M9, must begin within 1</u>		M22, then M9 within 1 hr			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- X Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-216 Clinker Cake Conveyor (6-BC-13) abated by A-216 Dust Collector, S-217 Clinker Cake Conveyor (6-BC-15) abated by A-217 Dust Collector S-221 Clinker Cake Feeder (6-WF-2) abated by A-221 Dust Collector, S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector, S-231 Pressed Cake Bin (6-SS-2) abated by A-231 Dust Collector , S-242 Clinker Cake Feeder (6-WF-3) abated by A-242 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		hr of VE 5-6 mins of M9 within 1 hour		P/E			
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point: <u>subject to O&M Plan requirements</u>		<u>O&M Plan</u>			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 <u>according to (f)(i) – f(iv) for at least 10 mins</u>		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour <u>as specified in the O&M Plan</u>	<u>63.1347</u>	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		<u>Useing a manometer, c</u> Check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-216 Clinker Cake Conveyor (6-BC-13) abated by A-216 Dust Collector,
 S-217 Clinker Cake Conveyor (6-BC-15) abated by A-217 Dust Collector
 S-221 Clinker Cake Feeder (6-WF-2) abated by A-221 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-231 Pressed Cake Bin (6-SS-2) abated by A-231 Dust Collector ,
 S-242 Clinker Cake Feeder (6-WF-3) abated by A-242 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		requirements					
63.1350(p)	Development and Submittal of Monitoring Plans						Y
63.1351	Compliance date June 14, 2002						Y
63.1353(a)	Notification Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		<u>63,1349</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(49)	Semiannual reporting of O&M and SSM actions consistent with the plans	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures</u>			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	<u>Semiannual Report Failure to meet standard</u>	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
BAAQMD Condition # 4995							
Part 7	Combined natural and synthetic gypsum throughput for S-222, S-223, S-243 and S-246	84,210 tons in any consecutive 12-month period	BAAQMD condition # 4995, part 6			Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- X Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-216 Clinker Cake Conveyor (6-BC-13) abated by A-216 Dust Collector, S-217 Clinker Cake Conveyor (6-BC-15) abated by A-217 Dust Collector S-221 Clinker Cake Feeder (6-WF-2) abated by A-221 Dust Collector, S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector, S-231 Pressed Cake Bin (6-SS-2) abated by A-231 Dust Collector , S-242 Clinker Cake Feeder (6-WF-3) abated by A-242 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 8	Synthetic gypsum throughput for S-222, S-223, S-243 and S-246	15,000 tons in any consecutive 12-month period	BAAQMD condition # 4995, part 6			Y	Y
BAAQMD Condition # 4996							
Part 1	Visible Particulates requirement (Basis: Regulation 1-301, BACT)	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 4996, part 2 BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Outlet grain loading for A-217 and A-231 (Basis: Regulation 2-2-301.1 BACT)	PM10 0.006 gr/dscf	BAAQMD condition # 24621, part 2	Source Test P/Every 5 yrs	Once every 5 yrs	Y	Y
Part 4	Outlet grain loading for A-216, A-221 and S-242 (Basis: Regulation 2-2-301.1 BACT)	PM10 0.0013 gr/dscf	BAAQMD condition # 24621, part 2	Source Test P/Every 5 yrs	Once every 5 yrs	Y	Y
Part 5	Startup Source test Requirement (Basis: Regulation 2-1-403)						Y
Part 6	Record keeping requirement (Basis: Cumulative Increase)						Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
Part 2	Baghouse Pressure Drop Limit (Regulation 2-6-503)	Operating pressure drop range (0 to 10 inch water)	BAAQMD condition # 4996, part 2 BAAQMD	Pressure Drop Monitoring	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- X Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-216 Clinker Cake Conveyor (6-BC-13) abated by A-216 Dust Collector, S-217 Clinker Cake Conveyor (6-BC-15) abated by A-217 Dust Collector S-221 Clinker Cake Feeder (6-WF-2) abated by A-221 Dust Collector, S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector, S-231 Pressed Cake Bin (6-SS-2) abated by A-231 Dust Collector , S-242 Clinker Cake Feeder (6-WF-3) abated by A-242 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			condition # 20751, part 3b	P/Q			
Part 3b	Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)						Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)						Y
Part 5	Annual Inspection (Regulation 2-6-503)						Y
Part 6	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Y Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-218 Air Separator (6-SE-1) abated by A-218 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 4997, part 9, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 4997, part 9, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 4997, part	Broken Bag Leak Detection	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Y Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-218 Air Separator (6-SE-1) abated by A-218 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			9, BAAQMD CAM condition # 24781, Part 34	Device P/C			
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 4997, part 9 BAAQMD CAM condition # 24781, Part 34,	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
NESHAP,	General Provisions (4/20/06)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Y Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-218 Air Separator (6-SE-1) abated by A-218 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
40 CFR, Part 63 Subpart A							
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
<u>63.1340(a)</u>	<u>Applicability</u>						<u>Y</u>
63.1340(b)(4)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR part 63, subpart A</u>					Y
63.1343(b)(1)	Opacity <u>(all operating modes)</u>	OPACITY 10%	63.1349(b) (2) 63.1350 <u>(f)(2)</u>	<u>Visible Emissions (Method 22)</u> <u>P/D Follow-up Method 9 (as needed);</u> <u>COMS or BLDS can be used in</u>	once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - Y Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-218 Air Separator (6-SE-1) abated by A-218 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				lieu of daily visible emissionsM9 Initial M22 P/D			
63.1343(d)	Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015						Y
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1350(m) (NESHAP LLL 6/14/1999) BAAQMD condition # 779, part 6	Broken Bag Leak Detector Device C	Once every six months	Y	Y
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1349(e) (NESHAP LLL 6/14/1999)	Periodic Source Test (M9) P/Every 5 years	Once every six months	Y	Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1347	Operation & Maintenance Plan Requirements					Y	Y
63.1347	Operation and Maintenance Plan Requirements						Y
63.1348(b)(3)(ii)	Continuous Compliance Requirements	Opacity 10% BLDS	63.1350(f) (42)(ii)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed)BLD S in lieu of VE DailyM22			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - Y Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-218 Air Separator (6-SE-1) abated by A-218 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/D			
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance Test Requirements reports	<u>Document all relevant information as required by §63.1349(a)(1)-(10) in performance test results: Test description, method, etc...</u>	63.7(c)(2)(i) 63.1350(n)(1) thru (10)	<u>Initial and subsequent tests</u>	<u>Once every six months</u>		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 3 hrs (30 6 mins ave. tests) 1 hr if no reading > 10% or no more than 3 reading of 10% for the first 1st hr Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(ed)	<u>Performance Test Reporting Requirement</u> Performance Test conducted under representative performance	<u>Within 60 days after the initial performance test</u>		<u>Initial</u>	<u>Y</u>	Y	Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point					Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(2)(i)	Raw Mill Opacity Monitoring	6 mins test		M22 P/D			Y
63.1350(f)(2)(ii)	Raw Mill Opacity Monitoring	If visible observed, conduct M22 test within 24 hrs		M22			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Y Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-218 Air Separator (6-SE-1) abated by A-218 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/E			
63.1350(f)(2)(iii)	Raw Mill Opacity Monitoring	If visible observed during the follow up M22 test, conduct M9 within 1 hour for 30 min		M9 - 30 mins P/E			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour as specified in the O&M Plan		P/E			Y
63.1350(f)(4)	Opacity Monitor	M22 requirements do not apply to source with COMS or Bag Leak Detection System (BLDS)	63.1347				Y
63.1350(f)(4)(i)	COMS (as applicable)	If relied upon as the compliance option for the opacity requirement, COMS should be installed, maintained, calibrated and operates as required by 40 CFR 63, Subpart A	Appendix B, PS1				Y
63.1350(f)(4)(i)	Bag Leak Detection System (as applicable)	If relied upon as the compliance option for the opacity requirement, BLDS must meet (m)(1) through (m)(4), (m)(10) and (m)(11)					Y
63.1350(m)(1)	Continuous Parameter Monitoring (CMS) Requirements (as applicable)	CMS must complete a minimum of one cycle of operation for each successive 15 mins period					Y
63.1350(m)(2)		Conduct all monitoring in continuous operation at all times that the unit is operating					Y
63.1350(m)(3)		Determine the 3-hour block avg. of all recorded readings					Y
63.1350(m)(4)		Record the results of each inspection, calibration, and validation check				Y	Y
63.1350(m)(10)(i)	Bag Leak Detection Monitoring (BLDS) Requirements (as applicable)	Install and operate BLDS for each exhaust stack of the fabric filter					Y
63.1350(m)(10)(ii)		Installed, operated, calibrated and maintenance consistent with the manufacture's specifications and recommendations Guidance EPA-454/R-98-015					Y
63.1350(m)(10)(iii)		Certified by the manufacturer to detect PM emission at concentrations of <10 milligrams per actual cubic					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Y Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-218 Air Separator (6-SE-1) abated by A-218 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		meter					
63.1350(m)(10)(iv)		BLDS system sensor must provide output of relative or absolute PM loadings					Y
63.1350(m)(10)(v)		BLDS be equipped with a device to continuously record the output signal from the sensor					
63.1350(m)(10)(vi)		BLDS with an alarm system and located such that the alert is detected and recognized easily					Y
63.1350(m)(10)(vii)		Positive pressure fabric filter systems that do not duct all compartments of cells to a common stack, a BLD system must be installed in each baghouse compartment or cell					Y
63.1350(m)(10)(viii)		Where multiple BLD are required, the systems instrumentation and alarm may be shared among detectors					Y
63.1350(m)(11)	Initial Procedures to determine the cause of every alarm	Determine the cause within 8 hours Correction within 24 hours					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal (upon request) of Monitoring Plans					Y	Y
63.1351	Compliance Dates	Compliance date for opacity is June 14, 2002					Y
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			Y	Y
63.1353(b)(3)	Opacity test n Notification requirements		63.9			Y	Y
63.1353(b)(5)	Notification of Compliance Status					Y	Y
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63, Subpart A		Y	Y	Y
63.1354(b)(2)	Opacity observation reporting		63.1349		Y	Y	Y
63.1354(b)(4)	Semiannual reporting of O&M and SSM actions consistent with the plans	Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is			Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - Y Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-218 Air Separator (6-SE-1) abated by A-218 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		consistent with procedures					
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Bag Leak Detector < 10 milligram per actual cubic meter		Continuous parameter monitoring system (CPMS)	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition # 4997							
Part 1	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						
Part 2	Visible emissions (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 4997, part 9	Broken Bag Leak Detection Device	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Y Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-218 Air Separator (6-SE-1) abated by A-218 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/C			
Part 3	Outlet grain loading limitation (Basis: Regulation 2-2-301.1 BACT)	PM10 0.006 gr/dscf	BAAQMD condition # 4997, part 9	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
Part 5	Throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Clinker production not to exceed 1.6 million tons/yr	BAAQMD condition # 4997, part 7	Record keeping P/D	Once every six months	Y	Y
Part 7	Record keeping (Basis: Cumulative Increase)	Hours of Operation	BAAQMD condition # 4997, part 7	Record keeping P/D	Once every six months	Y	Y
Part 9	Broken Bag Leak Detection Device (Basis: NESHAPS, Regulation 2-6-503, BAAQMD MOP Vol II, Part 3, § 4.7)	70% maximum allowable current limit	BAAQMD condition # 4997, part 9	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
Part 10	Bag Leak Exceedance Reporting Requirement (Basis: Regulation 2-6-501)						
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
BAAQMD Condition # 24781	CAM Condition						
Part 34	Broken Bag Leak Detector Installation (NESHAP 40 CFR Part 63 Subpart LLL)	Continuous Parametric Monitoring System (CPMS)		P/C			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Y Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-218 Air Separator (6-SE-1) abated by A-218 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 35	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	> 10 milligrams per actual cubic meter					Y
Part 36	Minimum Operating Cycle requirement (40 CFR Part 64.6(c)(1))	Minimum 15 min period and minimum 4 successive cycles per hour					Y
Part 37	Detection level (40 CFR Part 64.4(a))	Capable of detecting PM < 10 milligrams per actual cubic meter					Y
Part 38	Alarm System Requirement (40 CFR Part 64.3(b)(4)(iii))						Y
Part 39	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 40	BLD Inspection (40 CFR Part 64.3(b)(3), EPA-454/R-980015 Guidance)	Monthly		P/M			Y
Part 41	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 42	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))			P/A			Y
Part 43	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5 years		Y	Y
Part 44	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Z Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-220 Finish Mill (6-GM-2) abated by A-220 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 4998, part 9, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 4998, part 9, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 4998, part	Broken Bag Leak Detection	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Z Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-220 Finish Mill (6-GM-2) abated by A-220 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			9, BAAQMD CAM condition # 24781, Part 34	Device P/C			
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 4998, part 9, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
NESHAP,	General Provisions (4/20/06)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Z Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-220 Finish Mill (6-GM-2) abated by A-220 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
40 CFR, Part 63 Subpart A							
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
<u>63.1340(a)</u>	<u>Applicability</u>						<u>Y</u>
63.1340(b)(4)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR part 63, subpart A</u>					Y
63.1343(b)(1)	Opacity (<u>all operating modes</u>)	OPACITY 10%	63.1349(b)(2) 63.1350(f)(2)	<u>Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or BLDS can be used in</u>	once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Z Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-220 Finish Mill (6-GM-2) abated by A-220 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				lieu of daily visible emissions M9 Initial M22 P/D			
63.1343(ed)	Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015						☒
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1350(m) (NESHAP LLL 6/14/1999) BAAQMD condition # 4998, part 9	Broken Bag Leak Detector Device ☐	Once every six months	☒	☒
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1349(e) (NESHAP LLL 6/14/1999)	Periodic Source Test (M9) P/Every 5 years	Once every six months	☒	☒
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						☒
63.1345	Emission Limits	OPACITY 10%	63.1349(b)(2), 63.1350(f)(1)(i)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or BLDS can be used in lieu of daily visible emissions	Once every six months	☒	☒
63.1347	Operation & Maintenance Plan Requirements	Written operations and maintenance plan				☒	☒

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Z Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-220 Finish Mill (6-GM-2) abated by A-220 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1348(b)(1)(i)	General Requirements	Monitor, collect continuous monitoring data	63.1350 & 63.1350(p)			<u>Y</u>	<u>Y</u>
63.1348(b)(3)(i)	Continuous Compliance Requirements	Opacity 10% BLDS	63.1350(f)(4)(ii)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed) BLD S in lieu of VE Daily M22 P/D			Y
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance Test Requirements reports	Document all relevant information as required by §63.1349(a)(1)-(10) in performance test results Test description, method, etc...	63.7(c)(2)(i) 63.1350(n)(1) thru (10)	Initial and subsequent tests	Once every six months		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 3 hrs (30 6 mins ave. tests) 1 hr if no reading → 10% or no more than 3 reading of 10% for the first 1st hr Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(ed)	Performance Test conducted under	Within 60 days after the initial		Initial	<u>Y</u>	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Z Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-220 Finish Mill (6-GM-2) abated by A-220 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	representative performance <u>Reporting Requirement</u>	<u>performance test</u>					
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point					Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(2)(i)	Raw Mill Opacity Monitoring	6 mins test		M22 P/D			Y
63.1350(f)(2)(ii)	Raw Mill Opacity Monitoring	If visible observed, conduct M22 test within 24 hrs		M22 P/E			Y
63.1350(f)(2)(iii)	Raw Mill Opacity Monitoring	If visible observed during the follow up M22 test, conduct M9 <u>within 1 hour for 30 min</u>		M9 - 30 mins P/E			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour <u>as specified in the O&M Plan</u>	<u>63.1347</u>	P/E			Y
63.1350(f)(4)	Opacity Monitor	M22 <u>requirements</u> do not apply to source with COMS or Bag Leak Detection System (BLDS)					Y
<u>63.1350(f)(4)(i)</u>	<u>COMS (as applicable)</u>	<u>If relied upon as the compliance option for the opacity requirement, COMS should be installed, maintained, calibrated and operates as required by 40 CFR, 63, Subpart A</u>	<u>Appendix B, PS1</u>				<u>Y</u>
63.1350(f)(4)(i)	Bag Leak Detection System <u>(as applicable)</u>	<u>If relied upon as the compliance option for the opacity requirement, BLDS Must must meet (m)(1) through (m)(4), (m)(10) and (m)(11)</u>					Y
63.1350(m)(1)	Continuous Parameter Monitoring (CMS) Requirements <u>(as applicable)</u>	CMS must complete a minimum of one cycle of operation for each successive 15 mins period					Y
63.1350(m)(2)		Conduct all monitoring in continuous operation at all times that the unit is operating					Y
63.1350(m)(3)		Determine the 3-hour block avg. of all recorded readings					Y
63.1350(m)		Record the results of each				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Z Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-220 Finish Mill (6-GM-2) abated by A-220 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
(4)		inspection, calibration, and validation check					
63.1350(m)(10)(i)	Bag Leak Detection Monitoring (BLDS) Requirements <u>(as applicable)</u>	Install and operate BLDS for each exhaust stack of the fabric filter					Y
63.1350(m)(10)(ii)		Installed, operated, calibrated and maintenance consistent with the manufacture's specifications and recommendations <u>Guidance EPA-454/R-98-015</u>					Y
63.1350(m)(10)(iii)		Certified by the manufacturer to detect PM emission at concentrations of <10 milligrams per actual cubic meter					Y
63.1350(m)(10)(iv)		BLDS system sensor must provide output of relative or absolute PM loadings					Y
63.1350(m)(10)(v)		BLDS be equipped with a device to continuously record the output signal from the sensor					
63.1350(m)(10)(vi)		BLDS with an alarm system and located such that the alert is detected and recognized easily					Y
63.1350(m)(10)(vii)		Positive pressure fabric filter systems that do not duct all compartments of cells to a common stack, a BLD system must be installed in each baghouse compartment or cell					Y
63.1350(m)(10)(viii)		Where multiple BLD are required, the systems instrumentation and alarm may be shared among detectors					Y
63.1350(m)(11)	<u>Cause of Alarm and Corrective Action Initial Procedures to determine the cause of every alarm</u>	Determine the cause within 8 hours, Correction within 24 hours					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal (upon request) of Monitoring Plans					Y	Y
63.1351	<u>Compliance Dates</u>	<u>Compliance date for opacity is</u>					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Z Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-220 Finish Mill (6-GM-2) abated by A-220 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		June 14, 2002					
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			<u>Y</u>	Y
63.1353(b)(3)	Opacity test and Notification requirements		63.9			<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63, Subpart A		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		63.1349		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(49)	Semiannual reporting of O&M and SSM actions consistent with the plans	Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Bag Leak Detector < 10 milligram per actual cubic meter		Continuous parameter monitoring system (CPMS)	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Z Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-220 Finish Mill (6-GM-2) abated by A-220 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition # 4998							
Part 1	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 2	Visible emissions (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 4998, part 9	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
Part 3	Outlet grain loading limitation (Basis: Regulation 2-2-301.1 BACT)	PM10 0.006 gr/dscf	BAAQMD condition # 4998, part 9	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
Part 5	Throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Import 5,000 tons for each day the kiln is down in excess of 45 days	BAAQMD condition # 4998, part 7	Log/ Hours of Operation P/D	Once every six months	Y	Y
Part 5	Throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Clinker production not to exceed 1.6 million tons/yr	BAAQMD condition # 4998, part 7	Record keeping P/D	Once every six months	Y	Y
Part 7	Record keeping (Basis: Cumulative Increase)						Y
Part 9	Broken Bag Leak Detection Device (Basis: NESHAPS, Regulation 2-6-503, BAAQMD MOP Vol II, Part 3, § 4.7)	70% maximum allowable current limit	BAAQMD condition # 4998, part 9	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
Part 10	Bag Leak Exceedance Reporting Requirement (Basis: Regulation 2-6-501)						Y
BAAQMD Condition # 24621							

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- Z Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-220 Finish Mill (6-GM-2) abated by A-220 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, <u>lb/hr</u>		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
BAAQMD Condition # 24781	CAM Condition						
Part 34	Broken Bag Leak Detector Installation (NESHAP 40 CFR Part 63 Subpart LLL)	Continuous Parametric Monitoring System (CPMS)		P/C			Y
Part 35	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	> 10 milligrams per actual cubic meter					Y
Part 36	Minimum Operating Cycle requirement (40 CFR Part 64.6(c)(1))	Minimum 15 min period and minimum 4 successive cycles per hour					Y
Part 37	Detection level (40 CFR Part 64.4(a))	Capable of detecting PM < 10 milligrams per actual cubic meter					Y
Part 38	Alarm System Requirement (40 CFR Part 64.3(b)(4)(iii))						Y
Part 39	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 40	BLD Inspection (40 CFR Part 64.3(b)(3), EPA-454/R-980015 Guidance)	Monthly		P/M			Y
Part 41	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 42	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))			P/A			Y
Part 43	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5 years		Y	Y
Part 44	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-240 Additive Conveyor/bins abated by A-240 Dust Collector,
 S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector,
 S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector,
 S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector,
 S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 4995, part 2 BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 20753, part 1	Visual Inspection (M22) P/Q	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 4995, part 2 BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD condition # 24621, part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and						N

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-240 Additive Conveyor/bins abated by A-240 Dust Collector,
 S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector,
 S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector,
 S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector,
 S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Appraisal of Visible Emissions						
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 4995, part 2 BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 20753, part 1	Visual Inspection (M22) P/Q	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 4995, part 2 BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD condition # 24621, part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-240 Additive Conveyor/bins abated by A-240 Dust Collector,
 S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector,
 S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector,
 S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector,
 S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>BAAQMD Regulation 10</u>	<u>Standards of Performance for New Stationary Sources</u>						
<u>Part 1</u>	<u>Subpart A- General Provisions (12/20/95)</u>						<u>Y</u>
<u>Part 66</u>	<u>Subpart 000- Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)</u>						<u>Y</u>
<u>NSPS 40-CFR, Part 60 Subpart A</u>	<u>General Provisions</u>						<u>Y</u>
<u>60.2</u>	<u>Definitions</u>						<u>Y</u>
<u>60.7</u>	<u>Notification and Recordkeeping</u>						<u>Y</u>
<u>60.8</u>	<u>Performance Testing Requirements</u>						<u>Y</u>
<u>60.10</u>	<u>State Authority and Delegation</u>						<u>Y</u>
<u>60.11</u>	<u>Compliance with Standards and Maintenance Requirements</u>						<u>Y</u>
<u>60.12</u>	<u>Circumvention</u>						<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-240 Additive Conveyor/bins abated by A-240 Dust Collector,
 S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector,
 S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector,
 S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector,
 S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
60.13	Monitoring Requirements						<input checked="" type="checkbox"/>
60.19	Recordkeeping Requirements						<input checked="" type="checkbox"/>
NSPS 40 CFR 60 Subpart 900	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						
60.670(f)	Applicability of Subpart A						
60.671	Definitions						
60.672(a)	Standard for Particulate Matter	PM10 0.022 gr/dscf	60.8 and 60.675	Test Method (M5 or M17) Initial	Initial	<input checked="" type="checkbox"/>	
60.672(a)	Standard for Particulate Matter with Capture System	OPACITY <7%	60.8 and 60.675	Visible Inspection (M9) Initial	Initial	<input checked="" type="checkbox"/>	
60.672(b)	Standard for Particulate Matter without Capture System	OPACITY <10%	60.11 and 60.675	Visible Inspection (M9) Initial	Initial	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
60.673	Reconstruction						<input checked="" type="checkbox"/>
60.674	Monitoring of operations						<input checked="" type="checkbox"/>
60.675	Test Methods and Procedures						<input checked="" type="checkbox"/>
60.676	Reporting and recordkeeping						<input checked="" type="checkbox"/>
NESHAP, 40 CFR, Part 63	General Provisions (4/20/06)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-240 Additive Conveyor/bins abated by A-240 Dust Collector,
 S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector,
 S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector,
 S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector,
 S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Subpart A							
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
63.1340(b)(7)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General						Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial	Once every six months		Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-240 Additive Conveyor/bins abated by A-240 Dust Collector,
 S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector,
 S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector,
 S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector,
 S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				M22 P/M			
63.1347	Operation & Maintenance Plan Requirements	Operation, Maintenance, Corrective Action, Procedure for inspection at least once per year	63.1350(f)(3)			Y	Y
63.1347(a)(1)	Procedures for Proper O&M of Affected Source and Air Pollution Control Devices						Y
63.1348(a)(2)	Initial Compliance Requirements	Opacity Compliance - M(9) 30 6-mins Opacity 10%	63.1349(b)(2)	M9 Initial		<u>Y</u>	Y
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect CEMS continuous monitoring data	63.1350 & 63.1350(o)			Y	Y
63.1348(b)(3) (i)	Continuous Compliance Requirements	Opacity 10%	63.1350(f) (i)	M22 P/M			Y
63.1348(b)(9)	Startup and Shutdown Compliance	Particulate control and all remaining devices that control hazardous air pollutants should be operational during startup and shutdown					<u>Y</u>
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance test reports	Test description, method, etc...			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)	Opacity Performance Testing	If no more than 3 reading of	63.1349(c)	M9		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-240 Additive Conveyor/bins abated by A-240 Dust Collector,
 S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector,
 S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector,
 S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector,
 S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
(ii)	Requirements	10% for the first-hour period, M9 can reduce to 1 hr		Initial			
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test		Initial	Initial <u>Y</u>	Y	Y
63.1349(e)	Performance Test Conducted Under Representative Performance Conditions					Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
63.1350(f)	Opacity Monitoring Requirements	M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)(1)(i)	Opacity Monitor Requirement	10-min visible test with M22 of appendix A-7 monthly		M22 P/M			Y
63.1350(f)(1)(ii)	Opacity Monitor Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual; if VE observed during semi-annual, revert to monthly		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitor Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; if VE observed during semi-annual, revert to monthly		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitor Requirement	If visible observed during any M22 tests, conduct 5 6-mins of M9 within 1 hour		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)	Enclosed Opacity Monitor	M22 requirements do not apply					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

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Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-240 Additive Conveyor/bins abated by A-240 Dust Collector,
 S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector,
 S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector,
 S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector,
 S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
(v)	Requirement	to enclosed conveying system transfer point					
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 according to (f)(i) – f(iv) for at least 10 mins		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour		P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		Use manometer. Check-check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer’s specified maximum pressure range or install a new pressure sensor					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal of Monitoring Plans						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII~~- AA

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-240 Additive Conveyor/bins abated by A-240 Dust Collector,
 S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector,
 S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector,
 S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector,
 S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1351	Compliance date June 14, 2002						Y
63.1353(a)	Notification Requirements of Subpart A						Y
63.1353(b)(3)	Opacity test n Notification requirements		63.9				Y
63.1353(b)(5)	Notification of Compliance Status						Y
63.1354(a)	Reporting Requirements of Subpart A						Y
63.1354(b)(2)	Opacity observation reporting						Y
63.1354(b)(4) (9)	Semiannual reporting of O&M and SSM actions consistent with the plans	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI)</u> If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
BAAQMD Condition # 4995							
Part 1	Visible Particulates requirement (Basis: Regulation 1-301, Regulation 6-1-301, BACT)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 4995, part 2 BAAQMD condition	Pressure Drop Monitoring P/Q	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII~~- AA

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

**S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector,
 S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector,
 S-240 Additive Conveyor/bins abated by A-240 Dust Collector,
 S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector,
 S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector,
 S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector,
 S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector**

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			# 20751, part 3b				
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Outlet grain loading (Basis: Regulation 2-2-301.1 BACT)	PM10 0.0013 gr/dscf	BAAQMD condition # 4995, part 2 BAAQMD condition # 24621, part 2	Source Test P/Every 5 yrs	Once every 5 yrs	Y	Y
Part 6	Record keeping requirement (Basis: Cumulative Increase)						Y
Part 7	Combined natural and synthetic gypsum throughput for S-222, S-223, S-243 and S-246	84,210 tons in any consecutive 12-month period	BAAQMD condition # 4995, part 6			Y	Y
Part 8	Synthetic gypsum throughput for S-222, S-223, S-243 and S-246	15,000 tons in any consecutive 12-month period	BAAQMD condition # 4995, part 6			Y	Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
Part 2	Baghouse Pressure Drop Limit (Regulation 2-6-503)	Operating pressure drop range (0 to 10 inch water)	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 3b	Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)						Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II,						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- AA Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-222 Gypsum feeder (6-WF-4) abated by A-222 Dust Collector, S-223 Synthetic Gypsum Feeder (6-WF-12) abated by A-221 Dust Collector, S-240 Additive Conveyor/bins abated by A-240 Dust Collector, S-243 6-GM-1 Gypsum Feeder (6-WF-9) abated by A-243 Dust Collector, S-244 Pozzolan Feeder (6-WF-7) abated by A-244 Dust Collector, S-245 6-GM-1 Clay Feeder (6-WF-59) abated by A-245 Dust Collector, S-246 Synthetic Gypsum Feeder (6-WF-11) abated by A-243 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Part 3, §4.7)						
Part 5	Annual Inspection (Regulation 2-6-503)						Y
Part 6	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition #20753							
Part 1	Quarterly EPA Method 22 Visible Emission Monitoring for A-11 through A-15 (Regulation 2-6-503)						Y
Part 3	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- BB							
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-230 Hydraulic Roller Press (6-RP-1) abated by A-230 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 4999, part 9, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 4999, part 9, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 4999, part	Broken Bag Leak Detection	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- BB Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-230 Hydraulic Roller Press (6-RP-1) abated by A-230 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			9, BAAQMD CAM condition # 24781, Part 34	Device P/C			
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 4999, part 9, BAAQMD CAM condition # 24781, Part 34	Broken Bag Leak Detection Device P/C	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition # 24781, Part 43, BAAQMD # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
NESHAP,	General Provisions (4/20/06)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- BB Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-230 Hydraulic Roller Press (6-RP-1) abated by A-230 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
40 CFR, Part 63 Subpart A							
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10) <u>(7/27/15)</u>						
<u>63.1340(a)</u>	<u>Applicability</u>						<u>Y</u>
63.1340(b)(4)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR 63, Subpart A</u>					Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1343(b)(1)	Opacity <u>(all operating modes)</u>	OPACITY 10%	63.1349(b)(2) 63.1350(f)(2)	<u>Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed);</u>	once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- BB Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-230 Hydraulic Roller Press (6-RP-1) abated by A-230 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				COMS or BLDS can be used in lieu of daily visible emissions M9 Initial M22 P/D			
63.1343(ed)	Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015						Y
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1350(m) (NESHAP LLL 6/14/1999) BAAQMD condition # 4999, part 9	Broken Bag Leak Detector Device €	Once every six months	Y	Y
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1349(e) (NESHAP LLL 6/14/1999)	Periodic Source Test (M9) P/Every 5 years	Once every six months	Y	Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	Emission Limits	OPACITY 10%	63.1349(b)(2), 63.1350(f)(1)(i)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or BLDS can be used in lieu of daily	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- BB Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-230 Hydraulic Roller Press (6-RP-1) abated by A-230 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				visible emissions			
63.1347	Operation & Maintenance Plan Requirements	Written operations and maintenance plan			<u>Y</u>	Y	Y
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect CEM continuous monitoring data	63.1350 & 63.1350(op)			Y	Y
63.1348(b)(3)(ii)	Continuous Compliance Requirements	Opacity 10% (BLDS)	63.1350(f)(4)(ii)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed)BLD S-in-lieu-of VE DailyM22 P/D			Y
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance Test Requirements reports	Document all relevant information as required by §63.1349(a)(1)-(10) in performance test resultsTest description, method, etc...	63.7(c)(2)(i) 63.1350(n)(1) thru (10)	Initial and subsequent tests	Once every six months <u>Y</u>		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 3 hrs (30 6 mins ave. tests) 1 hr if no reading > 10% or no more than 3 reading of 10% for the first 1st hr Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- BB Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-230 Hydraulic Roller Press (6-RP-1) abated by A-230 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(ed)	<u>Performance Test Reporting Requirements</u> Performance Test conducted under representative performance	<u>Within 60 days after the initial performance test</u>		<u>Initial</u>	<u>Y</u>	Y	Y
63.1349(e)	<u>Performance Test Conducted Under Representative Performance Conditions</u>					<u>Y</u>	<u>Y</u>
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point					Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(2)(i)	Raw <u>or Finish</u> Mill Opacity Monitoring	6 mins test		M22 P/D			Y
63.1350(f)(2)(ii)	Raw <u>or Finish</u> Mill Opacity Monitoring	If visible observed, conduct M22 test within 24 hrs		M22 P/E			Y
63.1350(f)(2)(iii)	Raw <u>or Finish</u> Mill Opacity Monitoring	If visible observed during the follow up M22 test, conduct M9 <u>within 1 hour for 30 min</u>		M9 - 30 mins P/E			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour <u>as specified in the O&M Plan</u>	<u>63.1347</u>	P/E			Y
63.1350(f)(4)	Opacity Monitor	M22 <u>requirements</u> do not apply to source with COMS or Bag Leak Detection System (BLDS)					Y
<u>63.1350(f)(4)(i)</u>	<u>COMS (as applicable)</u>	<u>If relied upon as the compliance option for the opacity requirement, COMS should be installed, maintained, calibrated and operates as required by 40 CFR 63, Subpart A</u>	<u>Appendix B, PS1</u>				<u>Y</u>
63.1350(f)(4)(ii)	Bag Leak Detection System <u>(as applicable)</u>	<u>If relied upon as the compliance option for the opacity requirement, BLDS Must must meet (m)(1) through (m)(4), (m)(10) and (m)(11)</u>					Y
63.1350(m)(1)	Continuous Parameter Monitoring (CMS) Requirements <u>(as</u>	CMS must complete a minimum of one cycle of operation for					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- BB Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-230 Hydraulic Roller Press (6-RP-1) abated by A-230 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	applicable)	each successive 15 mins period					
63.1350(m) (2)		Conduct all monitoring in continuous operation at all times that the unit is operating					Y
63.1350(m) (3)		Determine the 3-hour block avg. of all recorded readings					Y
63.1350(m) (4)		Record the results of each inspection, calibration, and validation check				Y	Y
63.1350(m) (10)(i)	Bag Leak Detection Monitoring (BLDS) Requirements (as applicable)	Install and operate BLDS for each exhaust stack of the fabric filter					Y
63.1350(m) (10)(ii)		Installed, operated, calibrated and maintenance consistent with the manufacture's specifications and recommendations Guidance EPA-454/R-98-015					Y
63.1350(m) (10)(iii)		Certified by the manufacturer to detect PM emission at concentrations of <10 milligrams per actual cubic meter					Y
63.1350(m) (10)(iv)		BLDS-system sensor must provide output of relative or absolute PM loadings					Y
63.1350(m) (10)(v)		BLDS be equipped with a device to continuously record the output signal from the sensor					
63.1350(m) (10)(vi)		BLDS with an alarm system and located such that the alert is detected and recognized easily					Y
63.1350(m) (10)(vii)		Positive pressure fabric filter systems that do not duct all compartments of cells to a common stack, a BLDS system must be installed in each baghouse compartment or cell					Y
63.1350(m) (10)(viii)		Where multiple BLDS are required, the systems instrumentation and alarm may be shared among detectors					Y
63.1350(m) (11)	Cause of Alarm and Corrective Action Initial Procedures to determine the cause of every alarm	Determine the cause within 8 hours Correction within 24 hours				<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- BB Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-230 Hydraulic Roller Press (6-RP-1) abated by A-230 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				<u>Y</u>	<u>Y</u>
63.1350(p)	Development and Submittal (upon request) of Monitoring Plans					<u>Y</u>	<u>Y</u>
63.1351	Compliance Dates	Compliance date for opacity is June 14, 2002					Y
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63.			<u>Y</u>	Y
63.1353(b)(3)	Opacity test a Notification requirements		63.9			<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63.		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		63.1349		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4)	Semiannual reporting of O&M and SSM actions consistent with the plans	Via Compliance and Emissions Data Reporting Interface (CEDRI)If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part 64	Compliance Assurance Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Bag Leak Detector < 10 milligram per actual cubic meter		Continuous parameter monitoring system (CPMS)	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- BB Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-230 Hydraulic Roller Press (6-RP-1) abated by A-230 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition # 4999							
Part 1	Visible emissions (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 4999, part 9				Y
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Outlet grain loading limitation (Basis: Regulation 2-2-301.1 BACT)	PM10 0.006 gr/dscf	BAAQMD condition # 4999, part 9	Broken Bag Leak Detector Device P/C	As needed	Y	Y
Part 5	Throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Clinker production not to exceed 1.6 million tons/yr	BAAQMD condition # 4999, part 7	Log/record keeping P/D	Once every six months	Y	Y
Part 5	Throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Import 5,000 tons for each day the kiln is down in excess of 45 days	BAAQMD condition # 4999, part 7	Log/record keeping P/D	Once every six months	Y	Y
Part 7	Record keeping (Basis: Cumulative Increase)						Y
Part 9	Broken Bag Leak Detection Device (Basis: NESHAPS, Regulation 2-6-503, BAAQMD MOP Vol II, Part 3, § 4.7)	60% maximum allowable current limit	BAAQMD condition # 4999, part 9	Broken Bag Leak Detector Device P/C	Once every six months	Y	Y
Part 10	Bag Leak Exceedance Reporting Requirement						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- BB Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-230 Hydraulic Roller Press (6-RP-1) abated by A-230 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	(Basis: Regulation 2-6-501)						
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
BAAQMD Condition # 24781	CAM Condition						
Part 34	Broken Bag Leak Detector Installation (NESHAP 40 CFR Part 63 Subpart LLL)	Continuous Parametric Monitoring System (CPMS)		P/C			Y
Part 35	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	> 10 milligrams per actual cubic meter					Y
Part 36	Minimum Operating Cycle requirement (40 CFR Part 64.6(c)(1))	Minimum 15 min period and minimum 4 successive cycles per hour					Y
Part 37	Detection level (40 CFR Part 64.4(a))	Capable of detecting PM < 10 milligrams per actual cubic meter					Y
Part 38	Alarm System Requirement (40 CFR Part 64.3(b)(4)(iii))						Y
Part 39	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 40	BLD Inspection (40 CFR Part 64.3(b)(3), EPA-454/R-980015 Guidance)	Monthly		P/M			Y
Part 41	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 42	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))			P/A			Y
Part 43	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5 years		Y	Y
Part 44	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII CC Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-300 Rockplant Wet Aggregate Storage Piles abated by A-300 Water Spray System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7252, part 6	Log/Record Keeping P/D	Once every six months	Y	N
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition #7252, part 2 & 4	Water Spray System C	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7252, part 6	Log/Record Keeping P/D	Once every six months	Y	Y
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition #7252, part 2 & 4	Water Spray System C	Once every six months	Y	Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing</u>						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII CC Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-300 Rockplant Wet Aggregate Storage Piles abated by A-300 Water Spray System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	<u>(10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66	Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y
NSPS 40 CFR 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y
60.672(b)	Standard for Particulate Matter	OPACITY <10%	60.11 and 60.675	Visual Inspection (M9) Initial	Initial	N	Y
60.673	Reconstruction						Y
60.674	Monitoring of operations						Y
60.675	Test Methods and Procedures						Y
60.676	Reporting and recordkeeping						Y
BAAQMD Condition # 7252							
Part 1	Visible Particulates requirement (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 7252, part 6	Log/Record Keeping P/D	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII CC Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-300 Rockplant Wet Aggregate Storage Piles abated by A-300 Water Spray System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Abatement water flow rate requirement (Basis: Regulation 2-2-212 Cumulative Increase)	Water flow enough to maintain surface moisture	BAAQMD condition #7252, part 2 & 4	Water Spray System C	Once every six months	Y	Y
Part 4	Rock moisture content requirement (Basis: Regulation 2-2-212 Cumulative Increase)	Completely "surface wet"	BAAQMD condition # 7252, part 6	Log/Record Keeping P/D	Once every six months	Y	Y
Part 5	Throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Stockpiles product <1.5 million tons/yr	BAAQMD condition # 7252, part 6	Log/Record Keeping P/D	Once every six months	Y	Y
Part 6	Record keeping requirement (Basis: Cumulative Increase)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII DD Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-301 Rail Loadout System abated by A-301 Rail Loadout Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7837, part 4; BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 7837, part 4	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7837, part 4; BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 7837, part 4	Pressure Drop Monitoring P/Q	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII DD Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-301 Rail Loadout System abated by A-301 Rail Loadout Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII DD Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-301 Rail Loadout System abated by A-301 Rail Loadout Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10) (7/27/15)						
63.1340(a)	Applicability						<u>Y</u>
63.1340(b)(8)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	40 CFR part 63, subpart A					Y
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 P/M	Once every six months	<u>Y</u>	Y
63.1347	Operation & Maintenance Plan Requirements	Operation, Maintenance, Corrective Action, Procedure for inspection at least once per year	63.1350(f)(3)			Y	Y
63.1347(a)(1)	Procedures for Proper O&M of Affected Source and Air Pollution Control Devices						Y
63.1348(a)(2)	Initial Compliance Requirements	Opacity Compliance - M(9) 30 6-mins Opacity 10%	63.1349(b)(2)	M9 Initial			Y
63.1348(b)(1)(i)	General Requirements	Monitor, collect CEMS continuous monitoring data	63.1350 & 63.1350(p)			<u>Y</u>	<u>Y</u>
63.1348(b)(3) (+)	Continuous Compliance Requirements	Opacity 10%	63.1350(f) (+)	M22 P/M			Y
63.1348(b)(9)	Startup and Shutdown Compliance	1. Startup-injection must be turned on at the time the inlet baghouse temp. reaches 300°F 2. Shutdown-injection system can be turned off 3. Particulate control and all remaining devices that control hazardous air pollutants should be operationl during startup and shutdown		P/ Temp measures every minute			<u>Y</u>
63.1348(c)	Changes in Operations						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII DD							
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-301 Rail Loadout System abated by A-301 Rail Loadout Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance test reports	Test description, method, etc...			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test		<u>Initial</u>	<u>Initial</u> Y	Y	Y
63.1349(e)	Performance Test Conducted Under Representative <u>Performance Conditions</u>					Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
<u>63.1350(f)</u>	<u>Opacity Monitoring Requirements</u>	<u>M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>
63.1350(f)(1)(i)	Opacity Monitor Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M			Y
63.1350(f)(1)(ii)	Opacity Monitor Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitor Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitor Requirement	If visible observed during any M22 tests, conduct 5 6-mins of M9 within 1 hour		M22, then M9 within 1 hr			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – DD							
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-301 Rail Loadout System abated by A-301 Rail Loadout Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/E			
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; <u>subject to O&M Plan</u>		<u>O&M Plan</u>			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 <u>according to (f)(i) – f(iv) for at least 10 mins</u>		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour	<u>63.1347</u>	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y
63.1350(m)(6)(v)		<u>Use manometer. c</u> Check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer’s specified maximum pressure range or install a new pressure sensor					Y
63.1350(p)	Development and Submittal of Monitoring Plans						Y
63.1351	<u>Compliance date June 14, 2002</u>						Y
63.1353(a)	Notification Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>		<u>Y</u>	<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII -- DD							
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-301 Rail Loadout System abated by A-301 Rail Loadout Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1354(b)(2)	Opacity observation reporting		63.1349		Y	Y	Y
63.1354(b)(4) 2)	Semiannual reporting of O&M and SSM actions consistent with the plans	Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	Semiannual Report	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
BAAQMD Condition # 7837							
Part 1	Throughput limitation (Basis: Cumulative Increase)	Cement at source < 312,000 tons/yr	BAAQMD condition # 7837, part 7	Log/Record Keeping P/D	Annually	Y	Y
Part 2	Visible Particulates requirement (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 7837, part 4 BAAQMD condition #20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 3	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 4	Abatement performance detection device (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 5	Outlet grain loading limitation (Basis: Regulation 2-2-212 Cumulative Increase)	0.01 gr/dscf	BAAQMD condition # 7837, part 4 BAAQMD condition	Pressure Drop Monitoring P/E	As needed	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII DD Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-301 Rail Loadout System abated by A-301 Rail Loadout Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			#20751, part 3b				
Part 6	Hours of operation limitation (Basis: Regulation 2-2-212 Cumulative Increase)	2,080 hours of operation/yr	BAAQMD condition # 7837, part 7	Log/Record Keeping P/D	Annually	Y	Y
Part 7	Record keeping requirement (Basis: Cumulative Increase)						Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
Part 2	Baghouse Pressure Drop Limit (Regulation 2-6-503)	Operating pressure drop range (0 to 10 inch water)	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 3b	Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)						Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)						Y
Part 5	Annual Inspection (Regulation 2-6-503)						Y
Part 6	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - EE Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-340 Coarse Rock Withdrawal System abated by A-340 Baghouse, S-341 Screens abated by A-341 Baghouse, S-343 Crushed Rock Conveyors abated by A-341 Baghouse,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7247, part 2b BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 7247, part 2b BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7247, part 2b BAAQMD condition # 20751,	Pressure Drop Monitoring P/Q	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII EE Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-340 Coarse Rock Withdrawal System abated by A-340 Baghouse, S-341 Screens abated by A-341 Baghouse, S-343 Crushed Rock Conveyors abated by A-341 Baghouse,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			part 3b				
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 7247, part 2b BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66	Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - EE Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-340 Coarse Rock Withdrawal System abated by A-340 Baghouse, S-341 Screens abated by A-341 Baghouse, S-343 Crushed Rock Conveyors abated by A-341 Baghouse,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
NSPS 40 CFR 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y
60.672(a)	Standard for Particulate Matter	PM10 0.022 gr/dscf	60.8 and 60.675	Test Method (M5 or M17) Initial	Initial	N	Y
60.672(a)	Standard for Particulate Matter with Capture System	OPACITY < 7%	60.8 and 60.675	Visible Inspection (M9) Initial	Initial	N	Y
60.672(b)	Standard for Particulate Matter without Capture System	OPACITY < 10%	60.11 and 60.675	Visible Inspection (M9) Initial	Initial	N	Y
60.673	Reconstruction						Y
60.674	Monitoring of operations						Y
60.675	Test Methods and Procedures						Y
60.676	Reporting and recordkeeping						Y
BAAQMD Condition # 7247							
Part 1	Visible Particulates requirement (Basis: BACT, Regulation 6-1- 301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 7247, part 2b BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - EE Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-340 Coarse Rock Withdrawal System abated by A-340 Baghouse, S-341 Screens abated by A-341 Baghouse, S-343 Crushed Rock Conveyors abated by A-341 Baghouse,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 2a	Abatement detection device requirement (Basis: Cumulative Increase, BACT)						Y
Part 2b	Baghouse monitoring requirement (Basis: Cumulative Increase, BACT)						Y
Part 3	Outlet grain loading limitation (Basis: Regulation 2-2-301.1 BACT, Regulation 2-2-212 Cumulative Increase, Regulation 2-2-303 Offsets)	PM10 0.0013 gr/dscf	BAAQMD condition # 7247, part 2	Pressure Drop Monitoring P/E	As needed	Y	Y
Part 5	Rock specific throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Total of overburden coarse rock processed 1.5 million tons/yr	BAAQMD condition # 7247, parts 8 & 9	Log/Record Keeping P/D	Once every four months	Y	Y
Part 6	Rock specific throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Total of combined overburden coarse rock, sub-base rock and class 2 rock processed 2.5 million tons/yr	BAAQMD condition # 7247, parts 8 & 9	Log/Record Keeping P/D	Once every four months	Y	Y
Part 7	Hours of operation limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Total hours of operation 5,660/yr	BAAQMD condition # 7247, parts 8 & 9	Log/Record Keeping P/D	Once every four months	Y	Y
Part 8	Record keeping (Basis: Cumulative Increase)						Y
Part 9	Reporting requirements (Basis: Cumulative Increase)						Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
Part 2	Baghouse Pressure Drop Limit (Regulation 2-6-503)	Operating pressure drop range (0 to 10 inch water)	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 3b	Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)						Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501,						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII EE Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-340 Coarse Rock Withdrawal System abated by A-340 Baghouse, S-341 Screens abated by A-341 Baghouse, S-343 Crushed Rock Conveyors abated by A-341 Baghouse,							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	BAAQMD MOP Volume II, Part 3, §4.7)						
Part 5	Annual Inspection (Regulation 2-6-503)						Y
Part 6	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - EE-1FF Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-390 Conveyor abated by A-390 Baghouse							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7247, part 2b BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 7247, part 2b BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7247, part 2b BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII - EE-1FF</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-390 Conveyor abated by A-390 Baghouse</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 7247, part 2b BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
BAAQMD Condition # 7247							
Part 1	Visible Particulates requirement (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 7247, part 2b BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - EE-1FF Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-390 Conveyor abated by A-390 Baghouse							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 2a	Abatement detection device requirement (Basis: Cumulative Increase, BACT)						Y
Part 2b	Baghouse monitoring requirement (Basis: Cumulative Increase, BACT)						Y
Part 3	Outlet grain loading limitation (Basis: Regulation 2-2-301.1 BACT, Regulation 2-2-212 Cumulative Increase, Regulation 2-2-303 Offsets)	PM10 0.0013 gr/dscf	BAAQMD condition # 7247, part 2	Pressure Drop Monitoring P/E	As needed	Y	Y
Part 5	Rock specific throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Total of overburden coarse rock processed 1.5 million tons/yr	BAAQMD condition # 7247, parts 8 & 9	Log/Record Keeping P/D	Once every four months	Y	Y
Part 6	Rock specific throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Total of combined overburden coarse rock, sub-base rock and class 2 rock processed 2.5 million tons/yr	BAAQMD condition # 7247, parts 8 & 9	Log/Record Keeping P/D	Once every four months	Y	Y
Part 7	Hours of operation limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Total hours of operation 5,660/yr	BAAQMD condition # 7247, parts 8 & 9	Log/Record Keeping P/D	Once every four months	Y	Y
Part 8	Record keeping (Basis: Cumulative Increase)						Y
Part 9	Reporting requirements (Basis: Cumulative Increase)						Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
Part 2	Baghouse Pressure Drop Limit (Regulation 2-6-503)	Operating pressure drop range (0 to 10 inch water)	BAAQMD condition # 20751, part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 3b	Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)						Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II, Part						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII - EE-1FF</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-390 Conveyor abated by A-390 Baghouse</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	3, §4.7)						
Part 5	Annual Inspection (Regulation 2-6-503)						Y
Part 6	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	<p align="center">OPACITY Ringelmann 1.0 for < 3 min/hr</p> <p align="center">FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P^{0.67} lb/hr where P is process weight, lb/hr</p>		<p align="center">Source Test P/once every 5 yrs</p>	<p align="center">Once every 5 yrs</p>	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – FFGG Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-342 Rock Crushers abated by A-342 Baghouse							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7246, part 10	Broken Bag Leak Detection Device C	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 7246, part 10	Broken Bag Leak Detection Device C	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7246, part 10	Broken Bag Leak Detection Device C	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 7246, part 10	Broken Bag Leak Detection Device	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – FFGG Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-342 Rock Crushers abated by A-342 Baghouse							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				C			
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66	Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y
NSPS 40 CFR 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – FFGG Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-342 Rock Crushers abated by A-342 Baghouse							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
60.672(a)	Standard for Particulate Matter	PM10 0.022 gr/dscf	60.8 and 60.675	Test Method (M5 or M17) Initial	Initial	N	Y
60.672(a)	Standard for Particulate Matter	OPACITY < 7%	60.8 and 60.675	Visible Inspection (M9) Initial	Initial	N	Y
60.673	Reconstruction						Y
60.674	Monitoring of operations						Y
60.675	Test Methods and Procedures						Y
60.676	Reporting and recordkeeping						Y
BAAQMD Condition # 7246							
Part 1	Visible Particulates requirement (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 7246, part 10	Broken Bag Leak Detection Device C	Once every six months	Y	Y
Part 2	Outlet grain loading limitation (Basis: Regulation 2-2-301.1 BACT, Regulation 2-2-212 Cumulative Increase, Regulation 2-2-303 Offsets)	PM10 0.0013 gr/dscf	BAAQMD condition # 7246, part 10	Broken Bag Leak Detection Device C	Once every six months	Y	Y
Part 5	Rock specific throughput limitation (Basis: Regulation 2-2- 212 Cumulative Increase)	Total of overburden coarse rock processed 1.5 million tons/yr	BAAQMD condition # 7246, part 9	Log/Record Keeping P/D	Once every four months	Y	Y
Part 6	Rock specific throughput limitation (Basis: Regulation 2-2- 212 Cumulative Increase)	Total of combined overburden coarse rock, sub-base rock and class 2 rock processed 2.5 million tons/yr	BAAQMD condition # 7246, part 9	Log/Record Keeping P/D	Once every four months	Y	Y
Part 7	Hours of operation limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Total hours of operation 5,660/yr	BAAQMD condition # 7246, part 9	Log/Record Keeping P/D	Once every four months	Y	Y
Part 8	Record keeping (Basis:						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII <u>FFGG</u></p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-342 Rock Crushers abated by A-342 Baghouse</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Cumulative Increase)						
Part 9	Reporting requirements (Basis: Cumulative Increase)						Y
Part 10	Broken Bag Leak Detection Device (Basis: NSPS, Regulation 2-6-503, BAAQMD MOP Vol II, Part 3, § 4.7)	60% maximum allowable current limit	BAAQMD condition # 7246, part 10	Broken Bag Leak Detection Device C	Once every six months	Y	Y
Part 11	Bag Leak Exceedance Reporting Requirement (Basis: Regulation 2-6-501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, <u>lb/hr</u>		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- GGH Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-344 Rockplant Wet Screen Feed Conveyor abated by A-350 Water Spray System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7248, part 5	Log/Record Keeping P/D	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7248, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - <u>GGHH</u> Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-344 Rockplant Wet Screen Feed Conveyor abated by A-350 Water Spray System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66	Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y
NSPS 40 CFR 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y
60.672(b)	Standard for Particulate Matter	OPACITY <10%	60.11 and 60.675	Visual Inspection (M9) Initial	Initial	N	Y
60.673	Reconstruction						Y
60.674	Monitoring of operations						Y
60.675	Test Methods and Procedures						Y
60.676	Reporting and recordkeeping						Y
BAAQMD Condition # 7248							
Part 1	Visible Particulates requirement (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 7248, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Abatement water flow rate requirement (Basis: Regulation 2-2-212 Cumulative Increase)	Completely "surface wet"	BAAQMD condition # 7248, part 5	Log/Record Keeping P/D	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII - <u>GGHH</u></p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-344 Rockplant Wet Screen Feed Conveyor abated by A-350 Water Spray System</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 4	Throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Rock processed <1.5 million tons/yr	BAAQMD condition # 7248, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 5	Record keeping (Basis: Cumulative Increase)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- HHII Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-350 Rockplant Wet Screen and Conveying abated by A-350 Water Spray System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7249, part 5	Log/Record Keeping P/D	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7249, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
BAAQMD	Standards of Performance for						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- HHII Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-350 Rockplant Wet Screen and Conveying abated by A-350 Water Spray System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Regulation 10	New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66	Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y
NSPS 40 CFR 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y
60.672(b)	Standard for Particulate Matter	OPACITY <10%	60.11 and 60.675	Visual Inspection (M9) Initial	Initial	N	Y
60.673	Reconstruction						Y
60.674	Monitoring of operations						Y
60.675	Test Methods and Procedures						Y
60.676	Reporting and recordkeeping						Y
BAAQMD Condition # 7249							
Part 1	Visible Particulates requirement (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 7249, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Abatement water flow rate requirement (Basis: Regulation 2-2-212 Cumulative Increase)	Completely "surface wet"	BAAQMD condition # 7249, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 4	Surface wet condition (Basis: BACT, Regulation 1-301)	Completely "surface wet"	BAAQMD condition	Log/Record Keeping	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII - <u>HHII</u></p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-350 Rockplant Wet Screen and Conveying abated by A-350 Water Spray System</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			# 7249, part 5	P/D			
Part 5	Record keeping (Basis: Cumulative Increase)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- HJJ Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-360 Rockplant Wet Aggregate Loadout System abated by A-360 Water Spray System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7250, part 5	Log/Record Keeping P/D	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7250, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- HJJ Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-360 Rockplant Wet Aggregate Loadout System abated by A-360 Water Spray System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66	Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y
NSPS 40 CFR 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y
60.672(b)	Standard for Particulate Matter	OPACITY <10%	60.11 and 60.675	Visual Inspection (M9) Initial	Initial	N	Y
60.673	Reconstruction						Y
60.674	Monitoring of operations						Y
60.675	Test Methods and Procedures						Y
60.676	Reporting and recordkeeping						Y
BAAQMD Condition # 7250							
Part 1	Visible Particulates requirement (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 7250, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Abatement water flow rate requirement (Basis: Regulation 2-2-212 Cumulative Increase)	Completely "surface wet"	BAAQMD condition # 7250, part 5	Log/Record Keeping P/D	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII- HJJ</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-360 Rockplant Wet Aggregate Loadout System abated by A-360 Water Spray System</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 4	Surface wet condition (Basis: BACT, Regulation 1-301)	Completely "surface wet"	BAAQMD condition # 7250, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 5	Record keeping (Basis: Cumulative Increase)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- JJKK Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-380 Sand Transfer Hopper, S-381 Sand Storage Pile, S-382 Water Clarifier Fines System S-380, S-381, And S-382 Also Abated by A-370 Haul Road Sprinkler System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7251, part 5	Log/Record Keeping P/D	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7251, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- JJKK Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-380 Sand Transfer Hopper, S-381 Sand Storage Pile, S-382 Water Clarifier Fines System S-380, S-381, And S-382 Also Abated by A-370 Haul Road Sprinkler System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>dark as Ringelmann 1</u>		<u>(M9)</u>			
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66	Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y
NSPS 40 CFR 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y
60.672(b)	Standard for Particulate Matter	OPACITY <10%	60.11 and 60.675	Visual Inspection (M9) Initial	Initial	N	Y
60.673	Reconstruction						Y
60.674	Monitoring of operations						Y
60.675	Test Methods and Procedures						Y
60.676	Reporting and recordkeeping						Y
BAAQMD Condition # 7251							
Part 1	Visible Particulates requirement (Basis: BACT, Regulation 6-1-	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition	Log/Record Keeping	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - JJKK Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-380 Sand Transfer Hopper, S-381 Sand Storage Pile, S-382 Water Clarifier Fines System S-380, S-381, And S-382 Also Abated by A-370 Haul Road Sprinkler System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	301, Regulation 1-301)		# 7251, part 5	P/D			
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Particulate controls for unpaved roads (Basis: Regulation 2-2-301.1 BACT)	Completely "surface wet"	BAAQMD condition # 7251, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 4	Surface wet condition (Basis: BACT, Regulation 1-301)	Completely "surface wet"	BAAQMD condition # 7251, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 5	Record keeping (Basis: Cumulative Increase)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- JJ-1LL Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-370 Aggregate Additive Transfer System with Silo abated by A-370 Haul Road Sprinkler System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7251, part 5	Log/Record Keeping P/D	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 7251, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- JJ-1LL Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-370 Aggregate Additive Transfer System with Silo abated by A-370 Haul Road Sprinkler System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Condition # 7251							
Part 1	Visible Particulates requirement (Basis: BACT, Regulation 6-1-301, Regulation 1-301)	OPACITY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 7251, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Particulate controls for unpaved roads (Basis: Regulation 2-2-301.1 BACT)	Completely "surface wet"	BAAQMD condition # 7251, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 4	Surface wet condition (Basis: BACT, Regulation 1-301)	Completely "surface wet"	BAAQMD condition # 7251, part 5	Log/Record Keeping P/D	Once every six months	Y	Y
Part 5	Record keeping (Basis: Cumulative Increase)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – KKMM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-383 Rock Plant 2 Conveyors abated by A-384 Dust Collector, S-384 Rock Plant 2 Screens abated by A-384 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	40 CFR Part 64.3 (b)(4)(iii); BAAQMD CAM Condition # 24781, Part 16 BAAQMD CAM condition # 24781, Part 12	Pressure Drop Monitoring P/Q Visual Inspection (M22) P/Q	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	40 CFR Part 64.3 (b)(4)(iii); BAAQMD CAM Condition # 24781, Part 16 BAAQMD CAM condition # 24781, Part 12	Pressure Drop Monitoring P/Q Visual Inspection (M22) P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to lb/hr	BAAQMD Condition #24621, Part 2 BAAQMD CAM condition # 24781, Part 21	Source Test P/once every 5 yrs	Once every six months	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity						N

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - <u>KKMM</u> Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-383 Rock Plant 2 Conveyors abated by A-384 Dust Collector, S-384 Rock Plant 2 Screens abated by A-384 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Instruments and Appraisal of Visible Emissions						
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	40 CFR Part 64.3 (b)(4)(iii); BAAQMD CAM Condition # 24781, Part 16 BAAQMD CAM condition # 24781, Part 12	Pressure Drop Monitoring P/Q Visual Inspection (M22) P/Q	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	40 CFR Part 64.3 (b)(4)(iii); BAAQMD CAM Condition # 24781, Part 16 BAAQMD condition #20753, part 1	Pressure Drop Monitoring P/Q Visual Inspection (M22) P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD Condition #24621, Part 2 BAAQMD CAM condition # 24781, Part 21	Source Test P/once every 5 yrs	Once every six months	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling,						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KKMM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-383 Rock Plant 2 Conveyors abated by A-384 Dust Collector, S-384 Rock Plant 2 Screens abated by A-384 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
40 CFR, Part 64	Compliance Assurance Monitoring (apply to S-384 only)						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 8 inches water		Pressure Drop Monitoring P/Q Visual Inspection (M22) P/Q	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition #20751							

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - KKMM Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-383 Rock Plant 2 Conveyors abated by A-384 Dust Collector, S-384 Rock Plant 2 Screens abated by A-384 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
BAAQMD Condition #24781	CAM Condition						
Part 12	Conduct Visible Emissions (NSPS 40 CFR Part 60 Subpart OOO)	M22 Quarterly		P/Q			Y
Part 13	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	< 0.5 or > 10 inch water					Y
Part 14	Pressure monometer requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy < 0.5 inch water					Y
Part 15	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 16	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Quarterly		P/Q			Y
Part 17	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 18	Gauges Calibration (40 CFR Part 60, Subpart OOO, 40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 19	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 20	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))			P/A			Y
Part 21	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5 years		Y	Y
Part 22	Recordkeeping (Regulation 2-6-501)	At least for 5 years				Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- LLNN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-412 FINISH MILL (6-GM-3) ABATED BY A-218 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 13900, parts 1, 4, & 7	Broken Bag Leak Detector Device C	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 13900, parts 1,4, & 7	Broken Bag Leak Detector Device C	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition # 13900, parts 1, 4, & 7	Broken Bag Leak Detector Device C	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD condition # 13900,	Broken Bag Leak Detector	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII- LLNN</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-412 FINISH MILL (6-GM-3) ABATED BY A-218 DUST COLLECTOR</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			parts 1,4, & 7	Device C			
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, to lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- LLNN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-412 FINISH MILL (6-GM-3) ABATED BY A-218 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10) <u>(7/27/15)</u>						
<u>63.1340(a)</u>	<u>Applicability</u>						<u>Y</u>
63.1340(b)(4)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR 63, Subpart A</u>					Y
63.1343(b)(1)	Opacity <u>(all operating modes)</u>	OPACITY 10%	63.1349(b) (2) 63.1350(f) (2)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or BLDS can be used in lieu of daily visible emissions M 9 Initial M22 P/D	once every six months	Y	Y
<u>63.1343(d)</u>	<u>Compliance to Limits prior to 9/9/2010 until the New Limits become effective on 9/9/2015</u>						<u>Y</u>
	<u>Opacity Limit (NESHAP LLL 6/14/1999)</u>	<u>OPACITY 10%</u>	<u>63.1350(m) (NESHAP</u>	<u>Broken Bag Leak</u>	<u>Once every six months</u>	<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - LLNN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-412 FINISH MILL (6-GM-3) ABATED BY A-218 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			LLL 6/14/1999)	Detector Device			
			BAAQMD condition # 4999, part 9	€			
	Opacity Limit (NESHAP LLL 6/14/1999)	OPACITY 10%	63.1349(e) (NESHAP LLL 6/14/1999)	Periodic Source Test (M9) P/Every 5 years	Once every six months	Y	Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	Emission Limits	OPACITY 10%	63.1349(b)(2), 63.1350(f)(1)(i)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed); COMS or BLDS can be used in lieu of daily visible emissions	Once every six months	Y	Y
63.1347	Operation and Maintenance Plan Requirements						Y
63.1348(b)(1)(i)	General Requirements	Monitor, collect CEMs continuous monitoring data	63.1350 & 63.1350(p)			Y	Y
63.1348(b)(3)(ii)	Continuous Compliance Requirements	Opacity 10% (BLDS)	63.1350(f)(42)(ii)	Visible Emissions (Method 22) P/D Follow-up Method 9 (as needed)BLD			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII- LLNN</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-412 FINISH MILL (6-GM-3) ABATED BY A-218 DUST COLLECTOR</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				S in lieu of VE Daily M22 P/D			
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance Test Requirements reports	<u>Document all relevant information as required by §63.1349(a)(1)-(10) in performance test results</u> Test description, method, etc...	<u>63.7(c)(2)(i)</u> <u>63.1350(n)(1) thru (10)</u>	<u>Initial and subsequent tests</u>	<u>Y</u> <u>One every six mons</u>		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 3 hrs (30 6 mins ave. tests) <u>1 hr if no reading > 10% or no more than 3 reading of 10% for the first 1st hr</u> Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(ed)	Performance Test Conducted Under Representative Performance Reporting Requirements	<u>Within 60 days after the initial performance test</u>		<u>Initial</u>	<u>Y</u>	Y	Y
63.1349(e)	Performance Test Conducted Under Representative Performance Conditions					Y	Y
63.1350(f)(2)(i)	Finish Mill Opacity Monitor <u>ing</u>	6 mins test		M22			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - LLNN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-412 FINISH MILL (6-GM-3) ABATED BY A-218 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
				P/D			
63.1350(f)(2)(ii)	Finish Mill Opacity Monitoring	If visible observed, conduct M22 test within 24 hrs		M22 P/E			Y
63.1350(f)(2)(iii)	Finish Mill Opacity Monitoring	If visible observed during the follow up M22 test, conduct M9 <u>within 1 hour for 30 min</u>		M9 - 30 mins P/E			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour <u>as specified in the O&M Plan</u>	63.1347	P/E			Y
63.1350(f)(4)	Opacity Monitor	M22 <u>requirements</u> do not apply to source with COMS or Bag Leak Detection System (BLDS)					Y
<u>63.1350(f)(4)(i)</u>	<u>COMS (as applicable)</u>	<u>If relied upon as the compliance option for the opacity requirement, COMS should be installed, maintained, calibrated and operates as required by 40 CFR 63, Subpart A</u>	<u>Appendix B, PS1</u>				<u>Y</u>
63.1350(f)(4)(ii)	Bag Leak Detection System <u>(as applicable)</u>	<u>If relied upon as the compliance option for the opacity requirement, BLDS must meet (m)(1) through (m)(4), (m)(10) and (m)(11)</u>					Y
63.1350(m)(1)	Continuous Parameter Monitoring (CMS) Requirements <u>(as applicable)</u>	CMS must complete a minimum of one cycle of operation for each successive 15 mins period					Y
63.1350(m)(2)		Conduct all monitoring in continuous operation at all times that the unit is operating					Y
63.1350(m)(3)		Determine the 3-hour block avg. of all recorded readings					Y
63.1350(m)(4)		Record the results of each inspection, calibration, and validation check				Y	Y
63.1350(m)(10)(i)	Bag Leak Detection Monitoring (BLDS) Requirements <u>(as applicable)</u>	Install and operate BLDS for each exhaust stack of the fabric filter					Y
63.1350(m)(10)(ii)		Installed, operated, calibrated and maintenance consistent with the manufacture's specifications and recommendations					Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- LLNN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-412 FINISH MILL (6-GM-3) ABATED BY A-218 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		Guidance EPA-454/R-98-015					
63.1350(m)(10)(iii)		Certified by the manufacturer to detect PM emission at concentrations of <10 milligrams per actual cubic meter					Y
63.1350(m)(10)(iv)		BLDS system sensor must provide output of relative or absolute PM loadings					Y
63.1350(m)(10)(v)		BLDS be equipped with a device to continuously record the output signal from the sensor					
63.1350(m)(10)(vi)		BLDS with an alarm system and located such that the alert is detected and recognized easily					Y
63.1350(m)(10)(vii)		Positive pressure fabric filter systems that do not duct all compartments of cells to a common stack, a BLDS system must be installed in each baghouse compartment or cell					Y
63.1350(m)(10)(viii)		Where multiple BLDS are required, the systems instrumentation and alarm may be shared among detectors					Y
63.1350(m)(11)	Initial Procedures to determine the cause of every alarm <u>and Corrective Actions</u>	Determine the cause within 8 hours Correction within 24 hours				<u>Y</u>	Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal (upon request) of Monitoring Plans					Y	Y
63.1351	Compliance Dates	Compliance date for opacity is June 14, 2002					Y
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63.			<u>Y</u>	Y
63.1353(b)(3)	Opacity test <u>Notification requirements</u>		63.9			<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- LLNN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-412 FINISH MILL (6-GM-3) ABATED BY A-218 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63.		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		63.1349		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4)	Semiannual reporting of O&M and SSM actions consistent with the plans	Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
BAAQMD Condition # 13900							
Part 1	Abatement Requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 2	Visible Particulate requirements (Basis: BACT, Regulation 6-1-301, Regulation 1-301, Cumulative Increase)	OPACTIY Ringelmann 1.0 < 3 min/hr	BAAQMD condition # 13900, parts 1, 4, & 7	Broken Bag Leak Detector Device C	Once every six months	Y	Y
Part 3	Outlet grain loading limitation (Basis: Regulation 2-2-301.1 BACT)	0.006 gr/dscf	BAAQMD condition # 13900, parts 1, 4, & 7	Broken Bag Leak Detector Device P/E	Once every six months	Y	Y
Part 5	Throughput Limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Clinker production not to exceed 1.6 million tons/yr	BAAQMD condition # 13900, part 6	Log/Record Keeping P/D	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - LLNN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-412 FINISH MILL (6-GM-3) ABATED BY A-218 DUST COLLECTOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 6	Record keeping requirement (Basis: Cumulative Increase)						Y
Part 7	Broken Bag Leak Detection Device (Basis: NESHAPS, Regulation 2-6-503, BAAQMD MOP Volume II, Part 3, §4.7)	70% maximum allowable current limit	BAAQMD condition # 13900, part 7	Broken Bag Leak Detector Device C	Once every six months	Y	Y
Part 8	Bag Leak Exceedance Reporting Requirement (Basis: Regulation 2-6-501)						Y
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						Y
Part 2	Baghouse Pressure Drop Limit (Regulation 2-6-503)	Operating pressure drop range (0 to 10 inch water)	BAAQMD condition # 20751, part 3a	Pressure Drop Monitoring P/M	Once every six months	Y	Y
Part 3a	Baghouse Monthly Pressure Drop Recording requirement (Regulation 2-6-503)						Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)						Y
Part 5	Annual Inspection (Regulation 2-6-503)						Y
Part 6	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for < 3 min/hr FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P ^{0.67} lb/hr where P is process weight, lb/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - MMOO Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-414 Kiln Dust Additive Bin abated by A-413 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition # 24781, Part 1	Visual Inspection (M22) P/QM	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition # 24781, Part 5 and # 13982, part 2	Pressure Drop Monitoring P/M	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD CAM condition # 24781, Part 1	Visual Inspection (M22) P/M	Once every six months	Y	Y
6-305	Visible Particles						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - <u>MMOO</u> Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-414 Kiln Dust Additive Bin abated by A-413 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	BAAQMD CAM condition # 24781, Part 5 and # 13982, part 2	Pressure Drop Monitoring P/M	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, 4.0 lb/hr	BAAQMD CAM condition #24781, Part 10 BAAQMD condition # 24621, Part 2	Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
NESHAP, 40 CFR, Part 63 Subpart A	General Provisions (4/20/06)						
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - <u>MMOO</u> Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-414 Kiln Dust Additive Bin abated by A-413 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
<u>63.1340(a)</u>	<u>Applicability</u>						<u>Y</u>
63.1340(b)(6)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR 63, Subpart A</u>					Y
<u>63.1344</u>	<u>Affirmative Defense for Exceedance of Emissions Limit During Malfunction</u>						<u>Y</u>
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 P/M	<u>Once every six months</u>		Y
63.1347	Operation & Maintenance Plan Requirements	<u>Operation, Maintenance, Corrective Action, Procedure for inspection at least once per year</u>	<u>63.1350(f)(3)</u>			Y	Y
<u>63.1347(a)(1)</u>	<u>Procedures for Proper O&M of Affected Source and Air Pollution Control Devices</u>						<u>Y</u>
63.1348(a)(2)	Initial Compliance Requirements	<u>Opacity Compliance - M(9) 30 6-mins Opacity 10%</u>	63.1349(b)(2)	M9 Initial			Y
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect <u>CEMs</u> <u>continuous monitoring</u> data	63.1350 & 63.1350(ep)			Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – MMOO Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-414 Kiln Dust Additive Bin abated by A-413 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1348(b)(3) (+)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(+)	M22 P/M			Y
63.1348(b)(9)	Startup and Shutdown Compliance	<u>1. Startup-injection must be turned on at the time the inlet baghouse temp. reaches 300°F</u> <u>2. During Shutdown,- injection system can be turned off</u> <u>3. Particulate control and all remaining devices that control hazardous air pollutants should be operational during startup and shutdown</u>		P/ Temp measures every minute			Y
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance test reports	Test description, method, etc...			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test		Initial	Initial	Y	Y
63.1349(e)	Performance Test Conducted Under Representative <u>Performance Conditions</u>					Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
63.1350(f)	Opacity Monitoring Requirements	<u>M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin</u>			Y	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – MMOO Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-414 Kiln Dust Additive Bin abated by A-413 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>within 1 hr of VE</u>					
63.1350(f)(1)(i)	Opacity Monitor Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M			Y
63.1350(f)(1)(ii)	Opacity Monitor Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitor Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitor Requirement	If <u>visible-VE</u> observed during any M22 tests, <u>conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE, conduct 5-6 mins of M9 within 1 hour</u>		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; <u>subject to O&M Plan requirements</u>		<u>O&M Plan</u>			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 <u>according to (f)(i) – f(iv) for at least 10 mins</u>		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour	<u>63.1347</u>	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1 % of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - MMOO Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-414 Kiln Dust Additive Bin abated by A-413 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(m)(6)(v)		Using a manometer, check gauge calibration quarterly and transducer calibration monthly		P/Q and P/M			Y
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					Y
63.1350(o)	Alternate Monitoring Requirements Approval	Submit an application to the Administrator for approval of alternate monitoring requirements				Y	Y
63.1350(p)	Development and Submittal of Monitoring Plans						Y
63.1351	Compliance date June 14, 2002						Y
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			Y	Y
63.1353(b)(3)	Opacity test and Notification requirements		63.9			Y	Y
63.1353(b)(5)	Notification of Compliance Status					Y	Y
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63, Subpart A		Y	Y	Y
63.1354(b)(2)	Opacity observation reporting		63.1349		Y	Y	Y
63.1354(b)(4)	Semiannual reporting of O&M and SSM actions consistent with the plans	Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	Y	Y
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
40 CFR, Part	Compliance Assurance						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – MM00 Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-414 Kiln Dust Additive Bin abated by A-413 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
64	Monitoring						
64.1	Definitions						Y
64.2	Applicability						Y
64.3	Monitoring Design Criteria						Y
64.3(b)(4)(iii)	Data Collection at least once per 24-hour period	CAM Plan: Pressure Drop 0.5 to 10 inches water		Pressure Drop Monitoring P/M Visual Inspection (M22) P/M	Once every six months	Y	Y
64.5	Deadlines for submittal						Y
64.6	Approval of Monitoring						Y
64.7	Operation of Approved Monitoring						Y
64.8	Quality Improvement Plan (QIP) requirements						Y
64.9	Reporting and Recordkeeping requirements						Y
64.10	Savings Provisions						Y
BAAQMD Condition # 13982							
Part 1	Visible Particulates requirement (Basis: BACT, Regulation 6-1, Regulation 1-301)	Ringelmann 1.0 for < 3 min/hr Ringelmann 1.0	BAAQMD condition # 13982, parts 2, 6 BAAQMD CAM Condition # 24781, Part 5	Pressure Drop Monitoring P//M	Once every six months	Y	Y
Part 2	Baghouse Manometer (Basis: Regulation 6-1-301, 6-1-310, 6-1-311, Regulation 2-1-403)		BAAQMD condition # 13982, part 6	Pressure Drop Monitoring P/M			Y
Part 3	Outlet grain loading limitation (Basis: Regulation 2-2-212 Cumulative Increase)	PM10 0.0013 gr/dscf	BAAQMD condition # 13982, parts 2, 6 BAAQMD CAM	Pressure Drop Monitoring P/ M	Once every six months	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - <u>MMOO</u> Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-414 Kiln Dust Additive Bin abated by A-413 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
			Condition # 24781, Part 5				
Part 4	Throughput limitation (Basis: Regulation 2-2-212 Cumulative Increase)	Cement kiln dust shall not exceed 24,000 42,755 tons/yr	BAAQMD condition # 13982, part 5	Record Keeping P/M	Once every six months	Y	Y
Part 5	Record keeping requirement(Basis: Cumulative Increase)						
Part 6	Baghouse Inspection (Basis: Regulation 2-1-403)	Pressure Drop 0.5” – 8” H2O		P/M	Once every six months	Y	Y
Part 7	Records of Inspections and Maintenance work (Regulation 1-441)				Once every six months	Y	Y
Part 8	Source Test	Initial & once every five years		P/5 yrs	Once every five years	Y	Y
Part 9	Source Test Notification				Prior to testing	Y	Y
BAAQMD Condition # 24781	CAM Condition						
Part 1	Conduct Visible Emissions (NESHAP 40 CFR Part 63 Subpart LLL)	M22 monthly		P/M			Y
Part 2	Exceedance and Excursion (40 CFR Part 64.6(c)(2))	< 0.5 or > 10 inch water					Y
Part 3	Pressure monometer requirement (40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii))	Minimum Accuracy < 0.5 inch water					Y
Part 4	Pressure Drop Operation Range (40 CFR Part 64.4(a))	Operating pressure drop range (0.5 to 10 inch water)					Y
Part 5	Pressure Drop Reading (40 CFR Part 64.3(b)(4)(iii))	Monthly		P/M			Y
Part 6	Minimize Emissions if Exceedance Occurs (40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8)						Y
Part 7	Gauges Calibration (40 CFR Part 63, Subpart LLL, 40 CFR Part 64.3(b)(3))	Quarterly		P/Q			Y
Part 8	Monitor Report (40 CFR Part 64.6(c)(3), 40 CFR Part 64.9(a)(2))	Semi-Annual			P/SA		Y
Part 9	Abatement Device Inspection (40 CFR 64.6(c)(1)(iii))	Annually		P/A			Y
Part 10	Source Test (Regulation 2-1-403)	Once every 5 years		P/every 5yrs		Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - MMOO Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-414 Kiln Dust Additive Bin abated by A-413 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 11	Recordkeeping (Regulation -26-501)	At least for 5 years				Y	Y

Table IV & Table VII - NN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-415 Finish Mill Building Conveyor abated by A-415 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf		Pressure Drop Monitoring P/Q	Once every six months	Y	N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p style="text-align: center;">Table IV & Table VII-NN</p> <p style="text-align: center;">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p style="text-align: center;">S-415 Finish Mill Building Conveyor abated by A-415 Dust Collector</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD Condition #20751, Part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15-gr/dscf	BAAQMD Condition #20751, Part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton/hr		Source Test P/once every 5 yrs	Once every 5 yrs	Y	Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u><10% opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
NESHAP, 40-CFR, Part-63	General Provisions (4/20/06)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-NN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-415 Finish Mill Building Conveyor abated by A-415 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Subpart A							
63.1	Applicability						☒
63.2	Definitions						☒
63.3	Units and Abbreviations						☒
63.4	Prohibited Activities and Circumvention						☒
63.5	Preconstruction review and notification requirements						☒
63.6	Compliance with Standards and Maintenance Requirements						☒
63.7	Performance Testing Requirements						☒
63.8	Monitoring Requirements						☒
63.9	Notification Requirements						☒
63.10	Recordkeeping and Reporting Requirements						☒
63.12	State Authority and Delegation						☒
NESHAP, 40-CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10)(7/27/15)						
63.1340(a)	Applicability						☒
63.1340(b)(7)	Applicability						☒
63.1341	Definitions						☒
63.1342	Standards: General	<u>40 CFR part 63, subpart A</u>					☒
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						☒
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 PM	<u>Once every six months</u>	☒	☒
63.1347	Operation & Maintenance Plan Requirements	<u>Operation, Maintenance, Corrective Action, Procedure for inspection at least once per</u>	<u>63.1350(f)(3)</u>			☒	☒

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

~~Table IV & Table VII-NN~~

~~Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements~~

~~S-415 Finish Mill Building Conveyor abated by A-415 Dust Collector~~

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		year					
63.1347(a)(1)	Procedures for Proper O&M of Affected Source and Air Pollution Control Devices						☒
63.1348(a)(2)	Initial Compliance Requirements	Opacity 10% Opacity Compliance—M(9) 30.6 mins	63.1349(b)(2)	M9 Initial			☒
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect CEMs data	63.1350 & 63.1350(op)			☒	☒
63.1348(b)(3)(i)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(1)	M22 P/M			☒
63.1348(b)(9)	Startup and Shutdown Compliance	All Air Pollution Control Must Be Operating					☒
63.1348(c)	Changes in Operations						☒
63.1348(d)	General Duty to Minimize Emissions						☒
63.1349(a)	Performance test reports	Test description, method, etc...			☒		☒
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect CEMs data	63.1350 & 63.1350(o)			☒	☒
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours—30.6 mins ave) reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply		M9 Initial		☒	☒
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(e)	M9 Initial		☒	☒
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first hour period; M9 can reduce to 1 hr	63.1349(e)	M9 Initial		☒	☒
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test		Initial	Initial	☒	☒
63.1349(e)	Performance Test Conducted Under Representative Performance					☒	☒
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					☒
63.1350(f)	Opacity Monitoring Requirements	M22 10 mins monthly; if no VE for 6 mon, reduce to Semi Annual and Annual. If VE is			☒	☒	☒

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - NN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-415 Finish Mill Building Conveyor abated by A-415 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		observed during M22, conduct 30 min, recorded at 15 second interval using M9, must begin within 1 hr of VE					
63.1350(f)(1)(i)	Opacity Monitor Requirement	10 min visible test with M22 of appendix A 7 monthly		M22 P/M			Y
63.1350(f)(1)(ii)	Opacity Monitor Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitor Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; if VE observed during semi-annual, revert to monthly		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitor Requirement	If visible observed during any M22 tests, conduct 5-6 mins of M9 within 1 hour		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; subject to O&M Plan		O&M Plan			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 according to (f)(i) - (iv) for at least 10 mins		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour	63.1347	P/E			Y
63.1350(m)(6)(i)	Specific Pressure Monitoring Requirement	Location of the pressure sensor(s)					Y
63.1350(m)(6)(ii)		Minimize or eliminate pulsating pressure, vibration, and internal & external corrosion					Y
63.1350(m)(6)(iii)		Gauge minimum tolerance of 1.27 centimeters of water or a transducer with a minimum tolerance of 1% of the pressure range					Y
63.1350(m)(6)(iv)		Check pressure tap pluggage daily		P/D			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-NN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-415 Finish Mill Building Conveyor abated by A-415 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(m)(6)(v)		Use manometer, eCheck gauge calibration quarterly and transducer calibration monthly.		P/Q and P/M			☒
63.1350(m)(6)(vi)		Conduct calibration checks any time exceedance of the manufacturer's specified maximum pressure range or install a new pressure sensor					☒
63.1350(p)	Development and Submittal of Monitoring Plans						☒
63.1351	Compliance date June 14, 2002						☒
63.1353(a)	Notification Requirements of Subpart A		40 CFR 63, Subpart A			☒	☒
63.1353(b)(3)	Opacity test notification					☒	☒
63.1353(b)(5)	Notification of Compliance Status					☒	☒
63.1354(a)	Reporting Requirements of Subpart A		40 CFR 63, Subpart A		☒	☒	☒
63.1354(b)(2)	Opacity observation reporting		63.1349		☒	☒	☒
63.1354(b)(4)(2)	Semiannual reporting of O&M and SSM actions consistent with the plans	If action during startup, shutdown, or malfunction is consistent with procedures			Once every six months	☒	☒
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM plans	If action during startup, shutdown, or malfunction is NOT consistent with procedures			Within 2 working days	☒	☒
63.1354(e)	Semiannual Report	Report must include malfunction			Once every six months	☒	☒
63.1355	Recordkeeping Requirements						☒
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					☒
63.1358	Implementation and Enforcement						☒
BAAQMD Condition #20751							
Part 1	Baghouse Monitoring Requirement (Regulation 2-6-503)						☒
Part 2	Baghouse Pressure Drop Limit	Operating pressure drop range	BAAQMD	Pressure	Once every	☒	☒

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-NN Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-415 Finish Mill Building Conveyor abated by A-415 Dust Collector							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	(Regulation 2-6-503)	(0 to 10 inch water)	condition #20751, part 3b	Drop Monitoring P/Q	six months		
Part 3b	Baghouse Quarterly Pressure Drop Recording requirement (Regulation 2-6-503)						Y
Part 4	Reporting Pressure Drop Exceedances (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)						Y
Part 5	Annual Inspection (Regulation 2-6-503)						Y
Part 6	Recordkeeping (Regulation 2-6-501)						Y
BAAQMD Condition # 21345							
Part 1	Maximum throughput of material processed (Basis: Regulation 2-2-212 Cumulative Increase)	9,900 tons/yr	BAAQMD Condition #21345, Part 5	Log/Record Keeping P/Q	Once every six months	Y	Y
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Outlet Grain Loading Limitation (Basis: Cumulative Increase)	PM10 0.006-gr/dscf	BAAQMD Condition #20751, Part 3b	Pressure Drop Monitoring P/Q	Once every six months	Y	Y
Part 4	Hours of Operation (Basis: Cumulative Increase)	900 hours in any consecutive 12 month period	BAAQMD Condition #21345, Part 5	Log/Record Keeping P/Q	Once every six months	Y	Y
Part 5	Record-keeping (Basis: Cumulative Increase)						Y
BAAQMD Condition # 24621							
Part 2	Perform Source Test at least once every five years (Regulation 6-1)	OPACITY Ringelmann 1.0 for <3 min/hr		Source Test P/once every	Once every 5-yrs	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

~~Table IV & Table VII- NN~~

~~Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements~~

~~S-415 Finish Mill Building Conveyor abated by A-415 Dust Collector~~

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		FILTERABLE PARTICULATE 0.15 gr/dscf & 4.10P^{0.67} lb/hr where P is process weight		5-yrs			

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- OOPP Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-444 Emergency Clinker Conveyor abated by A-444 Water Spray							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N		Y	Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
NESHAP, 40 CFR, Part 63	General Provisions (4/20/06)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- OOPP Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-444 Emergency Clinker Conveyor abated by A-444 Water Spray							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Subpart A							
63.1	Applicability						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited Activities and Circumvention						Y
63.5	Preconstruction review and notification requirements						Y
63.6	Compliance with Standards and Maintenance Requirements						Y
63.7	Performance Testing Requirements						Y
63.8	Monitoring Requirements						Y
63.9	Notification Requirements						Y
63.10	Recordkeeping and Reporting Requirements						Y
63.12	State Authority and Delegation						Y
NESHAP, 40 CFR, Part 63 Subpart LLL	Portland Cement Manufacturing Industry (9/9/10) <u>(7/27/15)</u>						
63.1340(a)	Applicability						Y
63.1340(b)(7)	Applicability						Y
63.1341	Definitions						Y
63.1342	Standards: General	<u>40 CFR part 63, subpart A</u>					Y
63.1344	Affirmative Defense for Exceedance of Emissions Limit During Malfunction						Y
63.1345	Opacity Limit	OPACITY 10%	63.1349(b)(2) 63.1350(f)(1)	M9 Initial M22 P/M	<u>Once every six months</u>	<u>Y</u>	Y
63.1347	Operation & Maintenance Plan Requirements	<u>Operation, Maintenance, Corrective Action, Procedure for inspection at least once per year</u>	<u>63.1350(f)(3)</u>			Y	Y
63.1347(a)(1)	Procedures for Proper O&M of						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - OOPP Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-444 Emergency Clinker Conveyor abated by A-444 Water Spray							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Affected Source and Air Pollution Control Devices						
63.1348(a)(2)	Initial Compliance Requirements	Opacity Compliance - M(9) 30 6-mins Opacity 10%	63.1349(b)(2)	M9 Initial			Y
63.1348(b)(1)(i)	General Requirements (Compliance by 9/9/2015)	Monitor, collect CEMs <u>continuous monitoring</u> data	63.1350 & 63.1350(op)			Y	Y
63.1348(b)(3)(+)	Continuous Compliance Requirements	Opacity 10%	63.1350(f)(+)	M22 P/M			Y
63.1348(b)(9)	Startup and Shutdown Compliance	All Air Pollution Control equipment must be operating					Y
63.1348(c)	Changes in Operations						Y
63.1348(d)	General Duty to Minimize Emissions						Y
63.1349(a)	Performance test reports	Test description, method, etc...			Y		Y
63.1349(b)(2)	Opacity Performance Testing Requirements	Opacity M9 of appendix A-4, Part 60 (3 hours – 30 6 mins ave) <u>reduce to 1 hour if 63.1349(b)(2)(i) and (b)(2)(ii) apply</u>		M9 Initial		Y	Y
63.1349(b)(2)(i)	Opacity Performance Testing Requirements	If no individual opacity >10%, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(b)(2)(ii)	Opacity Performance Testing Requirements	If no more than 3 reading of 10% for the first-hour period, M9 can reduce to 1 hr	63.1349(c)	M9 Initial		Y	Y
63.1349(d)	Performance Test Reporting Requirement	Within 60 days after the initial performance test		Initial	Initial Y	Y	Y
63.1349(e)	Performance Test Conducted Under Representative Performance Conditions					Y	Y
63.1350(a)	Monitoring Requirements	Startup & shutdown averaged separately from normal operation					Y
63.1350(f)	Opacity Monitoring Requirements	M22 10 mins monthly; if no VE for 6-mon, reduce to Semi Annual and Annual. If VE is observed during M22, conduct 30-min, recorded at 15-second interval using M9, must begin within 1 hr of VE			Y	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- OOPP Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-444 Emergency Clinker Conveyor abated by A-444 Water Spray							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
63.1350(f)(1)(i)	Opacity Monitor Requirement	10-min visible test with M22 of appendix A-7 <u>monthly</u>		M22 P/M			Y
63.1350(f)(1)(ii)	Opacity Monitor Requirement	If no visible observed in 6 consecutive tests, reduce M22 to semi-annual		M22 P/SA			Y
63.1350(f)(1)(iii)	Opacity Monitor Requirement	If no visible observed during the semi-annual test, reduce M22 to annual; <u>if VE observed during semi-annual, revert to monthly</u>		M22 P/A			Y
63.1350(f)(1)(iv)	Opacity Monitor Requirement	If visible observed during any M22 tests, conduct 5 6-mins of M9 within 1 hour		M22, then M9 within 1 hr P/E			Y
63.1350(f)(1)(v)	Enclosed Opacity Monitor Requirement	M22 do not apply to enclosed conveying system transfer point; <u>subject to O&M Plan</u>		<u>O&M Plan</u>			Y
63.1350(f)(1)(vi)	Partially Enclosed or Unenclosed Opacity Monitor Requirement	M22 <u>according to (f)(i) – (iv) for at least 10 mins</u>		M22			Y
63.1350(f)(1)(vii)	Building Opacity Monitor Requirement	M22 for at least 10 mins		M22			Y
63.1350(f)(3)	Corrective Actions	Within 1 hour	<u>63.1347</u>	P/E			Y
63.1350(p)	Development and Submittal of Monitoring Plans						Y
63.1351	Compliance date June 14, 2002						Y
63.1353(a)	Notification Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>			<u>Y</u>	Y
63.1353(b)(3)	Opacity test notification					<u>Y</u>	Y
63.1353(b)(5)	Notification of Compliance Status					<u>Y</u>	Y
63.1354(a)	Reporting Requirements of Subpart A		<u>40 CFR 63, Subpart A</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(2)	Opacity observation reporting		<u>63.1349</u>		<u>Y</u>	<u>Y</u>	Y
63.1354(b)(4)(9)	Semiannual reporting <u>of O&M and SSM actions consistent with the plans</u>	<u>Via Compliance and Emissions Data Reporting Interface (CEDRI) If action during startup, shutdown, or malfunction is consistent with procedures</u>			Once every six months	Y	Y
63.1354(b)(5)	Notification of actions not consistent with O&M and SSM	If action during startup, shutdown, or malfunction is			Within 2 working	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- <u>OOPP</u> Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-444 Emergency Clinker Conveyor abated by A-444 Water Spray							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	plans	NOT consistent with procedures			days		
63.1354(c)	Semiannual Report Failure to meet standard	Report must include malfunction			Once every six months	Y	Y
63.1355	Recordkeeping Requirements						Y
63.1356	Source with Multiple Emission Limits or Monitoring Requirements	Affected facility must comply with most stringent emission limit					Y
63.1358	Implementation and Enforcement						Y
BAAQMD Condition # 23416							
Part 1	Visible emissions (Basis: Regulation 1-301 Public nuisance)	OPACITY Ringelmann 1.0 for < 3 min/hr					Y
Part 2	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 3	Maximum throughput (Regulation 2-2-212 Cumulative Increase)	Clinker processed < 75,000 tons in any consecutive 365 day period	BAAQMD Condition # 23416, part 4	Log/Record Keeping P/D	Once every six months	Y	Y
Part 4	Recordkeeping (Basis: Regulation 2-2-212 Cumulative Increase)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – PPQQ Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-501 Emergency Diesel Generator S-502 Emergency Diesel Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-303	Ringelmann Number 2 Limitation	OPACITY Ringelmann 2.0 for < 3 min/hr		N			N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf		N			N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ten lb/hr		N			N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-303	Ringelmann Number 2 Limitation	OPACITY Ringelmann 2.0 for < 3 min/hr		N			Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf		N			Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ten lb/hr		N			Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
BAAQMD Regulation 9,	Inorganic Gaseous						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – PPQQ Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-501 Emergency Diesel Generator S-502 Emergency Diesel Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Rule 1	Pollutants: Sulfur Dioxide (3/15/1995)						
9-1-301	Ground Level Concentration	SO2 < 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours.		N			Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Sulfur content of liquid fuel ≤ 0.5% by weight		N			Y
9-1-501	Area Monitoring Requirements						Y
9-1-502	Emission Monitoring Requirements						Y
9-1-602	Sulfur Content of Fuels						Y
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants: NOx and CO from Stationary Internal Combustion Engines (7/25/2007)						
9-8-110.5	Exemption Emergency Standby engines						N
9-8-330	Emergency Standby Engines, Hours of Operation						N
9-8-330.1	Emergency Standby Engines, Hours of Operation	Unlimited hours for emergency use					N
9-8-330.2	Emergency Standby Engines, Hours of Operation	Reliability-related activities limited to 100 hours per calendar year	BAAQMD Condition # 24375, part 1	Log/Record Keeping P/D	Once every six months	Y	N
9-8-330.3	Emergency Standby Engines, Hours of Operation	Reliability-related activities limited to 50 hours per calendar year	BAAQMD Condition # 24375, part 1	Log/Record Keeping P/D	Once every six months	Y	N
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping						N
SIP Regulation 9, Rule 8	Inorganic Gaseous Pollutants: NOx and CO from Stationary Internal Combustion Engines (12/15/1997)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII – PPOQ Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-501 Emergency Diesel Generator S-502 Emergency Diesel Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
9-8-101	Exclusion: Emergency Standby Engines						Y
CARB ATCM	Stationary Diesel Engine ATCM Section 93115, Title 17, CA Code of Regulations						N
BAAQMD Condition # 24375							
Part 1	20 hours of reliability related testing and unlimited hours of emergency standby power [Basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93115.6(b)(3)(A)(1)(a)]	20 hours/year	BAAQMD Condition # 24375, Part 4	Log/Record keeping P/D	As needed	Y	Y
Part 2	Operating conditions Basis: [BAAQMD Regulation 9-8-330, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93115.6(b)(3)(A)(1)(a)]						Y
Part 3	Installation of a non-resettable totalizing hour meter [Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93115.10(e)(1)]						Y
Part 4	Record keeping requirements [Basis: BAAQMD Regulation 9-8-530, 2-6-501, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93115.10(g)]						Y
<u>NESHAP, 40 CFR, Part 63 Subpart ZZZZ</u>	<u>Reciprocating Internal Combustion Engines (1/30/2013)</u>						
<u>63.6590(a)(1)</u>	<u>Applicability</u>						<u>Y</u>
<u>63.6675</u>	<u>Definitions</u>						<u>Y</u>
<u>63.6600</u>	<u>Work Practice Standards (voluntary)</u>	<u>1. Change oil and filter every 500 hours of operation or annually, whichever comes first.²</u>		<u>Annual</u>		<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII – PPQQ</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-501 Emergency Diesel Generator</p> <p align="center">S-502 Emergency Diesel Generator</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<p><u>2. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;</u></p> <p><u>3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary</u></p>					

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- PP-1RR Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-503 Portable Compressor Driver S-504 Portable Compressor Driver S-505 Portable Pump Driver							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-303	Ringelmann Number 2 Limitation	OPACITY Ringelmann 2.0 for < 3 min/hr		N			N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf		N			N
6-1-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		N			N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-303	Ringelmann Number 2 Limitation	OPACITY Ringelmann 2.0 for < 3 min/hr		N			Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf		N			Y
6-311	General Operations	FILTERABLE PARTICULATE 4.10P ^{0.67} lb/hr where P is process weight, ton lb/hr		N			Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants: Sulfur Dioxide (3/15/1995)						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII - <u>PP-1RR</u> Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-503 Portable Compressor Driver S-504 Portable Compressor Driver S-505 Portable Pump Driver							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
9-1-301	Ground Level Concentration	SO2 < 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours.		N			Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Sulfur content of liquid fuel ≤ 0.5% by weight		N			Y
9-1-602	Sulfur Content of Fuels						Y
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants: NOx and CO from Stationary Internal Combustion Engines (7/25/2007)						
9-8-111	Limited Exemption for Low Usage	Exempt from 9-8-301, 302, 303, 304, and 305 until January 1, 2012					N
9-8-304	Emission Limits-Compression Ignited Engines (effective January 1, 2012)	NOx less than or equal to 180 ppmvd CO less than or equal to 400 ppmvd					N
9-8-502.1	Recordkeeping	Record no. of hour/month					N
9-8-530	Emergency Standby, Low Usage Engines Monitoring and Recordkeeping	Equipped with non-resettable totalizing meter, keep record monthly					N
SIP Regulation 9, Rule 8	Inorganic Gaseous Pollutants: NOx and CO from Stationary Internal Combustion Engines (12/15/1997)						
9-8-110.1	Exemption: Less than 250 BHP engines						Y
CARB ATCM	Portable Diesel Engine ATCM Section 93116, Title 17, CA Code of Regulation						N
BAAQMD Condition # 24557							
Part 1	Low use engine hourly limit	80 hours/year	BAAQMD	Log/Record	As needed	Y	Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- PP-1RR Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-503 Portable Compressor Driver S-504 Portable Compressor Driver S-505 Portable Pump Driver							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	[Basis: "Portable Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93116.2(a)22)]		Condition # 24557, Part 4	keeping P/E			
Part 2	Ringelmann No. 2 Limitation [Basis: BAAQMD Regulation 6-1]	40% Opacity <u>>3 minutes/hour</u>		N			Y
Part 3	Obtain the Authority to Construct or State Registration prior to replacement of Tier 4 engines within 2 yrs that Tier 4 is available. [Basis: "Portable Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93116(b)(1)(B)]	Meet Tier 4 requirements					Y
Part 4	Equipped with non-resettable totalizing meter. [Basis: "Portable Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93116.4(c)(2)(A)]						Y
Part 5	Record keeping requirements [Basis: BAAQMD Regulation 2-6-501, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93116.4(c)(2)(B)&(C)]						Y
<u>NESHAP, 40 CFR, Part 63 Subpart ZZZZ</u>	<u>Reciprocating Internal Combustion Engines (1/30/2013)</u>						
<u>63.6590(a)(1)</u>	<u>Applicability</u>						<u>Y</u>
<u>63.6675</u>	<u>Definitions</u>						<u>Y</u>
<u>63.6600</u>	<u>Work Practice Standards (voluntary)</u>	<u>1. Change oil and filter every 500 hours of operation or annually, whichever comes first.²</u> <u>2. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;</u>		<u>Annual</u>		<u>Y</u>	<u>Y</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII- PP-1RR</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-503 Portable Compressor Driver S-504 Portable Compressor Driver S-505 Portable Pump Driver</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.					

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- <u>QQSS</u> Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-600 Quarry Blasting and Mobile Operations							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 1	General Provisions and Definitions (7/19/2006)						
1-301	Public Nuisance	The owner/operator of S-600 shall not emit emissions in sufficient quantities as to cause a public nuisance under Regulation 1-301	BAAQMD condition #21025, part 1	N			N
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr	BAAQMD condition #21025, part 2	N			N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxic Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- QQSS Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-600 Quarry Blasting and Mobile Operations							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
BAAQMD Condition # 21025							
Part 1	Public Nuisance (Basis: Regulation 1-301)	The owner/operator of S-600 shall not emit emissions in sufficient quantities as to cause a public nuisance under Regulation 1-301	BAAQMD condition #21025, part 1	N			Y
Part 2	Ringelmann No. 1 Limitation (Basis: Regulation 6-301)	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
Part 3	Recordkeeping (Basis: Regulation 2-2-212 Cumulative Increase)	Total explosives	BAAQMD 2-2-212	P/M	N	Y	Y

Table IV & Table VII- RR Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-601 Rock Hopper (9-DH-1) abated by Water Spray A-4501							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and						N

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII-RR							
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements							
S-601 Rock Hopper (9-DH-1) abated by Water Spray A-4501							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
	Appraisal of Visible Emissions						
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
BAAQMD Condition # 23896							
Part 1	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 2	Ringelmann 1.0 limitation (Basis: Cumulative Increase, Regulation 6, Regulation 1-301)	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
Part 4	Recordkeeping requirements (Basis: Cumulative Increase)						Y
Part 6	Records retention (Basis: Regulation 2-6-501)						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII~~ - SSTT

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-608 Hopper/Grizzly Feeder abated by A-608 Water Suppression Spray
S-602S-610 Conveyor System (~~9-PAF-1, 9-BC-1, 9-BC-2BC-1, BC-2, BC-3~~) abated by ~~Water Spray~~
A-4501A-610, A-611, A-612 Dust Collectors
S-603611 Vibrating Grizzly (~~9-VG-1~~) abated by A-6120 Dust Collector ~~Water Spray A-4501~~

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxics Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII~~ - SSTT

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-608 Hopper/Grizzly Feeder abated by A-608 Water Suppression Spray
~~S-602S-610 Conveyor System (9-PAF-1, 9-BC-1, 9-BC-2BC-1, BC-2, BC-3) abated by Water Spray~~
~~A-4501A-610, A-611, A-612 Dust Collectors~~
S-603611 Vibrating Grizzly (9-VG-1) abated by A-6120 Dust Collector Water Spray A-4501

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
		<u>Plan</u>					
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66	Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y
NSPS 40 CFR 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y
60.672(a)	Standard for Particulate Matter	PM10 0. 022 <u>014</u> gr/dscf	60.8 and 60.675	Test Method (M5 or M17) Initial	Initial	N	Y
60.672(a)	Standard for Particulate Matter with Capture System	OPACITY <7%	60.8 and 60.675	Visible Inspection (M9) Initial	Initial	N	Y
60.672(b)	Standard for Particulate Matter without Capture System	OPACITY <10%	60.11 and 60.675	Visible Inspection (M9) Initial	Initial	N	Y
60.673	Reconstruction						Y
60.674	Monitoring of operations						Y
60.675	Test Methods and Procedures						Y
60.676	Reporting and recordkeeping						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & ~~Table VII~~ SSTT

Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

S-608 Hopper/Grizzly Feeder abated by A-608 Water Suppression Spray
S-602S-610 Conveyor System (9-PAF-1, 9-BC-1, 9-BC-2BC-1, BC-2, BC-3) abated by Water Spray
A-4501A-610, A-611, A-612 Dust Collectors
S-603611 Vibrating Grizzly (9-VG-1) abated by A-6120 Dust Collector Water Spray A-4501

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
<u>BAAQMD Condition # 23896</u>							
Part 1	Abatement requirement (Basis: Regulation 2-2-212 Cumulative Increase)						Y
Part 2	Ringelmann 1.0 limitation (Basis: Cumulative Increase, Regulation 6, Regulation 1-301)	OPACITY Ringelmann 1.0 for < 3 min/hr					Y
Part 4	Recordkeeping requirements (Basis: Cumulative Increase)	Throughput & hour of operation		Log/Record keeping P/D		Y	Y
<u>BAAQMD Condition #24621</u>							
Part 2	Source Test Demonstration	0.0013 gr/dscf		P/every 5 year	Y	Y	Y
<u>BAAQMD Condition #25380</u>							
Part 1	Shall abate by Dust Collector						Y
Part 2	Shall equipped Dust Collector with pressure drop device	Check plugging		P/every 3 months			Y
Part 3	Ensure Proper Operation	Pressure drop between 2-6 inches H2O		P/Q			Y
Part 4	Record Keeping					Y	Y
Part 5	Outlet Grain Loading	0.0013 gr/dscf					
Part 6	Rock Throughput	10,133,800 ton/yr; 8,736 hours per year			Y	Y	Y
Part 8	Initial Source test						Y
Part 9	Source Test Procedure						Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- TTUU Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-606 Storage Piles (Area 1) abated by A-606 Water Spray (mobile water truck) S-607 Storage Piles (Area 2) abated by A-607 Water Spray (mobile water truck)							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter (12/05/07)						
6-1-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			N
6-1-305	Visible Particles						N
6-1-401	Appearance of Emissions						N
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann Number 1 Limitation	OPACITY Ringelmann 1.0 for < 3 min/hr		N			Y
6-305	Visible Particles						Y
6-401	Appearance of Emissions						Y
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
<u>BAAQMD Regulation 9-13</u>	<u>Nitrogen Oxides, Particulate Matter, and Toxics Air Contaminants from Portland Cement Manufacturing (10/19/16)</u>						
<u>9-13-302</u>	<u>Opacity</u>	<u>< 10 % opacity for more than 3 minutes in any hour or half as dark as Ringelmann 1</u>	<u>BAAQMD 9-13-609</u>	<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
<u>9-13-304</u>	<u>Fugitive Dust Mitigation Control Measures</u>	<u>Drops Heights, wind break, enclosures, area cover, water spray, vacuum, Dust Control Plan</u>		<u>Visual Inspection (M9)</u>		<u>Y</u>	<u>N</u>
BAAQMD Regulation 10	Standards of Performance for New Stationary Sources						

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

Table IV & Table VII- <u>TFUU</u> Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-606 Storage Piles (Area 1) abated by A-606 Water Spray (mobile water truck) S-607 Storage Piles (Area 2) abated by A-607 Water Spray (mobile water truck)							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 1	Subpart A. General Provisions (12/20/95)						Y
Part 66	Subpart OOO. Standards of Performance for Non-metallic for Non-metallic Mineral Processing Plants (4/28/2009)						Y
NSPS 40 CFR 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants (04/28/2009)						
60.670(a), (d), and (e)	Applicability and Designation of Affected Facilities						Y
60.670(f)	Applicability of Subpart A						Y
60.671	Definitions						Y
60.672(b)	Standard for Particulate Matter	OPACITY <10%	60.11 and 60.675	Visual Inspection (M9) Initial	Initial	N	Y
60.673	Reconstruction						Y
60.674	Monitoring of operations						
60.675	Test Methods and Procedures						Y
60.676	Reporting and recordkeeping						Y
BAAQMD Condition # 24274							
Part 1	Throughput Limit (Basis: Cumulative Increase)	S-606: 198,400 short tons/yr coal, 171,034 short tons/yr coke, 60,000 short tons/yr Bauxite, 50,000 short tons/yr Iron Ore S-607: 20,000 short tons/yr 1" aggregate, 200,000 short tons/yr ¼" aggregate, 20,000 short tons/yr slag	BAAQMD condition #24274 Part 4	Log/Record Keeping P/M	Annual	Y	Y
Part 2	Opacity Limit (Basis: Regulation 6-1-301)	Ringelmann 1.0 for < 3 min/hr		N			Y
Part 3	Abatement with water sprays (Basis: Cumulative Increase)	Water spray enough to maintain compliance with Ringelmann 1.0		N			Y

IV. Source Specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements

<p align="center">Table IV & Table VII- TTUU</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">S-606 Storage Piles (Area 1) abated by A-606 Water Spray (mobile water truck) S-607 Storage Piles (Area 2) abated by A-607 Water Spray (mobile water truck)</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
Part 4	Recordkeeping (Basis: Cumulative Increase)			Log/Record Keeping P/M	Annual	Y	Y

<p align="center">Table IV & Table VII-UU</p> <p align="center">Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements</p> <p align="center">P-111 FOR S-111 RAIL UNLOADING SYSTEM, P-112 FOR S-112 ADDITIVE/<u>FUEL</u> HOPPER TRANSFER SYSTEM, P-113 AND P-114 FOR S-113 ADDITIVE/<u>FUEL</u> BIN TRANSFER FACILITIES, P-115 FOR S-115 ADDITIVE/<u>FUEL</u> STORAGE,</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R	FE
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants/Lead (3/17/82)						
11-1-604	Determination of Daily Emission Limits						N
SIP Regulation 11, Rule 1	Hazardous Pollutants/Lead (6/02/80)						
11-1-301	Daily Limitation	LEAD 15-lb/day		N			Y

V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The Permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

COND #603

S-171 Kiln Fuel Mill System
S-172 Precalciner Fuel Mill System
S-154 Precalciner Kiln

Amended by A/N 15398, ~~and A/N 18535, A/N 21753, and A/N 22953, A/N 25447, A/N 26247, and A/N 26277~~

Any condition that is preceded by an asterisk is not federally enforceable.

1. The owner/operator shall not operate the pneumatic system from trucks to storage unless it is vented to a dust collection system. The S-171 Kiln Fuel Mill System shall be abated by A-171 Dust Collector, and the S-172 Precalciner Fuel Mill System shall be abated by A-172 Dust Collector. (Basis: Regulation 2-2-212 Cumulative Increase)
2. The owner/operator of S-171 and S-172 shall not exceed the following usage limits in the Precalciner and Kiln (S-154):
Operation with 100% coal at maximum 29 ton/hr; or
Operation with 100% petroleum coke at maximum 20 ton/hr

The owner/operator may use any combination of coal and petroleum coke other than specified above, provided that the owner/operator can demonstrate the total fuel consumption does not exceed 4,960,000 million BTU per year (1,600,000 ton/year clinker x 3.1 MMBTU/ton). For calculation purposes, the coal heating content is assumed to be 25 MMBTU/ton and coke heating content is assumed to be 29 MMBTU/ton. The values may change depending on each shipment received. (Basis: Cumulative Increase)

3. Deleted, (inappropriate PSD analysis trigger level for lead per Regulation 2-2-306)
4. Deleted, (inappropriate PSD analysis trigger level for beryllium per Regulation 2-2-306)
- *5. The ~~Owner~~owner/~~Operator~~operator of S-154 shall not exceed ~~1.062.08~~ pounds of hexavalent chromium per any consecutive 12 month period. (Basis: Toxics)

VI. Permit Conditions

6. Deleted (Part 8 replaces quarterly composition analysis of coke)
7. ~~The Owner/Operator of S-154, S-171 and S-172 shall calibrate, maintain, and operate District approved continuous volumetric flow meters on 4 of the 32 kiln (S-154) exhaust dust collectors (A-141, A-142) and on the fuel grinding mills exhaust dust collectors (A-171 and A-172) as suggested by the manufacturer's recommendation. [Basis: Regulation 2-6-503] Deleted (flow meters maintenance and service).~~
- *8. The ~~o~~Owner/~~O~~perator of S-154 shall conduct a source test at the exhausts of Dust Collectors (A-141, A-142, A-171 and A-172) ~~at least once per calendar year~~ to demonstrate subsequent compliance with Parts ~~5, 11, 16, 21 and 22~~. The test should be conducted with the raw mill on and the raw mill off. The ~~o~~Owner/~~O~~perator shall also test for trace metals contents (Sb, As, Be, Cd, total Cr, Cr⁶⁺, Cu, Hg, Mn, Ni, P, Pb, Se, V, Zn), benzene, ~~ammonia (NH₃)~~, Hydrochloric Acid (HCl~~s~~) and total hydrocarbon (THC) at least once per calendar year. ~~The owner/operator shall also test for dioxins/furans (D/F), and total organic HAP (formaldehyde, benzene, toluene, styrene, m-xylene, p-xylene, o-xylene, acetaldehyde and naphthalene) at least once every 30 months.~~ The ~~o~~Owner/~~O~~perator shall submit the source test results to the District Source Test Section and Engineering Divisions no later than 60 days after the source test. ~~Lehigh may use the same concentrations from A-141 and A-142 to calculate the metal toxic emissions from A-171 and A-172 if repeated source tests demonstrate that the concentrations from A-171 and A-172 are lower than the concentrations from A-141 and A-142. (Basis: Periodic Monitoring-Monitoring, Regulation 1-502, Toxics)~~
9. The ~~Ownerowner/Operator-operator~~ shall obtain approval for all source test procedures from the District's Source Test Manager prior to conducting any tests. The ~~Ownerowner/Operator-operator~~ shall comply with all applicable testing requirements for continuous emissions monitors as approved by the District's Source Test Manager. The ~~Ownerowner/Operator-operator~~ shall notify the District's Source Test Manager, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. ~~(Basis: Source test compliance verification and accuracy)~~
10. The owner/operator shall maintain daily records (calendar day), in a District approved log, for: (1) the amount of coke and coal usage, each separately (2) the coke's heat content and the coal's heat content. ~~→~~ The daily throughput of fuel used and daily average volumetric flow rates shall be submitted to the District once each ~~quarter~~monthly. All records shall be retained for a period of at least five years from the date of entry. This log shall be kept on site and made available to District staff upon request. ~~(Basis: Recordkeeping)~~
11. ~~The owner/operator shall operate of S-154 and A-154 Lime and Dry/Slurry Injection System at shall not exceed a level to maintain 3 ppmvd of HCl, dry at 7 percent oxygen, over 30-operating day rolling average. emissions from S-154 within the range necessary to comply with the applicable Regulation 9-13 and Federal NESHAPs HCl standard. The owner/operator may use the hydrated lime injection rate as a parametric monitor for HCl while the Performance Specification for HCl is being developed. The owner/operator of S-154 and A-154 shall not operate below 2.8 ton of dry/slurry lime injection per day, over 30-operating day rolling average. (Basis: Cumulative increase, revised-NESHAP Subpart LLL-effective September 9, 2015, Regulation 9-13) →.~~
11. ~~The owner / operator shall operate A-154 Lime Slurry Injection System so as to mitigate / maintain HCl emissions from S-154 to the applicable Federal NESHAPs HCl standard of 3 ppmvd at 7% O₂ on a 30 day average during normal operation and 3 ppmvd with no O₂ correction on a 7 day average during startup and shutdown operation. (Basis: Cumulative increase, revised NESHAP Subpart LLL. (Effective on September 9, 2015).~~
12. The owner/operator of the Lime ~~Dry~~/Slurry Injection system (A-154) shall install, operate and maintain District approved continuous hydrochloric acid (HCl) emission monitors at the exhausts of Dust Collectors ~~(A-141, A-142, A-171 and A-172)~~P-154) as suggested by the manufacturer's recommendation. ~~Lehigh must apply and~~

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obtain EPA's approval before using the HCl monitor's concentrations at the exhaust of A-141 and A-142 to calculate the mass flow of HCl emissions at the exhaust of A-171 and A-172. (Basis: Regulation 2-6-503, NESHAP Subpart LLL). ~~(Effective on September 9, 2015, Regulation 9-13).~~

- ~~13a. The owner/operator shall maintain hourly continuous emission monitoring records for the monitoring system in a form suitable for inspection and approved by the APCO and the EPA administrator. Such records shall include, but are not limited to: (Basis: RACT)~~
- ~~(i) The continuous emission monitoring measurements for HCl expressed in ppm;~~
- ~~(ii) The date, time, and duration of any start-up, shutdown or malfunction in the operation of any of the kiln systems or the emission monitoring equipment; and,~~
- ~~(iii) The results of performance testing, evaluation, calibration, checks, adjustments, and maintenance of the continuous emission monitoring system.~~
- *13b. The owner/operator shall maintain hourly continuous emission monitoring records for the Hg, HCl, THC, PM, Temperature, Opacity and Volumetric Flow monitoring systems in a form suitable for inspection and approved by the APCO and the EPA administrator. Such records shall include, but are not limited to:
- (i) The continuous emission monitoring measurements for ~~mercury~~ Hg, HCl, and THC expressed in ppm (1-hour average);
 - (ii) The production rates of clinker (tons/hr and tons/month);
 - (iii) The emission rates of Hg in lb/hr (for each hour of the month, the maximum 1-hour average during month, rolling 3-hr average, and rolling 30-day average) and lb/yr (30-day rolling average and 12-month rolling average);
 - (iv) The date, time, and duration of any start-up, shutdown or malfunction in the operation of any of the kiln systems or the emission monitoring equipment; and,
 - (v) The results of performance testing, evaluation, calibration, checks, adjustments, and maintenance of the continuous emission monitoring system.
- (Basis: ~~H&S Code 44300 et seq.~~ Recordkeeping)
- *14a. The owner/operator shall maintain the Hg, HCl, THC, PM, Temperature, Opacity and Volumetric Flow CEMS/Flow CEMS records at the facility for at least five years. These records shall be made available to the APCO or the EPA Administrator upon request. (Basis: Cumulative Increase)
- ~~*14b. The owner/operator shall maintain the mercury (Hg) CEMS records at the facility for at least five years. These records shall be made available to the APCO or the EPA Administrator upon request. (Basis: H&S Code 44300 et seq.)~~
- *15a. The Hg, HCl, THC, PM, Opacity and Volumetric Flow Continuous Emission Monitor System (CEMs) must meet the requirements of District Manual of Procedures, Volume V, Continuous Emission Monitoring, Policy and Procedures. All CEMS and parametric monitors such as Bag Leak Detectors, Temperature, etc... shall be operated and maintained as suggested by the manufacturer's recommendations (Basis: Regulation 1-522, 1-602; Manual of Procedures, Volume V)
- ~~*15b. The mercury Continuous Emission Monitor System (CEMs) must meet the requirements of District Manual of Procedures, Volume V, Continuous Emission Monitoring, Policy and Procedures. (Basis: Regulation 1-522, 1-602; Manual of Procedures, Volume V, H&S Code 44300 et seq.)~~
- *16. The owner/operator of S-154, S-171 and S-172 shall not emit more than the followings during normal operations:
- (i) 55 pounds of mercury per million tons of clinker produced, over 30-operating day rolling average;

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~~*(ii) Maximum 88 pounds of mercury per year (261 lbs/yr (12-month rolling average) and 0.064 lb/hr (3-hour rolling average) of total mercury during normal operation. These mercury limits may be revised based on a new stack or other modifications that Lehigh will be making, which could affect the Health Risk Analysis results. (Basis: H&S Code 44300 et seq., Regulation 9-13, NESHAP Supart LLL)~~

*17. The owner/operator of the Activated Carbon Injection System (A-156) shall install, operate and maintain District approved continuous mercury (Hg) emission monitors at the exhausts of Dust Collectors (A-141 and A-142) as suggested by the manufacturer's recommendation. (Basis: Regulation 9-13, NESHAP Supart LLL~~H&S Code 44300 et seq.~~).

*18. ~~During the period of waiting for mercury CEMs certification from EPA, the owner/operator of S-154, S-171 and S-172 shall not emit more than 0.064 lb/hr of total mercury on a 30 days rolling average during normal operation. The owner/operator shall perform a mass balance calculation (In = Out) to determine the mercury compliance. The following equation should be used:~~

~~Total Hg (air) = total feed Hg (Pre Blend Limestone + Iron + Bauxite + Coke) — total product Hg (KMDC dust to Finish Mills)~~

~~The sample of raw materials (Iron, Bauxite and coke) shall be taken once a week. The weekly composites of each raw material shall be analyzed for Hg by a certified laboratory once a month.~~

~~The sample of KMDC dust to Finish Mill and Pre Blend Limestone shall be taken every day. The daily composites of KMDC dust and Pre Blend Limestone shall be analyzed for Hg by a certified laboratory once a week.~~

~~(Basis: H&S Code 44300 et seq.) Deleted, interim mass balance for mercury before CEM is installed.~~

*19. ~~During the interim, the owner/operator shall report all Hg results to the District within 30 days at the close of the month reported on when using material balance to demonstrate compliance.~~

~~When the mercury CEMs is operational, the owner/operator shall report the CEMs readings and calculations to the District according to Part 13b within 30 days at the close of the month reported on. (Basis: Regulation 1-522) Deleted, interim mass balance for mercury before CEM is installed.~~

*20. The owner/operator of the Hg, NH₃, HCl, THC, PM, Opacity and Volumetric Flow CEMs must submit a monitoring plan to the District for approval. All operating parameters must be specified within 90 days of CEMs startup. (Basis: Regulation 9-13, NESHAP Supart LLL~~H&S Code 44300 et seq.~~)

21. The owner/operator of S-154 shall not emit more than 12 ppmv of total organic HAPs, dry at 7 percent oxygen over 30-operating day rolling average. The owner/operator may use the total hydrocarbon (THC) CEMS as a parametric monitor for the total organic HAP as approved by the District and established by source tests. The owner/operator of S-154 and A-154 shall not exceed 13,500-322 ppmv of THC, over a 30-operating day rolling average. A correlation between total organic HAP and THC concentration shall be determined at least once every 30 months where the total HAP shall be set during that compliance period. (Basis: Cumulative increase, NESHAP Subpart LLL effective September 9, 2015, Regulation 9-13)

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22. The owner/operator of S-154 shall not emit more than 0.2 ng-TEQ/dscm of dioxins and furans (D/F) dry at 7 percent oxygen over a 24-hour rolling average. The owner/operator may use temperature CEMS as a parametric monitor for the D/F as approved by the District and established by source tests. The kiln exhaust gas at the inlet to the PM control device shall not exceed ~~498~~ 200-°C (~~388~~ 392 °F), over 24-hour rolling average. A correlation between D/F concentrations and temperature shall be determined at least once every 30 months where an operating temperature shall be set during that compliance period. (Basis: Cumulative increase, NESHAP Subpart LLL, Regulation 9-13)

23. In order to adjust for the air dilution, the adjusted air flow rate will be calculated using the booster fan's curve in Attachment A. The owner/operator of the booster fan shall monitor and record the fan operating total pressure (kPa) or its volumetric flow rate in Standard Cubic Feet per Minute (SCFM) on a daily basis. The adjusted concentration in ppmv shall be used to calculate total emissions and demonstrate compliance with Regulation 9-13 standards. The owner/operator of S-154 and S-161 shall adjust the measured concentration (ppmv) of all CEMS as follows: (Basis: Cumulative Increase)

ppmv (adjusted) = ppmv (measured) x [SCFM measured / (SCFM measured - SCFM fan)] Deleted, there was no air dilution.

24. The owner/operator of S-154 and S-161 shall produce the CEM results in the data format specified with the appropriate calculation method used as suggested by the District's Source Test Section. All monthly CEMS data shall be reported using the ~~same District approved format, specified in the source test's letter in Attachment B. The Attachment B will be developed and approved by Source Test Section before the permit to operate for new stacks is issued~~ (Basis: Cumulative Increase)

COND #779

For S-210 Finish Mill 6-GM-1

1. The owner/operator shall not operate S-210 Finish Mill 6-GM-1 unless the equipment is abated by dust collector A-210 (6-DC-17). (Basis: Cumulative Increase)
2. The owner/operator shall ensure particulate emissions do not exceed 0.006 grains/SDCF or 0.9 lbs/hr total (average of three 50-minute runs) from the Finish Mill 6-GM-1 dust collector 6-DC-17 (A-210) (Basis: BACT, Cumulative Increase)
3. The owner/operator of S-210 shall not process more than 1.6 million short tons per year of clinker. Clinker may be imported only to make up production loss due to kiln down time in excess of 45 days in the last 365 days. Five thousand (5000) tons for each day that the kiln is down in excess of 45 days may be imported. (Basis: Cumulative Increase)
4. The owner/operator shall ensure visible particulate emissions from source S-210 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301).

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5. Deleted. (Basis: Continuous monitoring system replaced by bag leak detection device in part 6.)
6. The owner/operator shall equip A-210 with a District-approved broken bag detection device, which shall include an alarm that is triggered when the device signals the current has exceeded 70% maximum allowable current limit. Except for a 20 minute period after equipment startup and shutdown, if the alarm is triggered, the owner/operator shall perform a Method 22 test within one hour of the alarm. If emissions are observed per Method 22, then the owner/operator shall record the event as an exceedance in a District-approved log. Any exceedance shall also be reported to the Director of Compliance and Enforcement in accordance with the requirements in Standard Condition I.F. (NESHAPS, Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)
7. The owner/operator shall keep the exceedance records for at least 5 years and shall make the records available to District staff upon request. (Regulation 2-6-501)

~~COND #805~~

~~For S-201 Primary Crusher and S-202 Secondary Crusher~~

- ~~1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour that is dark or darker than Ringelmann 1 or equivalent to 20% opacity. (Basis: Regulation 6-301)~~

COND #1545

For S-211 Separator

1. The owner/operator shall not operate Separator 6-SE-2 unless the equipment is abated by A-211 (6-DC-12, ~~14~~, 14, 16, and 18) dust collectors. (Basis: Regulation 2-2-212 Cumulative, BACT)
2. The owner/operator shall ensure the particulate emissions do not exceed 0.006 grains/SDCF or 3.6 lbs/hr total (average of three 50 minute runs) from Air Separator dust collectors. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator of S-211 shall not process more than 1.6 million short tons per year of clinker. Clinker may be imported only to make up production loss due to kiln down time in excess of 45 days in the last 365 days. Five thousand (5000) tons for each day that the kiln is down in excess of 45 days may be imported. (Regulation 2-2-212 Cumulative Increase)
4. Deleted. (Basis: Continuous monitoring system replaced by bag leak detection device in part 6.)

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5. The owner/operator shall ensure visible particulate emissions from S-211 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)
6. The owner/operator shall equip A-211 with a District-approved broken bag detection device, which shall include an alarm that is triggered when the device signals the current has exceeded 70% maximum allowable current limit. If the alarm is triggered, the owner/operator shall perform a Method 22 test within one hour of the alarm. Except for a 20 minute period after equipment startup and shutdown, if emissions are observed per Method 22, then the owner/operator shall record the event as an exceedance in a District-approved log. Any exceedance shall also be reported to the Director of Compliance and Enforcement in accordance with the requirements in Standard Condition I.F. (NESHAPS, Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)
7. The owner/operator shall keep the exceedance records for at least 5 years and shall make the records available to District staff upon request. (Regulation 2-6-501)

COND #2786 For:

- S-111 Rail Unloading System, abated by A-111 Dust Collector 1-DC-1
- S-112 Additive Hopper transfer system, abated by A-112 Dust Collector 1-DC-2
- S-113 Additive bin transfer facilities, abated by A-113 Dust Collector 1-DC-3
- S-115 Additive Storage, abated by A-115 Dust Collector 1-DC-5
- S-121 Tertiary scalping screen 2-VS-1-2, abated by A-121 Dust Collector 2-DC-1
- S-122 Tertiary crusher 2-CR-1, abated by A-122 Dust Collector 2-DC-2
- S-123 rock conveying system, S-131 rock sampling system, abated by A-123 Dust Collector 2-DC-3
- S-132 preblend dome, abated by A-132 Dust Collector 3-DC-2
- S-134 preblend storage bin 4-S-1, 4-S-2, abated by A-134 Dust Collector 3-DC-4
- S-135 high grade storage bin 4-S-3, 4-S-4, abated by A-135 Dust Collector 3-DC-5
- S-141 raw mill 1 4-GM-1, abated by A-141 Dust Collector 4-DC-7 through 4-DC-22
- S-142 raw mill 2 4-GM-2, abated by A-142 Dust Collector 3-DC-23 through 4-DC-38
- S-143 raw mill 1 separator system 4-SE-3, abated by A-143 Dust Collector 4-DC-3
- S-144 raw mill 2 separator circuit 4-SE-4, abated by A-144 Dust Collector 4-DC-4
- S-151 homogenizer 5-S-1-2, abated by A-151 Dust Collector 5-DC-1
- S-153 kiln feed system, abated by A-153 Dust Collector 5-DC-3
- S-154 Precalciner Kiln, abated by A-141, A-142, S-171 and A-172 Dust Collectors
- S-161 clinker Cooler 5-CC-1, abated by A-161 Dust Collector 5-DC-11 through 5-DC-20
- S-162 Clinker Silo A, abated by A-162 Dust Collector 5-DC-24
- S-163 Clinker silo B, abated by A-163 Dust Collector 5-DC-25
- S-164 free lime storage bin, abated by A-164 Dust Collector 5-DC-23
- S-165 clinker transfer system, abated by A-164 Dust Collector 5-DC-27

VI. Permit Conditions

S-171 Kiln Fuel Mill System, abated by A-171 Baghouse 5-DC-5

S-172 Precalciner Fuel Mill System, abated by A-~~171-172~~ Baghouse 5-DC-~~56~~

A. Gaseous Emission Limitations:

1. The owner/operator shall ensure the emission of sulfur dioxide does not exceed ~~the more stringent of (i) that accomplished by the rejection of 90% of the sulfur in the raw feed plus fuel, assuming, but not requiring, 0.6% sulfur coal as the fuel, averaged over a 24 hour day; OR (ii) 481 lb/hr also averaged over the same 24 hour calendar day.~~ (Basis: Cumulative Increase)
2. Deleted (Basis: The maximum allowable emission rate for oxides of nitrogen is redundant with condition 11780, part C.1.)
3. The owner/operator shall install at a location approved by the APCO continuous in-stack SO₂ and NO_x monitoring equipment on ~~an emission point of one of the Kiln stack (P-154) Mill baghouses,~~ and shall provide to the District, upon request, information on SO₂ and NO_x emissions in terms of pounds per hour and concentrations in parts per million. The monitoring equipment required shall be calibrated, maintained, serviced and repaired by the person responsible for the operation so that it will function and adequately sense, indicate and record the parameters it is designed to sense, indicate and record. ~~The owner/operator~~ Permit Holder shall also regularly provide to the District information concerning the feed sulfur input. (Basis: Cumulative Increase)
4. ~~The allowable emissions of SO₂ at the coal mill and kiln mill, shall be prorated as follows: The owner/operator shall monitor SO₂ emissions from the kiln mill as specified above; the owner/operator may also monitor SO₂ emissions from the mill on a continuous basis, however, whenever coal mill SO₂ emissions are not so monitored, they shall be deemed to constitute 12% of the total SO₂ emissions; accordingly, emissions from the kiln mill shall be deemed to constitute 88% of the SO₂ emissions. When not so monitored, SO₂ emissions from the coal mill shall not exceed 1.2% of the input sulfur, as provided in paragraph A (1) above, or 15% of the total SO₂ emissions.~~

~~As to the alternative limitation of 481 lbs/hr, so long as the coal mill emissions are not monitored, SO₂ emissions from the kiln mill shall not exceed 423 lbs/hr, and from the coal mill 58 lbs/hr. (Basis: Regulation 2-2-212 Cumulative Increase, Cumulative Increase) Deleted, stacks are combined.~~

- B. Particulate Emission Limitations: The owner/operator of S-141, S-142, S-154, S-161, S-171, and S-172 shall perform an annual source test to demonstrate compliance with the limits below in B(1), B(2), ~~and B(3),~~ B(4), B(5) and B(6). The owner/operator shall obtain approval for all source test procedures from the District Source Test Manager prior to conducting any tests. The owner/operator shall notify the District

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Source Test Manager in writing of the source test protocols and projected test dates at least 7 days prior to testing. The owner/operator shall submit the source test results to the District Source Test Manager and Engineering Division no later than 60 days after the source test. (Basis: Regulation 2-2-212 Cumulative Increase, Regulation 1-502):

The owner/operator shall ensure particulate emissions or grain loading from these sources does not exceed the following:

- (1) ~~Cement Kilns and Raw Mills (S-141 and S-142)~~ = 36 lb/hr total and 0.02 gr/~~SD~~SCF.
(~~S-154 and S-142, S-141~~)(Basis: Cumulative Increase)
- (2) Fuel Drying and Grinding (~~S-171 and S-172~~) = 6.6 lb/hr total and 0.02 gr/~~SD~~SCF.
(Basis: Cumulative Increase)(~~S-171 and S-172~~)
- (3) Clinker Cooler (~~S-161~~) = ~~0.04 lb/ton of clinker produced, based on three run test average~~ 8 lb/hr and 0.01 gr/~~SD~~CF. (Basis: Regulation 9-13)
(~~S-161~~)
- (4) Cement Kiln (~~S-154~~) = 0.04 ~~lb~~/ton of clinker produced, based on three run test average. (Basis: Regulation 9-13)

The owner/operator shall ensure opacities from these sources does not exceed the following:

- (5) Cement Kiln (S-154) shall not emit for a period or periods aggregating more than three minutes in any hour an emission equal to or greater than Ringelmann 1 or 20% opacity.
(Basis: Regulation 9-13, Regulations 6-1-301 and 302)
- (6) Clinker Cooler (S-161) shall not emit for a period or periods aggregating more than three minutes in any hour an emission equal to or greater than Ringelmann 1 or 20% opacity.
(Basis: Regulation 9-13, Regulations 6-1-301 and 302)

C. Testing Facilities (Basis: Regulation 1-501)

The owner/operator shall provide test facilities so that representative sampling and accurate measurements can be made of all emissions from all sources subject to ~~Regulation 10, NSPS Subpart F~~ FNESHAP Subpart LLL effective September 15, 2015, Portland Cement Plants and for all measurements necessary to prove compliance with the conditions of this permit.
(Basis: Regulation 1-501)

D. Production Rates: (Basis: Regulation 2-2-212 Cumulative Increase)

The annual production from all potential production facilities both old and new, shall not exceed 1,600,000 tons of clinker.~~Deleted, redundant clinker production rate with Condition # 11780 B.1~~

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E. Deleted (Basis: The sequence of shutting down the six cement kilns is no longer necessary. The ~~Owner~~owner/~~Operator~~operator has only one cement kiln)

F. Particulate Monitoring

- ~~The owner/operator shall equip A-143 and A-144 with a District approved broken bag detection device, which shall include an alarm that is triggered when the device signals the current has exceeded 60% maximum allowable current limit. If the alarm is triggered, the owner/operator shall perform a Method 22 test within one hour of the alarm. Except for a 20 minute period after equipment startup and shutdown, if emissions are observed per Method 22, then the owner/operator shall record the event as an exceedance in a District approved log. Any exceedance shall also be reported to the Director of Compliance and Enforcement in accordance with the requirements in Standard Condition I.F. (NESHAPS, Regulation 2-6-501, BAAQMD MOP Volume H, Part 3, §4.7)~~Deleted, superseded by CAM Condition #24781 for bag leak detector.
- ~~The owner/operator shall keep the exceedance records for at least 5 years and shall make the records available to District staff upon request. (Regulation 2-6-501)~~Deleted, superseded by CAM Condition #24781 for bag leak detector.

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COND #4995

For S-222 Gypsum Feeder (6-WF-4), S-240 Additive Conveyor/Bins (6-BC-20, 6-SS-4, 6-SS-5, 6-SS-7, 6-SS-9), S-243 Gypsum Feeder (6-WF-9), S-244 Pozzolan Feeder (6-WF-7), S-245 Clay Feeder (6-WF-5) and S-246 Synthetic Gypsum Feeder (6-WF-11). Application # 4770, amended by A/N 23594.

1. The owner/operator shall ensure visible particulate emissions from each source (S-222, S-240, S-243, S-244, S-245 and S-246) do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: Regulation 6-1-301, Regulation 1-301)
2. The owner/operator shall ensure all of the particulate emissions emitted from the handling of cement for the sources identified in Part #1 flow under negative pressure to a Baghouse, (A-222 (6-DC-4), A-240 (6-DC-21), A-243 (6-DC-9), A-244 (6-DC-7), A-245 (6-DC-5), respectively). The owner/operator shall equip ~~each Baghouse~~each Baghouse with a District approved manometer for measuring the pressure drop across the Baghouse. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall ensure the outlet grain loading for each Baghouse does not exceed 0.0013 grain/dscf. (Basis: Regulation 2-2-301.1 BACT)
4. Deleted (startup condition)
5. Deleted (startup condition)
6. The owner/operator shall maintain daily records, in a District approved log, for the total hours of operation. The owner/operator shall maintain a quarterly record, in a District approved log, of the pressure drop. This log shall be retained for a period of at least five years from date of first entry. This log shall be kept on site and made available to the District's staff upon request. (Basis: Cumulative Increase)
7. The owner/operator shall ensure the total throughput of combined natural and synthetic gypsum at S-222, S-223, S-243 and S-246 does not exceed 84,210 tons in any consecutive 12-month period. (Basis: Regulation 2-2-212 Cumulative Increase)
8. The owner/operator shall ensure the total throughput of synthetic gypsum at S-222, S-223, S-243 and S-246 does not exceed 15,000 tons in any consecutive 12-month period. (Basis: Regulation 2-2-212 Cumulative Increase)

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COND #4996

For S-216 Clinker Cake ~~Conveyor~~ (Conveyor (6-BC-13), S-217 Clinker Cake Conveyor (6-BC-15), S-221 Clinker Cake Feeder (6-WF-2), S-223 Synthetic Gypsum Feeder (6-WF-12), S-231 Pressed Cake Bin (6-SS-2), S-242 Clinker Cake Feeder (6-WF-3). Application # 4770, amended by A/N 23594.

1. The owner/operator shall ensure visible particulate emissions from each source (S-216, S-217, S-221, S-223, S-231, and S-242) do not exceed Ringelmann 1.0 for more than 3 minutes in any hour, or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: Regulation 6, Regulation 1-301)
2. All of the particulate emissions emitted from the handling of cement for the sources identified in Part #1 shall flow under negative pressure to a Baghouse, A-216 (6-DC-13), A-217 (6-DC-15), A-221 (6-DC-6), A-231 (6-DC-3), A-242 (6-DC-11), respectively. Each Baghouse shall be equipped with a District approved manometer for measuring the pressure drop across the Baghouse. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall operate such that the outlet grain ~~loading~~ loading for each Baghouse A-217 and A-231 shall not exceed 0.006 grain/dscf. (Basis: Regulation 2-2-301.1 BACT)
4. The owner/operator shall operate such that the outlet grain loading for each Baghouse A-216, A-221, A-242 shall not exceed 0.0013 grain/dscf. (Basis: Cumulative Increase)
5. To demonstrate compliance with the emission limit in Part #4, the owner/operator shall perform a PM10 source test using CARB Method 501, USEPA Method 201/201A, or District approved equivalent at one of these abatement devices (A-216, A-221, or A-242), within 45 days of receiving the condition change for these sources. If the test result shows a failure to meet the limit in Part #4, then source tests shall also be performed on the other two abatement devices. The results shall be delivered to the District no later than 30 days from the date of the test. (basis: Regulation 2-1-403)
6. The owner/operator shall maintain daily records, in a District approved log, for the total hours of operation. The owner/operator shall maintain a quarterly record, in a District approved log, of the pressure drop. This log shall be retained for a period of at least five ~~two~~ years from date of first entry. This log shall be kept on site and made available to the District's staff upon request. (Basis: Cumulative Increase)

COND #4997

For S-218 Air Separator (6-SE-1)

1. The owner/operator shall not operate the Finish Mill 6-GM-1 (S-210) and Air Separator 6-SE-1 (S-218) unless the equipment is vented under negative pressure to

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respective Baghouse A-210 (6-DC-17) and A-218 (6-DC-19), respectively. (Basis: Regulation 2-2-212 Cumulative Increase)

2. The owner/operator shall ensure visible particulate emissions from S-218 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)
3. The owner/operator shall ensure the outlet grain loading for Baghouse A-218 does not exceed 0.006 grain/dscf. (Basis: Regulation 2-2-301.1 BACT)
4. Deleted, replaced by part 9
5. The owner/operator of S-218 shall not process more than 1.6 million short tons/year of clinker. Clinker may be imported only to make up production loss due to kiln down time in excess of 45 days in the last 365 days. Five thousand (5,000) tons for each day that the kiln is down in excess of 45 days may be imported. (Basis: Regulation 2-2-212 Cumulative Increase)
6. Deleted (Basis: Initial source test to demonstrate compliance with part 3 has been completed.)
7. The owner/operator of S-218 shall maintain daily records, in a District approved log, for the total throughput of cement and hours of operation. These records shall be retained for a period of at least five years from date of first entry. This log shall be kept on site and made available to the District's staff upon request. (Basis: Cumulative Increase)
8. Deleted. (Basis: Finish circuits #1, 2, 3, 4, &7 are no longer in existence.)
9. The owner/operator shall equip A-218 with a District-approved broken bag detection device, which shall include an alarm that is triggered when the device signals the current has exceeded 70% maximum allowable current limit. If the alarm is triggered, the owner/operator shall perform a Method 22 test within one hour of the alarm. Except for a 20 minute period after equipment startup and shutdown, if emissions are observed per Method 22, then the owner/operator shall record the event as an exceedance in a District-approved log. Any exceedance shall also be reported to the Director of Compliance and Enforcement in accordance with the requirements in Standard Condition I.F. (NESHAPS, Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)
10. The owner/operator shall keep the exceedance records for at least 5 years and shall make the records available to District staff upon request. (Regulation 2-6-501)

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COND #4998

For S-220 Finish Mill (6-GM-2)

1. The owner/operator shall not operate the Finish Mill 6-GM-2 (S-220) and Air Separator 6-SE-2) (S-211) unless the equipment is vented under negative pressure to respective Baghouse A-220 (6-DC-8) and Baghouse A-211 (6-DC-12, 14, 16, and 18), respectively. (Basis: Regulation 2-2-212 Cumulative Increase)
2. The owner/operator shall ensure visible particulate emissions from S-220 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)
3. The owner/operator shall ensure the outlet grain loading for Baghouse A-220 does not exceed 0.006 grain/dscf. (Basis: Regulation 2-2-301.1 BACT)
4. The owner/operator shall equip Baghouse A-220 with a District approved broken bag detection device equivalent to a Triboflow leak detector. (Basis: BACT, Cumulative Increase)
5. The owner/operator of S-220 shall not process more than 1.6 million short tons/year of clinker. Clinker may be imported only to make up production loss due to kiln down time in excess of 45 days in the last 365 days. Five thousand (5,000) tons for each day that the kiln is down in excess of 45 days may be imported. (Basis: Regulation 2-2-212 Cumulative Increase)
6. Deleted (Basis: Initial source test to demonstrate compliance with part 3 has been completed.)
7. The owner/operator of S-220 shall maintain daily records, in a District approved log, for the total throughput of cement and hours of operation. These records shall be retained for a period of at least five years from date of first entry. This log shall be kept on site and made available to the District's staff upon request. (Basis: Cumulative Increase)
8. Deleted (Finish circuits #1, 2, 3, 4, &7 are no longer in existence. Condition deleted.)
9. The owner/operator shall equip A-220 with a District-approved broken bag detection device, which shall include an alarm that is triggered when the device signals the current has exceeded 70% maximum allowable current limit. If the alarm is triggered, the owner/operator shall perform a Method 22 test within one hour of the alarm. Except for a 20 minute period after equipment startup and shutdown, if emissions are observed per Method 22, then the owner/operator shall record the event as an exceedance in a District-approved log. Any exceedance shall also be reported to the

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Director of Compliance and Enforcement in accordance with the requirements in Standard Condition I.F. (NESHAPS, Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)

10. The owner/operator shall keep the exceedance records for at least 5 years and shall make the records available to District staff upon request. (Regulation 2-6-501)

COND #4999

For S-230 Hydraulic Roller Press (6-RP-1)

1. The owner/operator shall ensure visible particulate emissions from S-230 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)
2. The owner/operator shall ensure all particulate emissions emitted from S-230 are routed under negative pressure to Baghouse A-230 (6-DC-2). (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall ensure the outlet grain loading for Baghouse A-230 does not exceed 0.006 grain/dscf. (Basis: Regulation 2-2-301.1 BACT)
4. The owner/operator shall equip Baghouse A-230 with a District approved broken bag detection device equivalent to a triboflow leak detector. (Basis: Cumulative Increase, BACT)
5. The owner/operator of S-230 shall not process more than 1.6 million short tons/year of clinker. Clinker may be imported only to make-up production loss due to kiln down time in excess of 45 days in the last 365 days. Five thousand (5,000) tons for each day that the kiln is down in excess of 45 days may be imported. (Basis: Regulation 2-2-212 Cumulative Increase)
6. Deleted (Basis: Initial source test to demonstrate compliance with part 3 has been completed.)
7. The owner/operator of S-230 shall maintain daily records, in a District approved log, for the total throughput of cement and hours of operation. These records shall be retained for a period of five years from date of first entry. This log shall be kept on site and made available to the District's staff upon request. (Basis: Cumulative Increase)
8. Deleted. (Basis: Sources S-22, S-23, S-24, S-25, S-26, S-27, S-28, S-31, S-32, S-33, S-34, S-35, S-38, S-41, S-42, S-44, S-51 and S-66 have been shutdown.)

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9. The owner/operator shall equip A-230 with a District-approved broken bag detection device, which shall include an alarm that is triggered when the device signals the current has exceeded 60% maximum allowable current limit. If the alarm is triggered, the owner/operator shall perform a Method 22 test within one hour of the alarm. Except for a 20 minute period after equipment startup and shutdown, if emissions are observed per Method 22, then the owner/operator shall record the event as an exceedance in a District-approved log. Any exceedance shall also be reported to the Director of Compliance and Enforcement in accordance with the requirements in Standard Condition I.F. (NESHAPS, Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)
10. The owner/operator shall keep the exceedance records for at least 5 years and shall make the records available to District staff upon request. (Regulation 2-6-501)

COND #6655

S-74 Type II Mechanical Transfer System

1. The owner/operator shall ensure visible particulate emissions from S-74 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in such quantities as to cause public nuisance per Regulation 1.301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)
2. The owner/operator shall ensure all of the particulate emissions emitted from the source flow under negative pressure to Baghouse A-58. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall equip the A-58 Baghouse with a District approved manometer to measure the pressure drop across the baghouse. (BACT, Cumulative Increase)
4. The owner/operator shall ensure the outlet grain loading for A-58 Baghouse does not exceed 0.006 grain/dscf. (Regulation 2-2-301.1 BACT)
5. Deleted
6. The owner/operator shall ensure the total hours of operation of Baghouse A-58 does not exceed 6656 hours in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
7. The owner/operator shall ensure the S-74 Type II Mechanical Transfer System is shutdown at all times when the Baghouse A-58 is not in operation. (Basis: Regulation 2-2-212 Cumulative Increase)

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8. The owner/operator shall ensure the total annual throughput of Portland ~~Cement~~ does not exceed 1,440,000 tons in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
9. The owner/operator of S-74 shall maintain daily records, in a District approved log, for the total throughput of cement at S-74 and the operating hours of Baghouse A-58. These records shall be retained for a period of at least five years from date of entry. This log shall be kept on site and made available to the District's staff upon request. (Basis: Cumulative Increase)

COND #7246

For S-342 Rock Plant Coarse Rock Crushers (8-CR-50 and 8-CR-51)

1. The owner/operator shall ensure visible particulate emissions from S-342 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)

The owner/operator shall ensure particulate matter emissions from S-342 are abated by A-342 Baghouse at all times that it is in operation. (Basis: Regulation 2-2-212 Cumulative Increase)

2. The owner/operator shall ensure the outlet grain loading for Baghouse A-342 (8-DC-52) does not exceed 0.0013 grain/dscf. (Basis: Regulation 2-2-301.1 BACT, Regulation 2-2-212 Cumulative Increase, Regulation 2-2-303 offsets)
3. The owner/operator shall equip Baghouse A-342 with a District approved broken bag detection device equivalent to a Triboflow leak detector. (Basis: Cumulative Increase, BACT)
4. Deleted (Basis: Initial source test to demonstrate compliance with part 2 has been completed.)
5. The owner/operator shall ensure the total throughput of overburden coarse rock processed at this new rock plant which includes Sources S-340, S-341, S-342, S-343, S-344, S-350, S-360, S-370, S-380, S-381, S-382, S-390, S-300 does not exceed 1,500,000 tons in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
6. The owner/operator shall ensure the total combined throughput of Overburden Coarse Rock, Aggregate Sub-Base Rock and Class 2 Base Rock processed from S-390 does not exceed 2,500,000 tons in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)

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7. The owner/operator shall ensure the total hours of operation at this new rock plant which includes Sources S-340, S-341, S-342, S-343, S-344, S-350, S-360, S-370, S-380, S-381, S-382, S-390, S-300 does not exceed 5660 hours in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
8. The owner/operator shall record, on a daily basis, the total throughput of rock to demonstrate compliance with parts 5 and 6 and the total hours of operation to demonstrate compliance with part 7. These totals shall be entered in a District approved log and retained for a period of at least five years from date of entry. These logs shall be kept on site and made available to the District upon request. (Basis: Cumulative Increase)
9. The daily totals shall be summarized monthly and entered into a District approved log. A quarterly summary report shall be submitted to the District by the 30th day of the month following the close of the quarter. It should include the total throughput and total hours of operation for the last four quarters. These records shall be retained on site and made available to District staff upon request. (Basis: Cumulative Increase)
10. The owner/operator shall equip A-342 with a District-approved broken bag detection device, which shall include an alarm that is triggered when the device signals the current has exceeded 60% maximum allowable current limit. If the alarm is triggered, the owner/operator shall perform a Method 22 test within one hour of the alarm. Except for a 20 minute period after equipment startup and shutdown, if emissions are observed per Method 22, then the owner/operator shall record the event as an exceedance in a District-approved log. Any exceedance shall also be reported to the Director of Compliance and Enforcement in accordance with the requirements in Standard Condition I.F. (NESHAPS, Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)
11. The owner/operator shall keep the exceedance records for at least 5 years and shall make the records available to District staff upon request.
(Regulation 2-6-501)

COND #7247

For S-340 Rock Plant Coarse Rock Withdrawal System 8-BC-50 and 8-BC-51), S 341 Screens (8-VS-50), S-343 Crushed Rock Conveyor (8-BC-53), and S-390 Conveyors (8-BC31 and 8-BC-32)

1. The owner/operator shall ensure visible particulate emissions from each source S-340, S-341, S-343, and S-390 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (BACT, Regulation 6-1-301, Regulation 1-301)

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- 2a. The owner/operator shall ensure all of the particulate emissions emitted from the handling of this overburden rock for the sources identified in Part #1 flow under negative pressure to a Baghouse A-340 (8-DC-50), A-341 (8-DC-51), A-390 (8-DC-30). (Basis: Cumulative Increase, BACT)
- 2b. The owner/operator shall equip each Baghouse with a District approved manometer for measuring the pressure drop across the Baghouse. (Basis: Cumulative Increase, BACT)
3. The owner/operator shall ensure the outlet grain loading for each Baghouse does not exceed 0.0013 grain/dscf. (Basis: Regulation 2-2-301.1 BACT, Regulation 2-2-212 Cumulative Increase, Regulation 2-2-303 Offsets)
4. Deleted (startup condition)
5. The owner/operator shall ensure the total throughput of overburden coarse rock processed at this new rock plant that includes Sources S-340, S-341, S-342, S-343, S-344, S-350, S-360, S-370, S-380, S-381, S-382, S-390, S-300 does not exceed 1,500,000 tons in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
6. The owner/operator shall ensure the total combined throughput of Overburden Coarse Rock, Sub-Base Rock and Class 2 Rock processed from S-390 does not exceed 2,500,000 tons in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
7. The owner/operator shall ensure the total hours of operation at this new rock plant that includes Sources S-340, S-341, S-342, S-343, S-344, S-350, S-360, S-370, S-380, S-381, S-382, S-390, S-300 does not exceed 5660 hours in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
8. The owner/operator shall record, on a daily basis, the total throughput of rock to demonstrate compliance with parts 5 and 6 and the total hours of operation to demonstrate compliance with part 7. These totals shall be entered in a District approved log and retained for a period of at least two years from date of entry. These logs shall be kept on site and made available to the District upon request. (Basis: Cumulative Increase)
9. The daily totals shall be summarized monthly and entered into a District approved log. A quarterly summary report shall be submitted to the District by the 30th day of the month following the close of the quarter. It should include the total throughput and total hours of operation for the last four quarters. These records shall be retained on site and made available to District staff upon request. (Basis: Cumulative Increase)

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COND #7248

For S-344 Rock Plant Wet Screen Feed Conveyor (8-BC-54)

1. The owner/operator shall ensure visible particulate emissions from S-344 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)
2. The owner/operator shall abate all of the particulate emissions emitted from the handling of this overburden rock for S-344 with water spray system A-350. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall ensure the A-350 water flow rate for the S-344 wet screen feed conveyor is of such quantity as to maintain material in a completely "surface-wet" condition (Basis: Regulation 2-2-212 Cumulative Increase)
4. The owner/operator shall ensure the total throughput of overburden coarse rock processed at S-344 does not exceed 1,500,000 tons in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
5. The owner/operator of S-344 shall record, on a daily basis, the total throughput of rock to demonstrate compliance with part 4 and the surface condition to demonstrate compliance with part 3. These records shall be entered in a District approved log and retained for a period of at least five years from date of entry. These logs shall be kept on site and made available to the District upon request. (Basis: Cumulative Increase)

COND #7249

For S-350 Rock Plant Wet Screen (8-VS-51)

1. The owner/operator shall ensure visible particulate emissions from S-350 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)
2. The owner/operator shall abate all of the particulate emissions emitted from the handling of this overburden rock for S-350 with water spray system A-350. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall ensure the A-350 water flow rate for the S-350 wet screen is of such quantity as to maintain material in a completely "surface-wet" condition. (Basis: Regulation 2-2-212 Cumulative Increase)
4. The owner/operator shall maintain the material found at this source in a completely "surface-wet" condition. (Basis: Regulation 2-2-212 Cumulative Increase)

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5. The owner/operator of S-350 shall record, on a daily basis, the surface condition to demonstrate compliance with part 4. These records shall be entered in a District approved log and retained for a period of at least five years from date of entry. These logs shall be kept on site and made available to the District upon request. (Basis: Cumulative Increase)

COND #7250

For S-360 Rock Plant Wet Aggregate Loadout System (8-BC-62, 8-SS-60 through 65)

1. The owner/operator shall ensure visible particulate emissions from S-360 donot exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)
2. The owner/operator shall abate all of the particulate emissions emitted from the handling of this overburden rock for S-360 with water spray system A-360. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall ensure the A-360 water flow rate for the S-360 wet aggregate loadout system is of such quantity as to maintain material in a completely "surface-wet" condition (Basis: Regulation 2-2-212 Cumulative Increase)
4. The owner/operator shall maintain the material found at this source in a completely "surface-wet" condition. (Basis: Regulation 2-2-212 Cumulative Increase)
5. The owner/operator of S-360 shall record, on a daily basis, the surface condition to demonstrate compliance with part 4. These records shall be entered in a District approved log and retained for a period of at least five years from date of entry. These logs shall be kept on site and made available to the District upon request. (Basis: Cumulative Increase)

COND #7251

For S-370 Rock Plant Class 2 Aggregate Additive Transfer System (8-BC-35 & 8-BC-37), S-380 Sand Transfer Hopper (8-SC-70), S-381 Sand Storage Pile, S-382 Water Clarifying Fines System (8-CLAR-70, 8-BP-70, 8-BC-70, 8-BC-71)

1. The owner/operator shall ensure visible particulate emissions from each source (S-370, S-380, S-381 S-382) donot exceed Ringelmann 1.0 for more than 3 minutes in any or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)

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2. The owner/operator shall keep the sand and aggregate material handled in S-370 surface wet at all times through the use of respective water spray system A-370. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall keep all unpaved roadways connected with S-370, S-380, S-381 and S-382 wet through the use of a haul road sprinkler system. The discharged water shall contain a chemical suppressants. (Basis: Regulation 2-2-301.1 BACT)
4. The owner/operator shall maintain the material found at this source in a completely "surface-wet" condition. (Basis: BACT, Regulation 1-301)
5. The owner/operator of these sources shall record, on a daily basis, the surface condition to demonstrate compliance with part 4. These records shall be entered in a District approved log and retained for a period of at least five years from date of entry. These logs shall be kept on site and made available to the District upon request. (Basis: Cumulative Increase)

COND #7252

For S-300 Rock Plant Four Wet Aggregate Storage Piles

1. The owner/operator shall ensure visible particulate emissions from S-300 do not exceed Ringelmann 1.0 for more than 3 minutes in any or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-301, Regulation 1-301)
2. The owner/operator shall abate the four wet aggregate storage piles (S-300) with A-300 water spray system. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall ensure the A-300 water flow rate is of sufficient quantity over the four storage piles and the system operates frequently enough to maintain the surface moisture of the storage piles. (Basis: Regulation 2-2-212 Cumulative Increase)
4. The owner/operator shall maintain the material found at this source in a completely "surface-wet" condition. (Basis: Regulation 2-2-212 Cumulative Increase)
5. The owner/operator shall ensure the total throughput of product added to these stockpiles does not exceed a combined total of 1,500,000 tons in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
6. The owner/operator of S-300 shall record, on a daily basis, the total throughput of rock to demonstrate compliance with part 5 and the surface condition to demonstrate compliance with part 4. These records shall be entered in a District approved log and retained for a period of at least five years from date of entry. These logs shall be kept on site and made available to the District upon request. (Basis: Cumulative Increase)

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COND #7523

For S-1 Gasoline Dispensing Station

1. Pursuant to BAAQMD Regulation 2-5, the owner/operator shall ensure the facility's annual gasoline throughput does not exceed 400,000 gallons in any consecutive 12-month period. (Basis: Regulation 2-5)

COND #7837

For S-301 Rail Loadout System

1. The owner/operator shall ensure the total throughput of cement at S-301 does not exceed 312,000 tons in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
2. The owner/operator shall ensure visible particulate emissions from S-301 does not exceed Ringelmann 1.0 for more than 3 minutes in any or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6-1-30, Regulation 1-301)
3. The owner/operator shall ensure the particulate emissions emitted from the operation of the rail loadout system (S-301) are routed under negative pressure to Baghouse A-301 (7-DC-9). (Basis: Regulation 2-2-212 Cumulative Increase)
4. The owner/operator shall equip the Baghouse A-301 with a District approved manometer for measuring the pressure drop across the baghouse. (Regulation 2-2-212 Basis: Cumulative Increase)
5. The owner/operator shall ensure the outlet grain loading for Baghouse A-301 does not exceed 0.01 grain/dscf. (Basis: Regulation 2-2-212 Cumulative Increase)
6. The owner/operator shall ensure the total hours of operation at S-301 does not exceed 2080 hours in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
7. The owner/operator of S-301 shall record, on a daily basis, the total throughput of cement to demonstrate compliance with Part 1 and the total hours of operation to demonstrate compliance with Part 6. These totals shall be entered into a District approved log and retained for a period of at least five years from date of entry. These logs shall be kept on site and made available to District staff upon request. (Basis: Cumulative Increase)

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COND #11780

For Source 154 Cement Kiln, Plant 17

The following federally enforceable conditions limit the emissions of nitrogen oxides (NOx) from the cement manufacturing facility operated by the owner/operator, Lehigh Southwest Cement Company (previously Hanson Permanente Cement, Inc.) located at 24001 Stevens Creek Boulevard, Cupertino, Cal. 95014, for the purpose of complying with Section 182(f) of the Federal Clean Air Act. These conditions represent reasonably available control technology for this activity.

A) Definitions: (Basis: CAA Section 182(f) – RACT)

1. Breakdowns shall be handled according to provisions established in BAAQMD, Regulation 1, Section 112 and Section 431 through 434. (Basis: RACT)
2. Cement Kiln is a device for the calcining and clinkering of limestone, clay and other raw materials in the manufacture of cement. (Basis: Applicability)
3. Clinker is a mass of fused material produced in a cement kiln from which the finished cement is manufactured by milling and grinding. (Basis: Applicability)
4. Start-up is that period of time when fuel is first introduced into the kiln to heat it and when the kiln operating temperature reaches normal operating limits and raw material feed begins. A startup period shall not last longer than during which a cement kiln is heated to operating temperature from a lower temperature not to exceed 36 hours. (Basis: RACT)
5. Short ton is equivalent to 2,000 pounds. (Basis: Compliance Verification Component)
6. Shut-down is that period of time when kiln raw material feed and fuel to the kiln begin to be decreased to reduce the kiln operating temperature until both feed and fuel are no longer fed into the kiln and it has ceased operation. A shutdown period shall not last more than during which a cement kiln is allowed to cool from operating temperature to a lower temperature not to exceed 36-24 hours. (Basis: RACT)

B) Production Limits: (Basis: Regulation 2-2-212)

1. The owner/operator shall not process more than 1.6 million short tons per year of clinker.
(Basis: Regulation 2-2-212 Cumulative Increase)
2. The owner/operator shall ensure the total throughput of aqueous ammonia hydroxide at S-154 does not exceed 1,850,000/2,450,000 gallons in any calendar year. (Basis: Regulation 2-2-212 Cumulative Increase)

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- ~~3. The owner/operator shall not exceed 310-410 ammonia hydroxide delivery trucks in any consecutive 12 month period. (Basis: Cumulative Increase)~~
- ~~4. To determine compliance with the above parts, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
 - a. Total monthly hours of operation.
 - b. The monthly hours of operation shall be totaled on a yearly basis.
 - c. The total daily throughput of clinker and monthly throughput of ammonia hydroxide.
 - d. Total monthly number of truck for ammonia hydroxide delivery and their delivery times.All records shall be retained on-site for at least five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase)~~
- ~~2. The owner/operator shall ensure particulate matter emissions from S-154 are abated by A-141, A142, A-171 and A172 Baghouses at all times that it is in operation. (Basis: Regulation 2-2-212 Cumulative Increase)~~

C) Emission Limits: (Basis: Regulation 2-2-212)

- ~~1. The maximum allowable emission rate for Nitrogen Oxides from all kiln emission points shall not exceed both (i) 1158 lb/hour and (ii) a maximum concentration of 615 ppm (dry basis) without correction for oxygen, both measured as an average over a 2 hour period. (Basis: RACT) Deleted, replaced by Part C3.~~
- ~~2. The kiln emission points affected include the stacks venting the kiln mill system (dust collector 4 DC 7 through 4 DC 38), the kiln coal mill exhaust (dust collector 5 DC 5) and the precalciner coal mill exhaust (dust collector 5 DC 6). (Basis: RACT) Deleted, emission points definition.~~
- ~~3. The emission of Nitrogen Oxides into the atmosphere shall not exceed 6.42.3 lb/ton of clinker as determined on a 24 hour basis and averaged over any 30 operating rolling average consecutive days of operation. (Basis: Regulation 9-13ACT)~~
- ~~4. The owner/operator of S-154 shall not exceed the six month, 24-hour rolling average (average (or 182-day rolling average) of 106270 ppmv of ammonia, dry at 7% oxygen (96 ppmv baseline plus 10 ppmv ammonia slip)). This ammonia limit serves as an indication that A-157, Selective Non-catalytic Reduction (SNCR) system, may not be performing adequately. The owner/operator shall report any exceedance in the form of a permit application within 30 days of discovery to determine whether an ammonia slip exceedance has occurred. (Basis: Cumulative, Regulation 9-13). baseline emission level by more than 10 ppmv of ammonia, dry at 7% O₂ on a 24 hour rolling average. The baseline ammonia must be established before the permit to operate for SNCR is issued.~~

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5. The owner/operator of S-154 Cement Kiln shall abate the NOx emissions from S-154 at all times it is in use with properly maintained A-157 Selective Non-Catalytic Reduction (SNCR) System. (Basis: Cumulative Increase, Regulation 9-13)

D) Compliance Determination: (Basis: RACT)

1. All emission determinations shall be made in the as-found operating condition, except no compliance determination shall be established during or using periods of start-up, shut-down, or under breakdown conditions. (Basis: RACT)
2. For the purposes of mass emission limits, Nitrogen Oxides (NOx) shall be calculated as NO2 on a dry basis. (Basis: RACT)
3. The following expression shall be used to convert uncorrected observed volume in parts per million of NOx to pounds of NOx per hour produced at standard conditions of 70 degrees F. and 29.92 inches of mercury: (Basis: RACT)

$$[(\text{PPMvNOx})(46\text{lb/lb mole})(\text{Exhaust Flow Rate, scfm})(60 \text{ min/hr}) / [386 \text{ cf/lb mole} * 1\text{E}6]] = \text{lbs NOx/hr}$$

~~The exhaust flow rate using the readings from four new flow meters is calculated as follows:~~

$$[(\text{flow11} + \text{flow26})/2] * 20 + [(\text{flow19} + \text{flow34})/2] * 12 - [(\text{flow11} + \text{flow19} + \text{flow26} + \text{flow34})/4] * 2 = \text{Exhaust Flow Rate}$$

~~There are 20 units that filter process air and exhaust to ambient~~

~~There are 12 units that filter process air and send approximately 85% to ambient and 15% to cleaning units~~

~~There are 2 units that are cleaning at any one time~~

E) Monitoring and Records: (Basis: RACT)

1. The owner/operator shall maintain in good working order and operate an in-stack continuous emission monitoring system (CEMS) to demonstrate compliance with the emission limit in ~~Parts C.43 and C.4~~ by measuring the emission of nitrogen oxides (NOx). The in-stack continuous emission monitoring system shall be located on an emission point of ~~one of the Kiln (P-154)-Mill baghouses~~ and shall continuously monitor and record NOx ~~and NH3~~ emissions in a manner approved by the APCO and the EPA Administrator whenever the kiln is operating as defined in Part D.1. above. (Basis: Cumulative Increase)
2. The owner/operator shall maintain daily records of clinker production and heat input including the type of fuel burned and the quantity of fuel burned expressed as millions of BTU per ton of clinker. The amount of clinker produced shall be totaled so that the limit in Part B is not exceeded. (Basis: RACT)

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3. The owner/operator shall maintain hourly continuous emission monitoring records for the NOx and NH3 monitoring systems in a form suitable for inspection and approved by the APCO and the EPA administrator. Such records shall include, but are not limited to: (Basis: RACT)
 - (i) The continuous emission monitoring measurements for NOx expressed in ppm;
 - (ii) The date, time, and duration of any start-up, shutdown or malfunction in the operation of any of the kiln systems or the emission monitoring equipment; and,
 - (iii) The results of performance testing, evaluation, calibration, checks, adjustments, and maintenance of the continuous emission monitoring system.
4. The CEMS records as well as records of clinker production and heat input shall be maintained at the facility for five years and shall be available to the APCO or the EPA Administrator upon request.
(Basis: Cumulative Increase)

F) Manual of Procedures

1. Determination of Nitrogen Oxides: The methods by which samples of exhaust gases are collected and analyzed to determine concentrations of nitrogen oxides are set forth in the District Manual of Procedures, Volume IV, ST-13A or 13B. EPA Method 7E may also be used to determine compliance. A source shall be considered in violation if the emissions measured by any of the referenced test methods exceed the standards of this rule. (Basis: Manual of Procedures, Volume IV)

Determination of ammonia: The methods by which samples of exhaust gases are collected and analyzed to determine concentration of ammonia are set forth in the District Manual of Procedure, Volume IV, ST-1B and EPA method 350.3 and by the parametric monitors that have been installed pursuant to Section 9-13-501 and meet the requirements of EPA Preliminary Performance Specification PPS-001 for Ammonia CEMs.

2. The CEMS must meet the requirements of District Manual of Procedures, Volume V, Continuous Emission Monitoring, Policy and Procedures. (Basis: Regulation 1-522, 1-602; Manual of Procedures, Volume V)

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COND #13900

For S-412 Finish Mill (6-GM-3)

1. The owner/operator shall not operate the Finish Mill S-412 unless the equipment is vented under negative pressure to respective Baghouse A-218 (6-DC-19). (Basis: Regulation 2-2-212 Cumulative Increase)
2. The owner/operator shall ensure visible particulate emissions from S-412 do not exceed Ringelmann 1.0 for more than 3 minutes in any or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: Cumulative Increase, BACT, Regulation 6-1-301, Regulation 1-301)
3. The owner/operator shall ensure the outlet grain loading for Baghouse A-218 does not exceed 0.006 grain/dscf. (Basis: Regulation 2-2-301.1 BACT)
4. The owner/operator shall equip Baghouse A-218 with a District approved broken bag detection device equivalent to a Triboflow leak detector. (Basis: Regulation 2-2-301.1 BACT)
5. The owner/operator of S-412 shall not process more than 1.6 million short tons/year of clinker. Clinker may be imported only to make up production loss due to kiln down time in excess of 45 days in the last 365 days. Five thousand (5,000) tons for each day that the kiln is down in excess of 45 days may be imported. (Basis: Regulation 2-2-212 Cumulative Increase)
6. The owner/operator of S-412 shall maintain daily records, in a District approved log, for the total throughput of ground material and hours of operation. These records shall be retained for a period of at least five years from date of first entry. This log shall be kept on site and made available to the District's staff upon request. (Basis: Cumulative Increase)
7. The owner/operator shall equip A-218 with a District-approved broken bag detection device, which shall include an alarm that is triggered when the device signals the current has exceeded 70% maximum allowable current limit. If the alarm is triggered, the owner/operator shall perform a Method 22 test within one hour of the alarm. Except for a 20 minute period after equipment startup and shutdown, if emissions are observed per Method 22, then the owner/operator shall record the event as an exceedance in a District-approved log. Any exceedance shall also be reported to the Director of Compliance and Enforcement in accordance with the requirements in Standard Condition I.F. (NESHAPS, Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)
8. The owner/operator shall keep the exceedance records for at least 5 years and shall make the records available to District staff upon request. (Regulation 2-6-501)

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COND #13982

For S-414 Finish Mill Additive Bin (6-SS-13)

1. The owner/operator shall ensure visible particulate emissions from S-414 do not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 1-301)
2. The owner/operator shall ensure all of the particulate emissions emitted from S-414 flow under negative pressure to Baghouse A-413 (6-DC-25). The owner/operator shall equip this Baghouse with a District approved manometer for measuring the pressure drop across the Baghouse. Each manometer shall be checked for proper operation at least once every month. (Basis: Regulation 6-1-301, 6-1-310, 6-1-311, Regulation 2-1-403)
3. The owner/operator shall ensure the outlet grain loading for Baghouse A-413 does not exceed 0.0013 grain/dscf. (Basis: Regulation 2-2-212 Cumulative Increase)
4. The owner/operator shall ensure the total throughput of additives and Kiln Mill Dust Collector (KMDC) dust from S-414 to the S-210 Finish Mill does not exceed 42,775 tons in any calendar year. (Basis: Regulation 2-2-212 Cumulative Increase)
5. To determine compliance with the above parts, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
 - a. Total monthly hours of operation.
 - b. The monthly hours of operation shall be totaled on a yearly basis.
 - c. The total monthly throughput of KMDC dust and/or other additives.All records shall be retained on-site for five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase)
6. The owner/operator shall inspect Baghouse, A-413 monthly to ensure proper operation. The following items shall be checked:
 - a. The pressure drop across the baghouse shall be checked monthly. The pressure drop shall be no lower than 0.5 inches of water and no greater than 8 inches of water.
 - b. The baghouse exhaust shall be checked monthly for evidence of particulate breakthrough. If breakthrough is evident from plume observations, dust buildup near the stack outlet, or abnormal pressure drops, the filter bags shall be checked for any tears, holes, abrasions, and scuffs, and replaced as needed.
 - c. All hoppers shall be discharged in a timely manner to maintain compliance with 6(a) above.
 - d. The pulsejet, shaker cleaning system shall be maintained and operated at sufficient intervals to maintain compliance with 6(a) above.

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(Basis: Regulation 2-1-403)

7. In order to demonstrate compliance with the above permit conditions, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which a record is made.
 - a. Records of all inspections and all maintenance work including bag replacement for the baghouse. Records of each inspection shall consist of a log containing the date of inspection and the initials of the personnel that inspects the baghouses.
(Basis: Regulation 1-441)
8. Not later than 60 days from the startup of A-413, and once every five years thereafter, the owner/operator shall conduct an initial District approved source tests to determine compliance with the limit in Part 3. The owner/operator of A-413 shall analyze for all toxic metals present in the KMDC dust initially and annually, thereafter. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. (Basis: BACT, Cumulative Increase)
9. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. (Basis: Cumulative Increase)

COND #16109

For S-17 Clinker Transfer (6-BC-3, 6-BC-6, 6-BC-7), S-45 West Silo Top Cement Distribution Tower, S-46 Middle Silo Top Cement Distribution Tower, S-47 East Silo Top Cement Distribution Tower, S-48 Bulk Cement Loadout Tanks #1 and #2, S-49 Bulk Cement Loadout Tank #28, S-50 Bulk Cement Loadout Tank #29, S-54 Cement Packer #1, S-55 Cement Packer #2, S-167 Lime Bin, and S-168 Activated Carbon Storage Silo.

Amended by A/N 21753 and A/N 22953

1. The owner/operator shall ensure visible particulate emissions from each source S-17, S-45, S-46, S-47, S-48, S-49, S-50, S-54, S-55, S-56 do not exceed Ringelmann 1.0 for more than 3 minutes in or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301.
(Regulation 1-301, Regulation 6-1-301, BACT)
2. The owner/operator shall ensure all of the particulate emissions emitted from the handling of cement for the sources identified in part #1 flow under negative or positive pressure to the corresponding baghouse (s) (A-420 through A-436). (Regulation 2-2-212 Cumulative increase, BACT)
3. The outlet grain loading for each baghouse shall not exceed 0.006 grains/dscf.

VI. Permit Conditions

(Cumulative Increase, Regulation 2-2-301.1 BACT))

4. Deleted (Source test requirement has been met).
5. The owner/operator of S-48, S-49, S-50, S-54, S-55, S-167 and S-168 shall not load cement out and deliver hydrated lime and powdered activated carbon more than its percent maximum throughput of current trucks, a maximum of 70,000 cement/hydrated lime/powdered activated carbon trucks loaded/unload to capacities (limited by current law on cement trucks maximum tonnage and this facility's cap on cement production), in any consecutive twelve month period. (Regulation 2-2-212 Cumulative increase)
7. ~~6.~~ The owner/operator shall maintain in, a District approved log, monthly records of the total number of cement trucks loaded, hydrated lime and powdered activated carbon trucks received and unloaded, the total amount of cement loaded out in the cement trucks and the total amount of hydrated lime and powdered activated carbon unloaded. These records shall be retained for a period of at least five years. The logs shall be kept on site and made available to District staff upon request. (Cumulative Increase)

COND #18475

For S-19 Clinker Storage Area

1. The owner/operator shall ensure the total throughput of material stored in the S-19 Clinker Storage Area shall not exceed a total of 1.75 million tons in any 365 consecutive day period. (Basis: Regulation 2—2-212 Cumulative Increase)
2. The owner/operator shall ensure particulate matter emissions from the S-19 Clinker Storage Area are abated by Baghouses number A-447, A-448, A-449 and A-450 at all times that it is in operation. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall equip each baghouse (A-447, A-448, A-449, A-450) with a District-approved manometer to measure the pressure drop across the baghouse. (Basis: Cumulative Increase)
4. The owner/operator shall ensure this operation does not emit emissions in sufficient quantities as to cause a public nuisance under Regulation 1-301. (Basis: Regulation 1-301 Public Nuisance)
5. The owner/operator shall ensure no air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour that is dark or darker than opacity 1.0 for more than 3 minutes. (Basis: BACT, Regulation 6-1-301, Cumulative Increase)

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6. The total throughput of material processed, by weight, in tons, shall be recorded on a quarterly basis in a District approved log. This record shall be retained for a period of at least five years from date of entry. The log shall be kept on site and made available to the District staff upon request. (Basis: Cumulative Increase)

Condition #20666

For Source:

S-1 Gasoline Dispensing Facility

1. The OPW EVR Phase I Vapor Recovery System, including all associated plumbing and components, shall be operated and maintained in accordance with the most recent version of California Air Resources Board (CARB) Executive Order VR-102. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.
2. The owner or operator shall conduct and pass a Rotatable Adaptor Torque Test (CARB Test Procedure TP201.1B) and either a Drop Tube/Drain Valve Assembly Leak Test (TP201.1C) or, if operating drop tube overflow prevention devices ("flapper valves"), a Drop Tube Overflow Prevention Device and Spill Container Drain Valve Leak Test (TP201.1D) at least once in each 36-month period. Measured leak rates of each component shall not exceed the levels specified in VR-102. Results shall be submitted to BAAQMD within 15 days of the test date in a District-approved format.

Condition #20751

For Sources: S-17 Clinker Transfer, S-19 Clinker Storage Area, S-21 Roll Press Clinker Surge Bin and Feeder, S-45 West Silo Top Cement Distribution Tower, S-46 Middle Silo Top Cement Distribution Tower, S-47 East Silo Top Cement Distribution Tower, S-48 Bulk Cement Loadout Tanks #1 and #2, S-49 Bulk Cement Loadout Tank #28, S-50 Bulk Cement Loadout Tank #29, S-54 Cement Packer #1, S-55 Cement Packer #2, S-74 Type II Mechanical Transfer System, S-111 Rail Unloading System, S-112 Additive Hooper Transfer System, S-113 Additive Bin Transfer Facilities, S-115 Additive Storage Tripper, S-123 Rock Conveying System Area 2, S-131 Rock Sampling System Area 3, S-132 Preblend [Dome](#), S-134 Preblend Storage Bin 4-S-1 and 4-S-2, S-135 High grade Storage Bin 4-S-3 and 4-S-4, S-141 Raw Mill [1](#) 4-GM-1, S-142 Raw Mill 2 4-GM-2, S-143 Raw Mill 1 Separator System 4-SE-3, S-144 Raw Mill 2 Separator [System Circuit](#) 4-SE-~~34~~, S-151 Homogenizer 5-S-1 and 5-S-2, S-153 Kiln Feed System, S-154 Precalciner Kiln, S-161 Clinker Cooler, S-162 Clinker Silo A, S-163 Clinker Silo B, S-164 Free lime Storage Bin, S-165 Clinker Transfer System, S-171 Kiln Fuel Mill System, S-172 Precalciner Fuel Mill System, S-216 Clinker Cake Conveyor, S-217 Clinker Cake Conveyor, S-218 6-GM-1 Air Separator, S-221 Clinker Cake Feeder, S-222 Gypsum Feeder, S-231 Pressed Cake Bin, S-240 Additive Conveyor/Bins, S-242 Clinker Cake Feeder, S-243 Gypsum Feeder, S-244 Pozzolan Feeder, S-245 Clay Feeder, S-301 Rail Loadout System, S-340 Rock Plant Coarse Rock Withdrawal System, S-341 Screens, S-343 Crushed Rock Conveyor, S-390 Conveyors, ~~and S-415 Finish Mill Building~~

VI. Permit Conditions

Conveyor

1. The owner/operator shall abate each of these sources with their respective Dust Collectors or Baghouses at all times whenever these sources are in operation. (Regulation 2-2-212 Cumulative Increase)

The owner/operator shall equip each of the following baghouses with a District approved manometer for measuring the pressure drop or differential across the baghouse.

A-10, A-13, A-58, A-111 to A-115, A-121, A-122, A-123, A-131 to A-135, A-141, A-142, A-143, A-144, A-151, A-152, A-153, A-161 to A-165, A-171, A-172, ~~A-190~~, A-216, A-217, A-218, A-221, A-222, A-231, A-240, A-242, A-243, A-244, A-245, A-301, A-340, A-341, A-390, ~~A-415~~, A-420, A-430, A-431, A-433 to A-436 and A-447.

(Regulation 2-6-503)

2. The pressure drop range for correct operation is between 0 and 10 inches water for the following baghouses:

A-111 to A-115, A-123, A-131 to A-135, A-216, A-217, A-221, A-222, A-231, A-240, A-242, A-243, A-244, A-245, A-301, A-340, A-341, A-390, ~~A-415~~, A-430 and A-431. (Basis: Regulation 2-6-503)

3. The pressure drop for the following sources shall be recorded on at least a quarterly basis.

A-111 to A-115, A-123, A-131 to A-135, A-216, A-217, A-221, A-222, A-231, A-240, A-242, A-243, A-244, A-245, A-301, A-340, A-341, A-390, ~~A-415~~, A-430 and A-431.

(Regulation 2-6-503)

4. If a pressure drop is exceeded, a Method 22 shall be conducted. If visible emissions are observed, the exceedance of the pressure drop limit and visible emission shall be reported to the Director of Compliance and Enforcement in accordance with the requirements in Standard Condition I.F. (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)

5. The owner/operator shall inspect each baghouse completely on an annual basis. The owner/operator shall keep a record of all annual inspections and any corrective action taken. (Basis: Regulation 2-6-503)

6. The owner/operator shall keep the records required by parts 3 and 5 for at least 5 years and shall make the records available to District staff upon request. (Basis: Regulation 2-6-501 Recordkeeping)

VI. Permit Conditions

Condition 20753

For S-111 Rail Unloading System Area 1, S-112 Additive Hopper Transfer System Area 1, S-113 Additive Bin Transfer Facilities Area 1, S-115 Additive Storage Tripper, S-123 Rock Conveying System Area 2, S-131 Rock Sampling System Area 3, S-132 Preblend Dome, S-134 Preblend Storage Bin, S-135 High grade Storage Bin, S-141 Raw Mill 1 4-GM-1, S-142 Raw Mill 2 4-GM-2, S-161 Clinker Cooler, S-222 Gypsum feeder (6-WF-4), S-240 Additive Conveyor/bins, S-243 Gypsum Feeder (6-WF-9), S-244 Pozzolan Feeder (6-WF-7), S-245 Clay Feeder (6-WF-5)

1. The owner/operator shall use EPA Method 22 to conduct visible emission monitoring on at least a quarterly basis for the following baghouses to ensure compliance with BAAQMD Regulation 6-301.
A-111 to A-115, A-123, A-131 to A-135, A-222, A-240, A-243, A-244, A-245
(Regulation 2-6-503)
2. The owner/operator shall use EPA Method 9 to conduct visible emission monitoring on at least a daily basis for the following baghouses to ensure compliance with BAAQMD Regulation 6-301.
A-141, A-142, A-161
(Regulation 2-6-503)
3. The owner/operator shall maintain records of the visible emissions monitoring in a District-approved log for at least 5 years from the date of each record and make the records available to the District upon request. (Regulation 2-6-501)

COND #21025

**For S-600 Quarry and Mobile Operations
Application # 7578**

1. The owner/operator of S-600 shall not emit emissions in sufficient quantities as to cause a public nuisance under Regulation 1-301.
(Basis: Regulation 1-301 Public Nuisance)
2. The owner/operator of S-600 shall not discharge any air contaminant into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour that is dark or darker than Ringelmann 1.0 or equivalent to 20% opacity.
(Basis: Regulation 6-301)
3. The owner/operator shall record the total tons of explosives used in a District approved log on a monthly basis. The Owner/Operator shall retain this record for a period of at least five years from date of entry. The Owner/Operator shall keep this log on site and make it available to the District staff upon request.
(Basis: Recordkeeping)

VI. Permit Conditions

~~COND #21345~~

~~—Conditions for S-415, at Plant #17, A/N 8682~~

- ~~1. The owner/operator shall ensure the total annual throughput of material does not exceed 9,900 tons during any consecutive 12-month period. (Regulation 2-2-212 Cumulative Increase)~~
- ~~2. The owner/operator shall ensure properly maintained Dust Collector A-415 abates emissions from S-415 at all times that S-415 is in operation. (Cumulative Increase)~~
- ~~3. The owner/operator shall ensure the outlet grain loading of A-415 Dust Collector does not exceed 0.006 grains/dscf. (Regulation 2-2-212 Cumulative Increase)~~
- ~~4. The owner/operator shall ensure the total hours of operation of S-415 does not exceed 900 hours in any consecutive 12-month period. (Regulation 2-2-212 Cumulative Increase)~~
- ~~5. In order to demonstrate compliance with the above permit conditions, the owner/operator shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least 5 years from the date on which a record is made.~~
 - ~~a. Total daily throughput of product~~
 - ~~b. Total daily hours of operation~~
 - ~~c. The daily throughput of product and hours of operation shall be totaled on a monthly basis. (Cumulative Increase)~~

COND #24375

Conditions for S-501 and S-502 Emergency Standby Diesel Generator Sets

1. The owner/operator shall not exceed 20 ~~hours~~ perhours per year per engine for reliability-related testing. [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]
2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited. [Basis: BAAQMD Regulation 9-8-330, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]

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3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1)]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. Fuel usage for each engine(s). [Basis: BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g)]

Condition # 23416

For S-444 Emergency Clinker Diversion Conveyor

1. The owner/operator shall ensure visible particulate emissions from S-444 do not exceed Ringelmann 1.0 or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: Regulation 1-301)
2. The owner/operator shall ensure all of the particulate emissions emitted from the handling of clinker for S-444 are abated by water spray system A-444. (Basis: Regulation 2-2-212 Cumulative Increase)
3. The owner/operator shall ensure the total throughput of clinker processed at S-444 does not exceed 75,000 tons in any rolling 365 consecutive day period. (Basis: Regulation 2-2-212 Cumulative Increase)
4. The owner/operator of S-444 shall record, on a daily basis, the total throughput of clinker to demonstrate compliance with part 3. These records shall be entered in a District approved log and retained for a period of at least five years from date of entry. These logs shall be kept on site and made available to the District upon request. (Basis: ~~Cumulative~~; Cumulative Increase)

~~CONDITION #23896~~

~~— For:~~

~~— S-601 Rock Hopper (9-DH-1) abated by Water Spray A-4501~~

~~— S-602 Conveyor System (9-PAF-1, 9-BC-1, 9-BC-2) abated by Water Spray A-4501~~

~~— S-603 Vibrating Grizzly (9-VG-1) abated by Water Spray A-4501~~

- ~~1. The owner/operator shall abate each of these sources with their respective abatement devices as listed above. (Basis: Regulation 2-2-212 Cumulative Increase)~~

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- ~~2. Visible particulate matter emissions from these sources shall not exceed Ringelmann 1.0 or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: Cumulative Increase, Regulation 6, Regulation 1-301)~~
- ~~3. Deleted. (Source has been cancelled)~~
- ~~4. The owner/operator of these sources shall maintain daily records, in a District approved log, for the total throughput of ground material and hours of operation. These records shall be retained for a period of at least five years from date of first entry. This log shall be kept on site and made available to the District's staff upon request. (Basis: Cumulative Increase)~~
- ~~5. Deleted. (Source has been cancelled)~~
- ~~6. Deleted. (Source has been cancelled)~~
- ~~7. Deleted. (Source has been cancelled)~~
- ~~8. Deleted. (Source has been cancelled)~~

Condition #23942

S-100 Precalciner Fuel Handling System abated by A-100 Water Sprays

S-100 includes (3) hoppers with (3) water spray systems and associated conveyors

1. The owner/operator shall not discharge an air contaminant into the atmosphere for a period or periods aggregating more than 3 minutes in any hour, which is as dark or darker than a Ringelmann 1.0. (basis: Regulation 6-301)
2. The owner/operator shall abate each hopper at S-100 with its own water sprays, A-100, whenever material is loaded into the hopper. (basis: Cumulative Increase)
3. All control equipment shall be maintained and kept in good operating condition at all times. (basis: Cumulative Increase)
4. The owner/operator shall maintain records of monthly throughput at S-100 for the following materials in a District approved log:
 - a. Coal
 - b. Coke
 - c. Raw Material Additives

The owner/operator shall keep this log on site for at least five years from the date of entry and make it available to District staff upon request. (basis: Cumulative Increase)

Condition # 24274

For S-606 Storage Piles Area #1, S-607 Storage Piles Area #2.

VI. Permit Conditions

1. The owner/operator shall not exceed the following throughput limits in any consecutive 12-month period:
 - S-606 198,400 short tons/yr coal
 - 171,034 short tons/yr coke
 - 60,000 short tons/yr Bauxite
 - 50,000 short tons/yr Iron Ore
 - S-607 20,000 short tons/yr 1" aggregate
 - 200,000 short tons/yr ¼" aggregate
 - 20,000 short tons/yr slag

(basis: Cumulative Increase)
2. The owner/operator shall not discharge an air contaminant into the atmosphere for a period or periods aggregating more than 3 minutes in any hour, which is as dark or darker than a Ringelmann 1.0. (basis: Regulation 6-301)
3. The owner/operator shall abate S-606 and S-607 Storage Piles as necessary with A-606 and A-607 Water Sprays, respectively, to maintain compliance with Part 2 of this condition. (basis: Cumulative Increase)
4. The owner/operator shall maintain a District approved log on a monthly basis for material throughput at each source. The owner/operator shall keep this log on site for at least five years from the date of entry and make it available to District staff upon request. (basis: Cumulative Increase)

~~COND #~~ COND # 24297 -----

Authority to Construct Conditions:

1. The VST EVR Phase II Vapor Recovery System with the Veeder-Root Vapor Polisher, including all associated underground plumbing, shall be installed, operated, and maintained in accordance with the most recent revision of the California Air Resources Board (CARB) Executive Order (E.O.). VR-203. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.
2. Only CARB-certified EVR Phase I vapor recovery systems shall be used in conjunction with the VST EVR Phase II Vapor Recovery System.
3. The owner/operator of the facility shall maintain records in accordance with the following requirements. Records shall be maintained on site and made available for inspection for a period of 24 months from the date the record is made.
 - a. Monthly throughput of gasoline pumped, summarized on an annual basis
 - b. A record of all testing and maintenance as required by E.O. VR-203, Exhibit 2. The records shall include the maintenance or test date, repair date to correct test failure, maintenance or test performed, affiliation, telephone number, name and Certified Technician Identification Number of individual conducting maintenance or test.

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4. All applicable components shall be maintained to be leak free and vapor tight. Leak Free, as per BAAQMD (District) Regulation 8-7-203, is a liquid leak of no greater than three drops per minute. Vapor Tight is as defined in District Manual of Procedures, Volume IV, ST-30.
5. Start-up notification: applicant must contact the assigned Permit Engineer, listed in the correspondence section of this letter, by phone, by fax [(415) 749-4949], or in writing at least three days before the initial operation of the equipment is to take place. Operation includes any start-up of the source for testing or other purposes. Operation of equipment without notification being submitted to the District, may result in enforcement action. Please do not send start-up notifications to the Air Pollution Control Officer.
6. The following performance tests shall be successfully conducted at least ten (10) days, but no more than thirty (30) days after start-up. For the purpose of compliance with this Condition, all tests shall be conducted after back-filling, paving, and installation of all required Phase I and Phase II components.
 - a. Static Pressure Performance Test using CARB Test Procedure TP-201.3 (3/17/99) in accordance with E.O. VR-203, Ex. 4. If the tank size is 500 gallons or less, the test shall be performed on an empty tank.
 - b. Dynamic Back Pressure Test using CARB Test Procedure TP-201.4 (7/3/02) in accordance with the condition listed in item 1 of the Vapor Collection Section of E.O. VR-203, Exhibit 2. The dynamic back pressure shall not exceed 0.35" WC @ 60 CFH and 0.62" WC @ 80 CFH.
 - c. Liquid Removal Test using E.O. VR-203, Exhibit 5.
 - d. Vapor Pressure Sensor Verification Test using E.O. VR-203, Exhibit 8
 - e. Nozzle Bag Test on all nozzles in accordance with E.O. VR-203, Exhibit 10.
 - f. Veeder-Root Vapor Polisher Operability Test in accordance with E.O. VR-204, Exhibit 11.
 - g. Veeder-Root Vapor Polisher Emissions Test in accordance with E.O. VR-204, Exhibit 12.
7. The VST EVR Phase II system with the Veeder-Root Vapor Polisher shall be capable of demonstrating on-going compliance with the vapor integrity requirements of CARB Executive Order E.O. VR-203. The owner or operator shall conduct and pass the following tests at least once in each consecutive 12-month period following successful completion of start-up testing. Tests shall be conducted and evaluated using the above referenced test methods and standards.
 - a. Static Pressure Performance Test - TP-201.3
 - b. Dynamic Back Pressure Test - TP-201.4
 - c. Liquid Removal Test - E.O. VR-203, Exhibit 5
 - d. Vapor Pressure Sensor Verification Test - E.O. VR-203, Exhibit 8
 - e. Veeder-Root Vapor Polisher Operability Test in accordance with E.O. VR-204, Exhibit 11.
 - f. Veeder-Root Vapor Polisher Emissions Test in accordance with E.O. VR-204, Exhibit 12.
8. The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted in a District-approved format within thirty days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109).
9. The maximum length of the coaxial hose assembly, including breakaway, swivels, and whip hoses, shall be fifteen (15) feet.

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10. The dispensing rate shall not exceed ten (10.0) gallons per minute (gpm), nor be less than six (6.0) gpm with the trigger at the highest setting. Compliance with this condition shall be verified using the applicable provisions of E.O. VR-203, Ex. 5. Flow limiters may not be used.
11. A Vapor Pressure Sensor shall be installed in the dispenser closest to the underground tanks.
12. The TLS console controlling the Veeder-Root Vapor Polisher shall be equipped with a printer and have an open RS232 port that is accessible to District staff during operating hours.
13. Except when necessary for testing and maintenance, the Veeder-Root Vapor Polisher shall be on and in automatic vapor processor mode with the inlet valve in the open position per E.O. VR-203, Ex. 2. The handle shall not be removed for any reason.
14. The outlet of the Veeder-Root Vapor Polisher shall be at least 12 feet above grade.
15. The station shall maintain OSHA-approved access to the Veeder-Root Vapor Polisher. This access should be provided immediately upon request by District personnel.
16. The VST EVR Phase II Vapor Recovery System shall be maintained and operated in accordance with E.O. VR-203 and the System Operating Manual approved by CARB.
17. Security tags shall be installed and maintained on the Veeder-Root Vapor Polisher. A Veeder-Root Vapor Polisher Operability Test and a Veeder-Root Vapor Polisher Emissions Test shall be performed after the replacement of any damaged or missing tags using the above referenced test methods and subject to the above notification and reporting requirements.
18. The headspace of all underground tanks connected to VST EVR Phase II Vapor Recovery System shall be connected by a manifold below grade at the tanks and/or a manifold between the vent lines.
19. For stations installed or performing a major modification of underground vapor piping after April 1, 2003, all vapor recovery piping shall be a minimum of 2" from the vent stack or dispensers to the first manifold and a minimum of 3" in diameter from the manifold to the underground tanks, with the headspace of all tanks connected by a below-grade manifold. The following piping shall slope down towards the lowest octane tank with a minimum slope of 1/8" per linear foot:
 - a) Any manifold piping connecting the storage tank headspaces.
 - b) All vapor recovery piping between the dispenser and storage tank.
 - c) Vent piping from the base of the vent pipe to the storage tank(s). A major modification is considered a project that adds to, replaces, or removes more than 50% of the underground vapor piping.
20. Condensate traps or knock-out pots are prohibited.
21. Each storage tank vent pipe shall be equipped with a CARB certified pressure/vacuum relief valve as required by the applicable Phase I E.O.. Vents pipes may be manifolded to reduce the number of relief valves needed. No relief valve shall be installed on the Veeder-Root Vapor Polisher outlet.
22. The Veeder-Root EVR system and TLS console may only be installed and serviced by contractors that have completed the Veeder-Root training program. Installation and start-up shall be in accordance with VR-203 and the Veeder Root installation manual.

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Condition #24298, S-1 Gasoline Dispensing Facility

1. The VST EVR Phase II Vapor Recovery System with the Veeder-Root Vapor Polisher without ISD, including all associated underground plumbing, shall be installed, operated, and maintained in accordance with the most recent revision of the California Air Resources Board (CARB) Executive Order (E.O.). VR-203. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.
2. The owner/operator of the facility shall maintain records in accordance with the following requirements. Records shall be maintained on site and made available for inspection for a period of 24 months from the date the record is made.
 - a. Monthly throughput of gasoline pumped, summarized on an annual basis.
3. All applicable components shall be maintained to be leak free and vapor tight. Leak Free, as per BAAQMD (District) Regulation 8-7-203, is a liquid leak of no greater than three drops per minute. Vapor Tight, as per District Regulation 8-7-206, is a leak of less than 100 percent of the lower explosive limit on a combustible gas detector measured at a distance of 1 inch from the source or absence of a leak as determined by the District Manual of Procedures, Volume IV, ST-30 or CARB Method TP-201.3.
4. The VST EVR Phase II system with the Veeder-Root Vapor Polisher without ISD shall be capable of demonstrating on-going compliance with the vapor integrity requirements of CARB Executive Order E.O. VR-203. The owner or operator shall conduct and pass the following tests at least once in each consecutive 12-month period following successful completion of start-up testing. Tests shall be conducted and evaluated using the below referenced test methods and standards.
 - a. Static Pressure Performance Test - TP-201.3
 - b. Dynamic Back Pressure Test - TP-201.4 (7/3/02) in accordance with the condition listed in item 1 of the Vapor Collection Section of E.O. VR-203, Exhibit 2. The dynamic back pressure shall not exceed 0.35" WC @ 60 CFH and 0.62" WC @ 80 CFH
 - c. Liquid Removal Test - E.O. VR-203, Exhibit 5, Option 1 (Only test hoses containing more than 25 ml liquid)
 - d. Vapor Pressure Sensor Verification Test - E.O. VR-203, Exhibit 8,
 - e. Veeder-Root Vapor Polisher Operability Test. E.O. VR-203, Exhibit 11
 - f. Veeder-Root Vapor Polisher Emissions Test - E.O. VR-203, Exhibit 12
5. The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted in a District-approved format within thirty days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, 939 Ellis Street, San Francisco CA 94109).
6. The maximum length of the coaxial hose assembly, including breakaway, swivels, and whip hoses, shall be fifteen (15) feet..
7. The dispensing rate shall not exceed ten (10.0) gallons per minute (gpm), nor be less than six (6.0) gpm with the nozzle trigger at the highest setting. Compliance with this condition shall be verified using the applicable provisions of E.O. VR-203, Ex. 5. Flow limiters may not be used.

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8. The TLS console controlling the Veeder-Root Vapor Polisher shall be equipped with a printer and have an open RS232 port that is accessible to District staff during operating hours.
9. Except when necessary for testing and maintenance, the Veeder-Root Vapor Polisher shall be on and in automatic vapor processor mode with the inlet valve in the open position per E.O. VR-203, Ex. 2. The handle shall not be removed for any reason.
10. The station shall maintain OSHA-approved access to the Veeder-Root Vapor Polisher. This access should be provided immediately upon request by District personnel.
11. Security tags shall be installed and maintained on the Veeder-Root Vapor Polisher. A Veeder-Root Vapor Polisher Operability Test and a Veeder-Root Vapor Polisher Emissions Test shall be performed after the replacement of any damaged or missing tags using the above referenced test methods and subject to the above notification and reporting requirements.
12. Each storage tank vent pipe shall be equipped with a CARB certified pressure/vacuum relief valve as required by the applicable Phase I E.O.. Vents pipes may be manifolded to reduce the number of relief valves needed. No relief valve shall be installed on the Veeder-Root Vapor Polisher outlet.

CONDITION #24557

~~S-503 Portable Compressor Driver – IR P185 (871-031), John Deere, Model 4239, 80 HP, 0.57 MMBtu/hr~~
~~S-504 Portable Compressor Driver – IR P185 (871-032), John Deere, Model 4039, 80 HP, 0.57 MMBtu/hr~~
S-505 Portable Pump Driver – Guzzler (731-069), John Deere, Model 6059, 143 HP, 1.02 MMBtu/hr

1. The owner/operator of the low-use engines shall not operate each engine for more than 80 hours per year. [Basis: "Portable Diesel Engine ATCM" section 93116.2(a)(22)]
2. The owner/operator of the low-use engines shall not discharge into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour, which is as ~~dark or~~ darker as or darker than Ringelmann 2 or equivalent to 40% opacity. [Basis: Regulation 6, Rule 1]
3. The owner or operator shall obtain the District's Authority to Construct or State Registration prior to replacing ~~S-503, S-504 and~~ S-505. The owner/operator shall replace the engines within two years of the first engine being offered for sale that satisfies the Tier 4 emission standards. [Basis: District's NSR, "Portable Diesel Engine ATCM" section 93116(b)(1)(B)]
4. The owner/operator shall operate the portable, low-use engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: "Portable Diesel Engine ATCM" section 93116.4(c)(2)(A)]
5. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for low-use activities totaled on a monthly basis.
 - b. Hours of operation totaled on a rolling 12-month basis.
 - c. For each low-use activity, the nature of the activity.ed. Fuel usage for each engine. [Basis: District Regulation 2, Rule 6 (Title V), "Portable Diesel Engine ATCM" section 93116.4(c)(2)(B)&(C), (or Regulation 2-6-501)]

VI. Permit Conditions

Condition #24621

Facility Wide, Lehigh Southwest Cement Company, Plant # 17

1. The owner/operator shall operate and maintain the “Fugitive Dust Control Plan” for sources that are not subject to NESHAP 40 CFR 63 Subpart LLL at the Cement and Rock Plants, including the on site dust emissions from truck traffics. This plan must be updated periodically as necessary and must be submitted to the District for approval at least once every five year during the Title V permit renewal. This plan must be kept on site and made available to District’s staff upon request. (Basis: Regulation 2-1-403)

- ~~3-2.~~ The owner/operator shall perform source tests for the following abatement devices at least once every five years to demonstrate with compliance limits of Regulation 6-1. The owner/operator shall obtain approval for all source test procedures from the District’s Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District’s Manual of Procedures. The owner/operator shall notify the District’s Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. All measurements, records and data required to be maintained by the owner/operator shall be retained and made available for inspection by the District for at least five years (Basis: Regulation 2-1-403)

BAAQMD Source #	Abatement Description	Plant ID	Abating Source #	Source Description
A10	Dust Collector	6-DC-45-48	S-19	Clinker Storage Area
A-13	Dust Collector	6-DC-1	S-21	Roll Press Clinker Surge Bin and Feeder
A-58	Dust Collector	7-DC-8	S-74	Type II Mechanical Transfer System
A-111	Dust Collector	1-DC-1	S-111	Rail Unloading System Area 1
A-112	Dust Collector	1-DC-2	S-112	Additive Hopper Transfer System Area 1
A-113	Dust Collector	1-DC-3	S-113	Additive Bin Transfer Facilities Area 1
A-114	Dust Collector	1-DC-4	S-113	Additive Bin Transfer Facilities Area 1
A-115	Dust Collector	1-DC-5	S-115	Additive Storage Tripper
A-123	Dust Collector	2-DC-3	S-123	Rock Conveying System Area 2
A-131	Dust Collector	3-DC-1	S-131	Rock Sampling System Area 3
A-132	Dust Collector	3-DC-2	S-132	Preblend Dome
A-133	Dust Collector	3-DC-3	S-132	Preblend Dome
A-134	Dust Collector	3-DC-4	S-134	Preblend Storage Bin 4
A-135	Dust Collector	3-DC-5	S-135	High Grade Storage Bin
A-143	Dust Collector	4-DC-3	S-143	Raw Mill 1 Separator System 4
A-144	Dust Collector	4-DC-4	S-144	Raw Mill 2 Separator Circuit 4
A-151	Dust Collector	5-DC-1	S-151	Homogenizer 5
A-152	Dust Collector	5-DC-2	S-151	Homogenizer 5
A-153	Dust Collector	5-DC-3	S-153	Kiln Feed System
A-162	Dust Collector	5-DC-24	S-162	Clinker Silo A
A-163	Dust Collector	5-DC-25	S-163	Clinker Silo B
A-164	Dust Collector	5-DC-23	S-164	Free Lime Storage Bin
A-165	Dust Collector	5-DC-27	S-165	Clinker Transfer System
A-176	Dust Collector		S-167	Lime Bin
A-190	Dust Collector	5-DC-26	S-165	Clinker Transfer System

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BAAQMD Source #	Abatement Description	Plant ID	Abating Source #	Source Description
A-210	Dust Collector	6-DC-17	S-210	Finish Mill
A-211	Dust Collector	6-DC-12, 14,16 & 18	S-211	Separator
A-216	Dust Collector	6-DC-13	S-216	Cake Conveyor
A-217	Dust Collector	6-DC-14	S-217	Cake Conveyor
A-218	Dust Collector	6-DC-19	S-218 & S-412	Air Separator & Finish Mill
A-220	Dust Collector	6-DC-8	S-220	Mill and Peripherals
A-221	Dust Collector	6-DC-6	S-221 & S-223	Cake Feeder
A-222	Dust Collector	6-DC-4	S-222	Gypsum Feed
A-230	Dust Collector	6-DC-2	S-230	Roller Press and Peripherals
A-231	Dust Collector	6-DC-3	S-231	Pressed Cake Bin
A-240	Dust Collector	6-DC-21	S-240	Additive Conveyor Bin
A-242	Dust Collector	6-DC-11	S-242	Cake Feeder
A-243	Dust Collector	6-DC-5	S-243 & S-246	Gypsum Feeder Reclaimed Cement
A-244	Dust Collector	6-DC-7	S-244	Pozzolan Feeder
A-245	Dust Collector	6-DC-9	S-245	Clay Feeder, Gypsum
A-301	Dust Collector	7-DC-9	S-301	Rail Loadout System
A-340	Dust Collector	8-DC-50	S-340	Coarse Rock Withdrawal System
A-341	Dust Collector	8-DC-51	S-341	Pre-Crushing Screen Rock Plant 3
A-342	Dust Collector	8-DC-52	S-342	Coarse Rock Crushing System 2
A-384	Dust Collector	8-DC-31	S-384	Rock Plant 2 Screen
A-390	Dust Collector	8-DC-30	S-390	Conveyor Belt
A-413	Dust Collector	6-DC-25	S-414	Kiln Dust Fugitive Bin
A-415	Dust Collector	6-DC-13	S-415	Finish Mill Building Conveyor
A-420	Dust Collector	7-DC-16	S-48	Bulk Cement Loadout Tank #1 and #2
A-421	Dust Collector	7-DC-17	S-48	Bulk Cement Loadout Tank #1 and #2
A-422	Dust Collector	7-DC-18	S-48	Bulk Cement Loadout Tank #1 and #2
A-423	Dust Collector	7-DC-12	S-49	Bulk Cement Loadout Tank #28
A-424	Dust Collector	7-DC-14	S-49	Bulk Cement Loadout Tank #28
A-425	Dust Collector	7-DC-13	S-50	Bulk Cement Loadout Tank #29
A-426	Dust Collector	7-DC-15	S-50	Bulk Cement Loadout Tank #29
A-427	Dust Collector	7-DC-19	S-49 & S-50	Bulk Cement Loadout Tank #28 & #29
A-428	Dust Collector	7-DC-11	S-48	Bulk Cement Loadout Tank #1 and #2
A-429	Dust Collector	7-DC-10	S-49 & S-50	Bulk Cement Loadout Tank #28 & #29
A-430	Dust Collector	7-PDC-1	S-54	Cement Packer #1
A-431	Dust Collector	7-PDC-2	S-55	Cement Packer #2
A-433	Dust Collector	7-DC-5	S-45	West Silo Top Cement Distribution Tower
A-434	Dust Collector	7-DC-6	S-46	Middle West Silo Top Cement Distribution Tower
A-435	Dust Collector	7-DC-7	S-47	East Silo Top Cement Distribution Tower
A-436	Dust Collector	6-DC-49	S-17	Clinker Transfer Area
A-447	Dust Collector	6-DC-51	S-19	Clinker Storage Area
A-448	Dust Collector	6-DC-52	S-19	Clinker Storage Area
A-449	Dust Collector	6-DC-53	S-19	Clinker Storage Area
A-450	Dust Collector	6-DC-54	S-19	Clinker Storage Area

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BAAQMD Source #	Abatement Description	Plant ID	Abating Source #	Source Description
<u>A-609</u>	<u>Dust Collector</u>	<u>CPV-12</u>	<u>S-609</u>	<u>Primary Crusher</u>
<u>A-610</u>	<u>Dust Collector</u>	<u>CPV-8</u>	<u>S-610, S-611</u>	<u>Conveyor System (3)</u>
<u>A-611</u>	<u>Dust Collector</u>	<u>CPV-8</u>	<u>S-610</u>	<u>Conveyor System (3)</u>
<u>A-612</u>	<u>Dust Collector</u>	<u>CPV-12</u>	<u>S-610, S-612</u>	<u>Conveyor System (3), Secondary Crusher</u>

COND# 24626

For Dry Material Storage Bins S-167 and S-613-Lime Bin, abated by Dust Collectors A-167 and A-613~~dust collector~~
 Amended by A/N 22953, A/N 27465, A/N 27936

1. The owner/operator shall ensure visible particulate emissions from S-167 and 163 shall not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6, Rule 1, Regulation 1-301)
2. The owner/operator shall ensure all of the particulate emissions emitted from S-167 and S-613 flow under negative pressure to Dust Collector A-167 or A-613. The owner/operator shall equip ~~this each~~ Baghouse with a District approved manometer for measuring the pressure drop across the Baghouse. Each manometer shall be checked for proper operation at least once every month. (Basis: Regulation 6-301, 6-310, 6-311, Regulation 2-1-403)
3. The owner/operator shall ensure the outlet grain loading for each Baghouse A-167 and A-613 does not exceed 0.0013 grain/dscf. (Basis: Regulation 2-2-212 Cumulative Increase)
4. ~~The owner/operator shall ensure the total throughput of powder lime at S-167 does not exceed 5,800 tons in any calendar year. (Basis: Regulation 2-2-212 Cumulative Increase)~~
Deleted, lime throughput increase potentially mandated by Consent Decree with US EPA to reduce SO2
5. The ~~owner/operator shall not exceed 290 hydrated lime delivery trucks in any consecutive 12 month period and the~~ total amount of cement trucks, ~~hydrated lime trucks, soda ash/sodium bicarbonate trucks,~~ and powdered activated carbon trucks shall not exceed 70,000 trucks in any consecutive 12 months period. (Basis: To Avoid Cumulative Increase of PM10)
6. To determine compliance with the above parts, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
 - a. Total monthly hours of operation.
 - b. The monthly hours of operation shall be totaled on a yearly basis.
 - c. The total monthly throughput of lime.
 - d. Total monthly number of truck for lime delivery and their delivery times.
 All records shall be retained on-site for five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase)
7. The owner/operator shall inspect Baghouses, A-167 and A-613 monthly to ensure proper operation. The following items shall be checked:

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- a. The pressure drop across the baghouse shall be checked monthly. The pressure drop shall be no lower than 0.5 inches of water and no greater than 8 inches of water.
- b. The baghouse exhaust shall be checked monthly for evidence of particulate breakthrough. If breakthrough is evident from plume observations, dust buildup near the stack outlet, or abnormal pressure drops, the filter bags shall be checked for any tears, holes, abrasions, and scuffs, and replaced as needed.
- c. All hoppers shall be discharged in a timely manner to maintain compliance with 6(a) above.
- d. The pulsejet, shaker cleaning system shall be maintained and operated at sufficient intervals to maintain compliance with 6(a) above.

(Basis: Regulation 2-1-403)

8. In order to demonstrate compliance with the above permit conditions, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which a record is made.
 - b. Records of all inspections and all maintenance work including bag replacement for the baghouse. Records of each inspection shall consist of a log containing the date of inspection and the initials of the personnel that inspects the baghouses.

(Basis: Regulation 1-441)

9. Not later than 60 days from the startup of A-167 and A-613, and once every five years thereafter, the owner/operator shall conduct an initial District approved source tests to determine compliance with the limit in Part 3. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. (Basis: BACT, Cumulative Increase)

10. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. (Basis: Cumulative Increase)

Compliance Assurance Monitoring (CAM) Permit Condition #24781

For the following Sources:

- S-17 Clinker Transfer Area, abated by A-436 Dust Collector
- S-19 Clinker Storage Area, abated by A10, A-447, A-448, A-449 and A-450 Dust Collectors
- S-21 Roll Press clinker Surge Bin and Feeder, abated by A-13 Dust Collector
- S-45 West Silo Top Cement Distribution Tower, abated by A-433 Dust Collector
- S-46 Middle West Silo Top Cement Distribution Tower, abated by A-434 Dust Collector
- S-47 East Silo Top Cement Distribution Tower, abated by A-435 Dust Collector
- S-48 Bulk Cement Loadout Tanks #1 and #2, abated by A-420, A-421, A-422 and A-428 Dust Collectors
- S-49 Bulk Cement Loadout Tank # 28, abated by A-423, A-424, A-427 and A-429 Dust Collectors
- S-50 Bulk Cement Loadout Tank #29, abated by A-425, A-426, A-427 and A-429 Dust Collectors
- S-74 Type II Mechanical Transfer System, abated by A-58 Dust Collector
- S-151 Homogenizer 5-S-1 & 5-S-2, abated by A-151 and A-152 Dust Collectors
- S-153 Kiln Feed System, abated by A-153 Dust Collector
- S-162 Clinker Silo A, abated by A-162 Dust Collector
- S-163 Clinker Silo B, abated by A-163 Dust Collector
- S-164 Free Lime Storage Bin, abated by A-164 Dust Collector

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S-165 Clinker Transfer System, abated by A-165 ~~and A-190~~ Dust Collectors
S-414 Kiln Dust Additive Bin, abated by A-413 Dust Collector

1. The owner/operator shall use EPA Method 22 to conduct visible emission on the above sources and their associated abatement devices at least once every month to ensure compliance with BAAQMD Regulation 6-301. [Basis: NESHAP 40 CFR Part 63, Subpart LLL]
2. The following definitions apply to the Compliance Assurance Monitoring plan for sources with associated abatement device mentioned above to assure compliance with Regulation 6:
 - a. Exceedance is defined as a pressure drop across the filter bags in inches of water column that is less than 0.5 inches or greater than 10 inches.
 - b. Excursion is defined as any 1 minute differential pressure manometer reading that meets the definition of exceedance. [Basis: 40 CFR Part 64.6(c)(2)]
3. The owner/operator shall equip the above sources and their associated abatement devices with differential pressure manometer gauges that measure the pressure drop across the filter bags in inches of water column. The gauges shall have a minimum accuracy of 0.5 inches water column. [Basis: 40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii)]
4. The indicator range that assures no visible emissions from the above sources and their associated abatement devices shall be 0.5 to 10 inches of water column. [Basis: 40 CFR Part 64.4(a)]
5. The owner/operator of A-433, A-434 and A-436 shall take a reading of the differential pressure manometers installed pursuant to Part 4 manually at least once per quarter. The pressure reading shall be recorded in a District-approved log on a quarterly basis. [Basis: 40 CFR Part 64.3(b)(4)(iii)]

The owner/operator of A-10, A-13, A-58, A-151, A-152, A-153, A-162, A-163, A-164, A-165, A-413, A-420, A-421, A-422, A-423, A-424, A-425, A-426, A-427, A-428, A-429, A-435, A-447, A-448, A-449 and A-450 shall take a reading of the differential pressure manometers installed pursuant to Part 4 manually at least once per month. The pressure reading shall be recorded in a District-approved log on a monthly basis. [Basis: 40 CFR Part 64.3(b)(4)(iii)]

6. If an exceedance occurs at a manometer installed at A-10, A-13, A-58, A-151, A-152, A-153, A-162, A-162, A-164, A-165, ~~A-190~~, A-413, A-420, A-421, A-422, A-423, A-424, A-425, A-426, A-427, A-428, A-429, A-433, A-434, A-435, A-436, A-447, A-448, A-449 and A-450, the owner/operator shall determine the cause of the exceedance and if necessary restore operation of the above sources and their associated abatement devices to their normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Lehigh must review the procedures used in response to an excursion or exceedance. If exceedances continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP). [Basis: 40 CFR Parts 64.6(c)(3), 64.7(d)(2), 64.8]
7. The manometer gauges installed at A-10, A-13, A-58, A-151, A-152, A-153, A-162, A-162, A-164, A-165, ~~A-190~~, A-413, A-420, A-421, A-422, A-423, A-424, A-425, A-426, A-427, A-428, A-429,

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A-433, A-434, A-435, A-436, A-447, A-448, A-449 and A-450 shall be visually inspected prior to use and the owner/operator shall insure that the gauges are calibrated on a quarterly basis. [Basis: NESHAP 40 CFR Part 63, Subpart LLL, 40 CFR Part 64.3(b)(3)]

8. The owner/operator of the above sources and their associated abatement devices shall submit a monitoring report to the District in accordance with 40 CFR Part 70.6(a)(3)(iii). The report shall include all of the following information:
 - a. Summary information on the number, duration, and cause of excursions or exceedances and the corrective actions taken.
 - b. Summary information on the number, duration, and cause for monitor downtime incidents [Basis: 40 CFR Part 64.6(c)(3) and 40 CFR Part 64.9(a)(2)]
9. The owner/operator shall inspect each dust collector based on the manufacturer's recommendations on a yearly basis. The owner/operator shall keep a record of all yearly inspections and any corrective action taken. (Basis: 40 CFR Part 64.6(c)(1)(iii))
10. The owner/operator shall perform source tests for the above sources and their associated abatement devices at least once every 5 years to demonstrate with compliance limits of Regulation 6-1. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. All measurements, records and data required to be maintained by the owner/operator shall be retained and made available for inspection by the District for at least five years [Basis: Regulation 2-1-403]
11. The owner/operator shall keep the records of the pressure drops, visible emission readings, calibrations, test results, excursions and exceedances required by the above conditions for at least 5 years and shall make the records available to District staff upon request. [Basis: Regulation 2-6-501 Recordkeeping]

For the Following Sources:

S-121 Tertiary Scalping Screens, abated by A-121 Dust Collector

S-122 Tertiary Crusher, abated by A-121 and A-122 Dust Collectors

S-384 Rock Plant 2 Scens 16 & 17, abated by A-384 Dust Collector

12. The owner/operator shall use EPA Method 22 to conduct visible emission on S-121, S-122, S-384, A-121, A-122 and A-384 at least once every quarter to ensure compliance with BAAQMD Regulation 6-301. [Basis: NSPS 40 CFR Part 60, Subpart OOO]
13. The following definitions apply to the Compliance Assurance Monitoring plan for S-121, S-122 and S-384 to assure compliance with Regulation 6:
 - a. Exceedance is defined as a pressure drop across the filter bags in inches of water column that is less than 0.5 inches or greater than 8 inches.
 - b. Excursion is defined as any 1 minute differential pressure manometer reading that meets the definition of exceedance.[Basis: 40 CFR Part 64.6(c)(2)]

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14. The owner/operator shall equip A-121, A-122 and A384 Dust Collectors, with differential pressure manometer gauges that measure the pressure drop across the filter bags in inches of water column. The gauges shall have a minimum accuracy of 0.5 inches water column.[Basis: 40 CFR Part 64.6(c)(1)]
15. The indicator range that assures no visible emissions from A-121, A-122 and A-384 Dust Collectors shall be 0.5 to 8 inches of water column.[Basis: 40 CFR Part 64.4(a)]
16. The owner/operator of S-121, S-122 and S-384 shall take a reading of the differential pressure manometers installed pursuant to Part 15 manually at A-121, A-122 and A-384 Dust Collectors at least once per quarter. The pressure reading shall be recorded in a District-approved log on a quarterly basis. [Basis: 40 CFR Part 64.3(b)(4)(iii)]
17. If an exceedance occurs at a manometer installed at A-121, A-122 or A-384, the owner/operator shall determine the cause of the exceedance and if necessary restore operation of S-121, S-122, S-384, A-121, A-121 and/or A-384 to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Lehigh must review the procedures used in response to an excursion or exceedance. If exceedances continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP).[Basis: 40 CFR Parts 64.6(c)(3), 64.7(d)(2), 64.8]
18. The manometer gauges installed at A-121, A-122 and A-384 shall be visually inspected prior to use and the owner/operator shall insure that the gauges are calibrated on a quarterly basis. [Basis: NSPS 40 CFR Part 60, Subpart OOO , 40 CFR Part 64.3(b)(3)]
19. The owner/operator of S-121, S-122, S-384, A-121, A-122 and A-384 shall submit a monitoring report to the District in accordance with 40 CFR Part 70.6(a)(3)(iii). The report shall include all of the following information:
 - a. Summary information on the number, duration, and cause of excursions or exceedances and the corrective actions taken.
 - b. Summary information on the number, duration, and cause for monitor downtime incidents[Basis: 40 CFR Part 64.6(c)(3) and 40 CFR Part 64.9(a)(2)]
20. The owner/operator shall inspect each dust collector based on the manufacturer's recommendations on a yearly basis. The owner/operator shall keep a record of all yearly inspections and any corrective action taken. [Basis: 40 CFR Part 64.6(c)(1)(iii)]
21. The owner/operator shall perform source tests for A-121, A-122 and A-384 at least once every 5 years to demonstrate with compliance limits of Regulation 6-1. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. All measurements, records and data required to be maintained by the owner/operator shall be retained and made available for inspection by the District for at least five years. [Basis: Regulation 2-1-403]

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22. The owner/operator shall keep the records of the pressure drops, visible emission readings, calibrations, test results, excursions and exceedances required by the above conditions for at least 5 years and shall make the records available to District staff upon request. [Basis: Regulation 2-6-501 Recordkeeping]

For the following sources:

S-141 Raw Mill 1 4-GM-1, abated by A-141 Dust Collector

S-142 Raw Mill 2 4-GM-2, abated by A-142 Dust Collector

S-154 Precalciner Kiln, abated by A-141, A-142 Baghouses, and A-171, A-172 Dust Collectors, ~~and~~

A-154 Dry/Slurry Lime Injection System,

A-156 Activated Carbon Injection System, and

A-157 Selective Non-Catalytic Reduction (SNCR) System

S-161 Clinker Cooler, abated by A-161 Dust Collector

S-171 Kiln Fuel Mills System, abated by A-171 Dust Collector

S-172 Precalciner Fuel Mills System, abated by A-172 Dust Collector

23. The owner/operator shall install 44 broken bag leak detectors including alarms at A-141, A-142, A-171, A-172, and A-161 in lieu of conducting the daily visual emissions testing to ensure compliance with BAAQMD Regulation 6-301. [Basis: 40 CFR 63 Subpart LLL]

24. The following definitions apply to the Compliance Assurance Monitoring plan for S-154 and S-161 to assure compliance with Regulation 6:

- a. Exceedance is defined as detecting particulate matter emissions at concentrations of greater than 10 milligrams per actual cubic meter.
- b. Excursion is defined as any 1 minute particulate matter emission concentration that meets the definition of exceedance.

[Basis: 40 CFR Part 64.6(c)(2)]

25. The owner/operator shall equip A-141, A-142, A-171, A-172, and A-161 Dust Collectors with a broken bag leak detector or a continuous parameter monitoring system (CPMS) that must complete a minimum of one cycle of operation for each successive 15-minute period and a minimum of four successive cycles of operation to have a valid hour of data. [Basis: 40 CFR Part 64.6(c)(1)]

26. The concentration of particulate matter emissions that assures no visible emissions from A-141, A-142, A-171, A-172, and A-161 Dust Collectors shall be less than 10 milligrams per actual cubic meter. The broken bag leak detector must be certified by the manufacturer to be capable of detecting particulate matter emissions at concentrations of 10 or fewer milligrams per actual cubic meter. [Basis: 40 CFR Part 64.4(a)]

27. The owner/operator of for A-144 and S-161 must equip A-141, A-142, A-171, A-172, and A-161 with an alarm system that will alert an operator automatically when an increase in relative particulate matter emissions over a preset level is detected. [Basis: 40 CFR Part 64.3(b)(4)(iii)]

28. If an exceedance occurs at a broken bag leak detector installed at A-141, A-142, A-171, A-172, and A-161, the owner/operator shall determine the cause of the exceedance and if necessary restore operation of A-141, A-142, A-171, A-172, and A-161 to their normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Lehigh must review the procedures used in response to an excursion or exceedance. If

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exceedances continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP). [Basis: 40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8]

29. The owner/operator must inspect the broken bag leak detector on a monthly basis according to the manufacture's specification to ensure the monitor is operating properly. [Basis: 40 CFR Part 64.3(b)(3), EPA -454/R-98-015 Guidance]
30. The owner/operator of S-144, S-161, A-141, A-142, A-171, A-172, and A-161 shall submit a semi-annual monitoring report to the District in accordance with 40 CFR Part 70.6(a)(3)(iii). The report shall include all of the following information:
- a. Summary information on the number, duration, and cause of excursions or exceedances and the corrective actions taken.
 - b. Summary information on the number, duration, and cause for monitor downtime incidents [Basis: 40 CFR Part 64.6(c)(3) and 40 CFR Part 64.9(a)(2)]
31. The owner/operator shall inspect each dust collector based on the manufacturer's recommendations on a yearly basis. The owner/operator shall keep a record of all yearly inspections and any corrective action taken. [Basis: 40 CFR Part 64.6(c)(1)(iii)]
32. The owner/operator shall perform source tests for A-141, A-142, A-171, A-172, and A-161 at least once every year to demonstrate with compliance limits of Regulation 6-1. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. All measurements, records and data required to be maintained by the owner/operator shall be retained and made available for inspection by the District for at least five years. [Basis: Regulation 2-1-403]
33. The owner/operator shall keep the records of the concentration, pressure drop, visible emission readings, calibrations, test results, excursions and exceedances required by the above conditions for at least 5 years and shall make the records available to District staff upon request. [Basis: Regulation 2-6-501 Recordkeeping]
- ~~23. The owner/operator shall use EPA Method 22 to conduct visible emission on A-141, A-142, A-161, A-171 and A-172 at least once every day to ensure compliance with BAAQMD Regulation 6-301. [Basis: NESHAP 40 CFR Part 63, Subpart LLL]~~
24. The following definitions apply to the Compliance Assurance Monitoring plan for S-141, S-142, S-154 and S-161 to assure compliance with Regulation 6:
- a. Exceedance is defined as a pressure drop across the filter bags in inches of water column that is less than 0.5 inches or greater than 10 inches.
 - b. Excursion is defined as any 1 minute differential pressure manometer reading that meets the definition of exceedance.
- ~~[Basis: 40 CFR Part 64.6(c)(2)]~~

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~~The following definitions apply to the Compliance Assurance Monitoring plan for S 171 and S 172 to assure compliance with Regulation 6:~~

- ~~c. Exceedance is defined as a pressure drop across the filter bags in inches of water column that is less than 0.5 inches or greater than 14 inches.~~
- ~~d. Excursion is defined as any 1 minute differential pressure manometer reading that meets the definition of exceedance.~~

~~[Basis: 40 CFR Part 64.6(c)(2)]~~

~~25. The owner/operator shall equip A 141, A 142, A 161, A 171 and A 172 Baghouses and Dust Collectors with differential pressure manometer gauges that measure the pressure drop across the filter bags in inches of water column. The gauges shall have a minimum accuracy of 0.5 inches water column. [Basis: 40 CFR Part 64.6(c)(1), 40 CFR Part 63.1350(m)(6)(iii)]~~

~~26. The indicator range that assures no visible emissions from A 141, A 142 and A 161 Dust Collectors shall be 0.5 to 10 inches of water column. The indicator range that assures no visible emissions from A 171 and A 172 Dust Collectors shall be 0.5 to 14 inches of water column. [Basis: 40 CFR Part 64.4(a)]~~

~~27. The owner/operator of S 141, S 142, S 161, S 171 and S 172 shall take a reading of the differential pressure manometers installed pursuant to Part 26 manually at A 141, A 142, A 161, A 171 and A 172 Baghouses and Dust Collector at least once per week. The pressure reading shall be recorded in a District approved log on a weekly basis. [Basis: 40 CFR Part 64.3(b)(4)(iii)]~~

~~28. If an exceedance occurs at a manometer installed at A 141, A 142, A 161, A 171 and A 172, the owner/operator shall determine the cause of the exceedance and if necessary restore operation of S 154, S 161, S 171, S 172, A 141, A 142, A 161, A 171 and/or A 172 to their normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Lehigh must review the procedures used in response to an excursion or exceedance. If exceedances continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP). [Basis: 40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8]~~

~~29. The manometer gauges installed at A 141, A 142, A 161, A 171 and A 172 shall be visually inspected prior to use and the owner/operator shall insure that the gauges are calibrated on a quarterly basis. [Basis: 40 CFR Part 64.3(b)(3)]~~

~~30. The owner/operator of S 141, S 142, S 154, S 161, S 171 and S 172 shall submit a semi-annual monitoring report to the District in accordance with 40 CFR Part 70.6(a)(3)(iii). The report shall include all of the following information:~~

- ~~a. Summary information on the number, duration, and cause of excursions or exceedances and the corrective actions taken.~~
 - ~~b. Summary information on the number, duration, and cause for monitor downtime incidents~~
- ~~[Basis: 40 CFR Part 64.6(c)(3) and 40 CFR Part 64.9(a)(2)]~~

~~31. The owner/operator shall inspect each baghouse and dust collector based on the manufacturer's recommendations on a yearly basis. The owner/operator shall keep a record of all yearly inspections and any corrective action taken. [Basis: 40 CFR Part 64.6(c)(1)(iii)]~~

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- ~~32. The owner/operator shall perform source tests for A-141, A-142, A-161, A-171 and A-172 at least once a year to demonstrate with compliance limits of Regulation 6-1. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. All measurements, records and data required to be maintained by the owner/operator shall be retained and made available for inspection by the District for at least five years. [Basis: Regulation 2-1-403]~~
- ~~33. The owner/operator shall keep the records of the pressure drops, visible emission readings, calibrations, test results, excursions and exceedances required by the above conditions for at least 5 years and shall make the records available to District staff upon request. [Basis: Regulation 2-6-501 Recordkeeping]~~

For the following sources:

S-143 Raw Mill Separator 1, abated by A-143 Dust Collector equipped with broken bag leak detector

S-144 Raw Mill Separator 2, abated by A-144 Dust Collector equipped with broken bag leak detector

S-210 Finish Mills, abated by A-210 Dust Collector equipped with broken bag leak detector

S-211 Separator, abated by A-211 Dust Collector equipped with broken bag leak detector

S-218 Air Separator, abated by A-218 Dust Collector equipped with broken bag leak detector

S-220 Mill and Peripherals, abated by A-220 Dust Collector equipped with broken bag leak detector

S-230 Roller Press and Peripherals, abated by A-230 Dust Collector equipped with broken bag leak detector

34. The owner/operator shall install the broken bag leak detector at A-143, A-144, A-210, A-211, A-218, A-220 and A-230 in lieu of conducting the daily visual emissions testing to ensure compliance with BAAQMD Regulation 6-301. [Basis: 40 CFR 63 Subpart LLL]
35. The following definitions apply to the Compliance Assurance Monitoring plan for S-143, S-144, S-210, S-211, S-218, S-220 and S-230 to assure compliance with Regulation 6:
- Exceedance is defined as detecting particulate matter emissions at concentrations of greater than 10 milligrams per actual cubic meter.
 - Excursion is defined as any 1 minute particulate matter emission concentration that meets the definition of exceedance.
- [Basis: 40 CFR Part 64.6(c)(2)]
36. The owner/operator shall equip A-143, A-144, A-210, A-211, A-218, A-220 and A-230 Dust Collectors with a broken bag leak detector or a continuous parameter monitoring system (CPMS) that must complete a minimum of one cycle of operation for each successive 15-minute period and a minimum of four successive cycles of operation to have a valid hour of data.[Basis: 40 CFR Part 64.6(c)(1)]
37. The concentration of particulate matter emissions that assures no visible emissions from A-143, A-144, A-210, A-211, A-218, A-220 and A-230 Dust Collectors shall be less than 10 milligrams per actual cubic meter. The broken bag leak detector must be certified by the manufacturer to be capable of detecting particulate matter emissions at concentrations of 10 or fewer milligrams per actual cubic meter. [Basis: 40 CFR Part 64.4(a)]

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38. The owner/operator of for A-143, S-144, S-210, S-211, S-218, S-220 and S-230 must equip A-143, A-144, A-210, A-211, A-218, A-220 and A-230 with an alarm system that will alert an operator automatically when an increase in relative particulate matter emissions over a preset level is detected. [Basis: 40 CFR Part 64.3(b)(4)(iii)]
39. If an exceedance occurs at a broken bag leak detector installed at A-143, A-144, A-210, A-211, A-218, A-220 and A-230, the owner/operator shall determine the cause of the exceedance and if necessary restore operation of A-143, A-144, S-210, S-211, S-218, S-220, S-230, A-143, A-144, A-210, A-211, A-218, A-220 and/or A-230 to their normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Lehigh must review the procedures used in response to an excursion or exceedance. If exceedances continue to occur, the District may require the owner/operator to develop and implement a Quality Improvement Plan (QIP). [Basis: 40 CFR Part 64.6(c)(3), 64.7(d)(2), 64.8]
40. The owner/operator must inspect the broken bag leak detector on a monthly basis according to the manufacture's specification to ensure the monitor is operating properly. [Basis: 40 CFR Part 64.3(b)(3), EPA -454/R-98-015 Guidance]
41. The owner/operator of S-143, S-144, S-210, S-211, S-218, S-220, S-230, A-143, A-144, A-210 and A-211, A-218, A-220 and A-230 shall submit a semi-annual monitoring report to the District in accordance with 40 CFR Part 70.6(a)(3)(iii). The report shall include all of the following information:
- Summary information on the number, duration, and cause of excursions or exceedances and the corrective actions taken.
 - Summary information on the number, duration, and cause for monitor downtime incidents
- [Basis: 40 CFR Part 64.6(c)(3) and 40 CFR Part 64.9(a)(2)]
42. The owner/operator shall inspect each dust collector based on the manufacturer's recommendations on a yearly basis. The owner/operator shall keep a record of all yearly inspections and any corrective action taken. [Basis: 40 CFR Part 64.6(c)(1)(iii)]
43. The owner/operator shall perform source tests for A-143, A-144, A-210, A-211, A-218, A-220 and A-230 at least once every five year to demonstrate with compliance limits of Regulation 6-1. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. All measurements, records and data required to be maintained by the owner/operator shall be retained and made available for inspection by the District for at least five years. [Basis: Regulation 2-1-403]
44. The owner/operator shall keep the records of the pressure drops, visible emission readings, calibrations, test results, excursions and exceedances required by the above conditions for at least 5 years and shall make the records available to District staff upon request. [Basis: Regulation 2-6-501 Recordkeeping]

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VI. Permit Conditions

For S-168 Activated Carbon Storage Silo, abated by A-168 Dust Collector For S-169 Activated Carbon Feed Bin, abated by A-169 Dust Collector

1. The owner/operator shall ensure visible particulate emissions from S-168, S-169, A-168 and A-169 shall not exceed Ringelmann 1.0 for more than 3 minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 6, Rule 1, Regulation 1-301)
2. The owner/operator shall ensure S-168 and S-169 are abated by A-168 and A-169, respectively, at all times when in operation. The owner/operator shall equip A-168 and A-169, Dust Collectors, with a District approved manometer for measuring the pressure drop across the Dust Collector. Each manometer shall be checked for proper operation at least once every month. (Basis: Regulation 6-1-301, 6-1-310, 6-1-311, Regulation 2-1-403)
3. The owner/operator shall ensure the outlet grain loading for Dust Collector A-168 and A-169 does not exceed 0.0013 grain/dscf each. (Basis: Regulation 2-2-212 Cumulative Increase)
4. The owner/operator shall ensure the total throughput of powdered activated carbon at S-168 and/or S-169 does not exceed 2,000 tons in any calendar year. (Basis: Regulation 2-2-212 Cumulative Increase)
5. The owner/operator shall not exceed 100 powdered activated carbon delivery trucks in any consecutive 12 month period and the total amount of cement, hydrated lime and powdered activated carbon trucks shall not exceed 70,000 trucks in any consecutive 12 months period. (Basis: To Avoid Cumulative Increase of PM10)
6. To determine compliance with the above parts, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
 - a. Total monthly hours of operation.
 - b. The monthly hours of operation shall be totaled on a yearly basis.
 - c. The total monthly throughput of activated carbon.
 - d. Total monthly number of truck for powder activated carbon delivery and their delivery times.All records shall be retained on-site for five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase)
7. The owner/operator shall inspect Dust Collector, A-168 and A-169 monthly to ensure proper operation. The following items shall be checked:
 - a. The pressure drop across the baghouse shall be checked monthly. The pressure drop shall be no lower than 0.5 inches of water and no greater than 8 inches of water.
 - b. The baghouse exhaust shall be checked monthly for evidence of particulate breakthrough. If breakthrough is evident from plume observations, dust buildup near the stack outlet, or abnormal pressure drops, the filter bags shall be checked for any tears, holes, abrasions, and scuffs, and replaced as needed.
 - c. All hoppers shall be discharged in a timely manner to maintain compliance with 6(a) above.

VI. Permit Conditions

- d. The pulsejet, shaker cleaning system shall be maintained and operated at sufficient intervals to maintain compliance with 6(a) above.
(Basis: Regulation 2-1-403)
8. In order to demonstrate compliance with the above permit conditions, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which a record is made.
 - a. Records of all inspections and all maintenance work including bag replacement for the dust collector. Records of each inspection shall consist of a log containing the date of inspection and the initials of the personnel that inspects the dust collectors.
(Basis: Regulation 1-441)
9. Not later than 60 days from the startup of A-168 and A-169, and once every five years thereafter, the owner/operator shall conduct an initial District approved source tests to determine compliance with the limit in Part 3. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. (Basis: BACT, Cumulative Increase)
10. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. (Basis: Cumulative Increase)

CONDITION #25380

- For:
- S-608 Hopper/Grizzly Feeder, Metso N62X24, 1,160 ton/hr abated by A-608, Water Suppression System, Nesco Model 402
 - S-609 Primary Crusher, Nordberg C-160 Jaw Crusher, 540 ton/hr abated by A-609 Dust Collector, Donaldson Torit, CPV-12, 3,300 SCFM
 - S-610 Conveyor System (BC-1, BC-2, and BC3) abated by A-610, Dust Collectors, Donaldson Torit Model CPV-8, 2,400 SCFM, and A-611, Dust Collectors, Donaldson Torit Model CPV-12, 3,300 SCFM and A-612, Dust Collectors, Donaldson Torit Model CPV-8, 2,400 SCFM
 - S-611 Vibrating Screen, Metso CVB-2661-3P, 1,160 ton/hr abated by A-610, Dust Collectors, Donaldson Torit Model CPV-8, 2,400 SCFM
 - S-612 Secondary Crusher, Nordberg GP500S Cone Crusher, 724 ton/hr abated by A-612, Dust Collectors, Donaldson Torit Model CPV-12, 3,300 SCFM

1. The owner/operator shall abate each of these sources with their respective abatement devices as listed above. (Basis: Regulation 2-2-212 Cumulative Increase)
2. The owner/operator shall equipped Dust Collectors, A-609 through A-612 with a device for measuring the pressure drop across the dust collectors. Each device should be checked for plugging at least every three months. (Basis: Regulations 6-1-301, 6-1-310, 6-1-311, 2-1-403)
3. The owner/operator shall inspect Dust Collectors A-609 through A-612 quarterly to ensure proper operation. The following items shall be checked:

VI. Permit Conditions

- a. The pressure drop across the dust collector shall be checked quarterly. The pressure drop shall be no lower than 2 inches of water and no greater than 6 inches of water.
- b. The dust collector exhaust shall be checked quarterly for evidence of particulate breakthrough. If breakthrough is evident from plume observations, dust buildup near the stack outlet, or abnormal pressure drops, the filter bags shall be checked for any tears, holes, abrasions, and scuffs, and replaced as needed.
- c. All hoppers shall be discharged in a timely manner to maintain compliance with 3(a) above.
- d. The pulsejet, shaker cleaning system shall be maintained and operated at sufficient intervals to maintain compliance with 3(a) above.

(Basis: Regulation 2-1-403)

4. In order to demonstrate compliance with Parts 1, 2 and 3, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which a record is made.
 - a. Records of all inspections and maintenance work including bag replacement for the dust collector.
 - b. Records of each inspection shall consist of a log containing the date of inspection and the initials of the personnel that inspects the dust collectors.

(Basis: Regulation 1-441)

5. The owner/operator of S-609 through S-612 shall ensure that the outlet grain loading for Dust Collectors A- 609 through A-612 shall not exceed 0.0013 grain/dscf each. (Basis: BACT)
6. The owner/operator shall not operate more than 10,133,800 tons of rocks at S-608 in any rolling 12 consecutive month periods. The owner/operator shall not operate sources S-608 through S-612 more than 8,736 hours in any rolling 12 consecutive month periods. (Basis: Cumulative Increase)

7. To determine compliance with the above parts, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:

- a. Total monthly hours of operation
- b. Total daily rock throughput at S-608
- c. The daily throughput shall be totaled on a monthly basis

All records shall be retained on-site for at least five years, from the date of entry and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations.

(Basis: Recordkeeping)

8. To demonstrate compliance with the emission limit in Part 5, the owner/operator shall perform a PM10 initial source test using CARB Method 501, USEPA Method 201/201A, or District approved equivalent at A-609 through A-612 Dust Collectors within 45 days of startup of the source. The results shall be delivered to the District no later than 30 days from the date of the test. (Basis: Regulation 2-1-403)

9. The owner/operator shall obtain approval for all source test procedures from the District's source Test Section prior to conducting any tests. The owner/operator shall comply with all

VI. Permit Conditions

applicable testing requirements as specified in Volume V of the district's Manual of Procedures. The owner/operator shall notify the district's source Test Section, in writing of the source test protocols and projected test dates at least 7 days prior to testing. (Basis: BACT, Cumulative Increase)

VII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

**Table VII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions (Modified EPA Method 9)
BAAQMD 6-1-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions (Modified EPA Method 9) ; or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 8-7-302	VOC emissions Phase II Requirements	Manual of Procedures, Volume IV, ST-30 or CARB Method TP-201.3
BAAQMD 8-16-601	VOC emissions	Manual of Procedures, Volume IV, ST-7, or EPA Method 25 or 25A
BAAQMD 8-16-602	VOC content	Manual of Procedures, Volume III, Methods 21 or 22, 31
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-1-304 BAAQMD	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils
BAAQMD 11-301	Lead Limitation	Manual of Procedures, Volume IV, ST-9, Lead
BAAQMD Condition # 603, Part 4	Beryllium Limitation	Manual of Procedures, Volume IV, ST-2, Beryllium
BAAQMD Condition # 799779 , Part 2 Condition # 1545, Part 2 Condition # 2786, Part B Condition # 4995, Part 3	Particulate Emission Grain Loading Limit	Manual of Procedures, Volume IV, ST-15 Particulates

VII. Test Methods

**Table VII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Condition # 4996, Part 3 Condition # 4997, Part 3 Condition # 4998, Part 3 Condition # 4999, Part 3 Condition # 6655, Part 4 Condition # 7246, Part 2 Condition # 7247, Part 3 Condition # 7837, Part 5 Condition # 13900, Part 3 Condition # 13982, Part 3 Condition # 16109, Part 3		
Condition # 1004779 , Part 2 Condition # 1545, Part 2 Condition # 2786, Part B	Particulate Emission Weight Limit	Manual of Procedures, Volume IV, ST-15 Particulates
Condition # 1545, Part 6	Broken Bag Leak Detection Device	BAAQMD Approved Device
Condition # 6655, Part 3 Condition # 7247, Part 2b Condition # 7837, Part 4 Condition # 13982, Part 2 Condition # 18475, Part 3	Dust Collector Static Pressure Differential	BAAQMD Approved Device

VII. Test Methods

**Table VII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Condition # 20751, Part 1		
Condition # 4997, Part 9 Condition # 4998, Part 9 Condition # 4999, Part 9 Condition # 7246, Part 10 Condition # 13900, Part 7	Broken Bag Leak Detection Device	Triboflow leak detector or equivalent
Condition # 779, Part 4 Condition # 1545, Part 5 Condition # 4995, Part 1 Condition # 4996, Part 1 Condition # 4997, Part 2 Condition # 4998, Part 2 Condition # 4999, Part 1 Condition # 6655, Part 1 Condition # 7246, Part 1 Condition # 7247, Part 1 Condition # 7248, Part 1 Condition # 7249, Part 1 Condition # 7250, Part 1 Condition # 7251, Part 1 Condition # 7252, Part 1 Condition # 7837, Part 2 Condition # 13900, Part 2 Condition # 13982, Part 1 Condition # 16109, Part 1	Ringelmann 0.5 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions (Modified EPA Method 9)

VII. Test Methods

**Table VII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
<p>Condition # 17918, Parts 4, 11, 18, and 23</p> <p>Condition # 18475, Part 5</p>		
<p>Condition # 2786, Part 3</p>	<p>SO₂ emission monitoring</p>	<p>Manual of Procedures, Volume IV, ST-19A Sulfur Dioxide</p>
<p>Condition # 11780, Part C</p>	<p>NO_x emission monitoring</p>	<p>Manual of Procedures, Volume IV, ST-13A or ST-13B, Oxides of Nitrogen, and ST-14, Oxygen, Continuous Sampling</p> <p>Or</p> <p>EPA Method 7E: Determination Of Nitrogen Oxides Emissions From Stationary Sources</p>
<p>Condition # 24298, Part 4</p>	<p>Vapor integrity requirements</p>	<ul style="list-style-type: none"> • Static Pressure Performance Test - TP-201.3 • Dynamic Back Pressure Test - TP-201.4 (7/3/02) in accordance with the condition listed in item 1 of the Vapor Collection Section of CARB E.O. VR-203, Exhibit 2. The dynamic back pressure shall not exceed 0.35" WC @ 60 CFH and 0.62" WC @ 80 CFH • Liquid Removal Test - CARB E.O. VR-203, Exhibit 5, Option 1 (Only test hoses containing more than 25 ml liquid) • Vapor Pressure Sensor Verification Test - CARB E.O. VR-203, Exhibit 8, • Veeder-Root Vapor Polisher Operability Test - CARB E.O. VR-203, Exhibit 11 • Veeder-Root Vapor Polisher Emissions Test – CARB E.O. VR-203, Exhibit 12
<p>40 CFR Subpart LLL § 63.1349 and 63.1350, Regulation 9-13-601 through 611</p>	<p>Visible emission monitoring</p>	<p>EPA Method 5: Determination Of Particulate Emissions From Stationary Sources</p> <p>EPA Method 9: Visual Determination Of The Opacity Of Emissions From Stationary Sources</p> <p>EPA Method 22: Visual Determination Of Fugitive Emissions From Material Sources And Smoke Emissions</p>

VII. Test Methods

**Table VII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
		From Flares
		EPA Method 23: Determination of Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans From Stationary Sources
		EPA Method 320
		EPA Method 321
	Dioxin/Furan Emission	EPA Performance Specification (PS) 2: Specification and Test Procedures for SO ₂ and NO _x Continuous Emission Monitoring Systems in Stationary Sources
	Total Organic HAP Emission	EPA Performance Specification (PS) 3: Specification and Test Procedures for O ₂ and CO ₂ Continuous Emission Monitoring Systems in Stationary Sources
	HCL Emission if equipped with a wet scrubber	EPA Performance Specification (PS) 6: Specification and Test Procedures for Flow Rate Continuous Emission Monitoring Systems in Stationary Sources
	SO ₂ and NO _x	EPA Performance Specification (PS) 8: Specification and Test Procedures for THC Continuous Emission Monitoring Systems in Stationary Sources
	O ₂ and CO ₂	EPA Performance Specification (PS) 11: Specification and Test Procedures for PM Continuous Emission Monitoring Systems in Stationary Sources
	Flow Rate	EPA Performance Specification (PS) 12A: Specification and Test Procedures for Mercury Continuous Emission Monitoring Systems in Stationary Sources
	THC	EPA Performance Specification (PS) 12B: Specification and Test Procedures for Sorbent Trap Continuous Emission Monitoring Systems in Stationary Sources
	PM	EPA Performance Specification (PS) 15: Specification and Test Procedures for Total Organic HAP and HCl Continuous Emission Monitoring Systems in Stationary Sources
	Mercury	EPA Procedure 1: Quality Assurance Requirements for
	Sorbent Trap	

VII. Test Methods

**Table VII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
	Total Organic Hap and HCl Gas Monitor PM Monitor Mercury Monitor	Gas Continuous Emission Monitoring Systems used For Compliance Determination EPA Procedure 2: Quality Assurance Requirements for PM Continuous Emission Monitoring Systems used For Compliance Determination EPA Procedure 5: Quality Assurance Requirements for Mercury Continuous Emission Monitoring Systems or Sorbent Trap Based Integrated For Compliance Determination

VIII. PERMIT SHIELD

- A. Non-applicable Requirements: Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table[s] do not apply to the source or group of sources identified at the top of the table[s]. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

Table VIII A-1 Permit Shield for Non-applicable Requirements S-176 ROCK PLANT 1 STORAGE PILE, S-187 (AKA S-1387) HOPPER AND STORAGE BIN, S-201 PRIMARY CRUSHER, S-202 SECONDARY CRUSHER, S-370 Aggregate Additive Transfer System with Silo abated by A-370 Water Spray , S-383 Rock Plant 2 Conveyors abated by A-384 Baghouse, S-384 Rock Plant 2 Screens abated by A-384 Baghouse, S-390 Conveyor abated by A-390 Baghouse, S-601 Rock Hopper (9-DH-1) abated by Water Spray A-4501	
Citation	Title or Description (Reason not applicable)
40 CFR 60, NSPS Subpart 000	Standards of Performance for Nonmetallic Mineral Processing Plants (Date of original construction or last modification prior to the effective date (August 31, 1983) of this regulation.)

VIII. Permit Shield

Table VIII A-2 Permit Shield for Applicable Requirements	
S-17 CLINKER TRANSFER AREA, S-19 CLINKER STORAGE AREA, S-21 ROLL PRESS CLINKER SURGE BIN AND FEEDER, S-45 WEST SILO TOP CEMENT DISTRIBUTION TOWER, S-46 MIDDLE SILO TOP DISTRIBUTION TOWER, S-47 EAST SILO TOP DISTRIBUTION TOWER, S-48 BULK CEMENT LOAD OUT TANK #1 & 2, S-49 BULK CEMENT LOADOUT TANK #28, S-50 BULK CEMENT LOADOUT TANK #29, S-54 CEMENT PACKER #1, S-55 CEMENT PACKER #2, S-74 TYPE II MECHANICAL TRANSFER SYSTEM, S-141 RAW MILL <u>1</u> (4-GM-1), S-142 RAW MILL 2 (4-GM-2), S-143 RAWMILL 1 SEPARATOR SYSTEM (4-SE-3), S-144 RAWMILL 2 SEPARATOR CIRCUIT (4-SE-4), S-151 HOMONGENIZER (5-S-1-2), S-153 KILN FEED SYSTEM, S-162 CLINKER SILO (5-s-11), S-163 CLINKER SILO (5-s-12), S-164 FREE LIME STORAGE BIN, S-165 CLINKER TRANSFER SYSTEM, S-210 FINISH MILL, S-211 SEPARATOR (6-SE-2), S-216 CLINKER CAKE CONVEYOR (6-GM-1), S-217 CLINKER CAKE CONVEYOR (6-GM-1), S-218 AIR SEPARATOR (6-GM-1), S-220 FINISH MILL (6-GM-2), S-221 CLINKER CAKE FEEDER (6-GM-2), S-222 6-GM-2 GYPSUM FEEDER (6-WF-4), S-230 HYDRAULIC ROLLER PRESS (6-RP-1), S-231 CLINKER CEMENT PRESSED CAKE BIN, 240 ADDITIVE CONVEYOR/BINS, S-242 CLINKER CAKE FEEDER (6-GM-1), S-S-243 GYPSUM FEEDER (6-GM-1), S-244 POZZOLAN FEEDER, S-245 CLAY FEEDER (6-WF-9), S-301 RAIL LOADOUT SYSTEM, S-412 FINISH MILL ADDITIVE BIN (6-GM-3), S-414 KILN DUST ADDITIVE BIN, S-415 FINISH MILL BUILDING CONVEYOR, S-444 EMERGENCY CLINKER CONVEYOR	
Citation	Title or Description (Reason not applicable)
NSPS 40 CFR, Part 60 Subpart F et. al	Standards of Performance for Portland Cement Plants (NESHAP 40 CFR, Part 63 Subpart LLL et. al. is more stringent than NSPS)

IX. GLOSSARY

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CARB E.O

California Air Resources Board Executive Order

CEQA

California Environmental Quality Act

CFR

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 ~~of 40~~ of 40 CFR contain the requirements for air pollution programs.

Clinker

Product from Precalciner Kiln. After it is crushed & grounded, it becomes Portland Cement.

CO

Carbon Monoxide

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

District

The Bay Area Air Quality Management District

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District Regulations.

IX. Glossary

Federally Enforceable, FE

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

Major Facility

A facility with potential emissions of regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

Method 5 (M5)

EPA Test Method - Determination of particulate emissions from stationary sources

Method 9 (M9)

EPA Test Method – Visual Determination of the opacity of emissions from stationary sources

Method 22 (M22)

EPA Test Method – Visual Determination of fugitive emissions from material sources and smoke emissions from flares

MFR

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP

The District's Manual of Procedures.

NAAQS

National Ambient Air Quality Standards

NESHAPs

National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

NMHC

Non-methane Hydrocarbons

IX. Glossary

NO_x

Oxides of nitrogen.

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

NSR

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NO_x, PM₁₀, and SO₂.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and by virtue of ~~of~~ [certain](#) other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

PM

Total Particulate Matter

PM₁₀

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 ~~and District~~ [District](#) Regulation 2, Rule 2.

RACT

Reasonably Available Control Technology

Recordkeeping, R

The owner/operator shall keep the records onsite for at least five years and shall make the records available to District staff upon request.

IX. Glossary

SIP

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO₂

Sulfur dioxide

Title V

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TSP

Total Suspended Particulate

VOC

Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m ²	=	square meter
min	=	minute
mm	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

X. REVISION HISTORY

Application 9687, Minor Revision:

May 9, 2006

- Update capacities in Table II-A based on updated documentation from plant
- Add reactivated Roll Press Clinker Surge Bin and Feeder S-21 to Title V permit
- Add existing Quarry Blasting and Mobile Operations S-600 to Title V permit
- Add new Finish Mill Building Conveyor S-415 to Title V permit
- Remove Schedule of Compliance with the installation of updated Bag Leak Detection Systems
- Update tables for S-1 Gasoline Station for EPA approved BAAQMD Regulation 8-7 instead of the SIP Regulation 8-7
- Update version dates for newly modified regulations
- Update tables and permit conditions to reflect the additions of permitted equipment.

Application 16867, Minor Revision

Pending EPA Approval

- Addition of existing source S-444 Emergency Clinker Conveyor, 230 tph abated by A-444 Water Spray
- Increase allowable coke usage from 8 tons per hour to 20 tons per hour.

Application 17947, Title V Renewal

April 17, 2012

- NSR 15216: Emission Reduction Credit application for the shut down of Mineral Aggregate Plant sources 204 through 206, 215, 440 through 443.
- TV 16867/NSR 15217: Addition of existing S-444 Emergency Clinker Conveyor and its abatement by A-444 Water Spray
- TV 16867/NSR 15398: HPC has submitted a change in permit condition for the following sources:
S-173 Kiln Coke System abated by A-175 Dust Collector
S-174 Precalciner Coke System abated by A-174 Dust Collector
HPC is applying to modify condition 603, part 2 to increase its allowable coke usage from 8 tons per hour to 20 tons per hour. The coke is used as fuel for the S-154 Precalciner Kiln for cement clinker production.
- TV 17734/ NSR 15342: Addition of S-100 Precalciner Kiln Fuel Handling System and its abatement by A-100 Water Sprays
- TV 22334/NSR 15572: Relocation of Crusher (S-202); Relocation and renumbering of Vibrating Screen S-203 to S-604 abated by A-4502 Baghouse; Replacement of Primary Crusher S-201 with S-605 Primary Crusher abated by A-4503 Baghouse; Permit existing sources S-601 Hopper abated by water spray A-4501, S-602 Conveyor System abated by A-4502, A-4503, A-4504 Baghouses, and S-603 Vibrating Grizzly abated by A-4503 Baghouse. (The permits to operate for grandfather sources S-601, S-602

X. Revision History

and S-603 were granted. S-605, S-606, A-4502, A-4503 and A-4504 were not built because this application was submitted under the old owner (Hanson Permanente). Lehigh will submit new changes when it is appropriate. S-203 was shut down along with the aggregate plant).

- TV 22334/NSR 17534: Replacement of existing abatement devices (A-216, A-221, A-242)
- TV 22334/NSR 18535: Condition change on toxics limits
- TV 22334/NSR 19385: Addition of existing source S-606 Storage Piles (Area 1) abated by A-606 Water Spray and new source S-607 Storage Piles (Area 2) abated by A-607 Water Spray
- TV 22334/NSR 20199: EVR upgrade per CARB requirement
- TV 22334/NSR 21217 was to install a pipe line that connects the Kiln Mill Dust Collector (KMDC) to the Finish Mills. This allows Lehigh to send the Kiln Mill Dust Collector's Dust to the Finish Mills for cement blending instead of using trucks. In addition, Lehigh has increased the KMDC Dust from 24,000 tons/yr to 42,775 tons/yr to reduce the Mercury emissions at the kiln.
- TV 22334/NSR 21387 was to include three loss of exemption portable compressor and pump drivers. These are small IC engines that were installed in before 1995 and have lost their exemption since May 17, 2000 when the rule was changed to exempt only engines that are less than 50 hp.
- NSR 21753 was to install the hydrated lime slurry injection system to reduce the HCl emissions at the kiln's exhaust
- Add the revised NESHAP Subpart LLL in appropriate source specific tables IV & VII, adopted in September 9, 2010

Application 22954, Title V Minor Revision

July 8, 2011

- NSR 22953: Activated Carbon Injection System to control mercury

Application 23663, Title V Minor Revision

January 9, 2012

- NSR 23594: Two Synthetic Gypsum Feeders

Application 25601, Title V Administrative Amendment

August 20, 2013

- Official name, Contact name and phone changes
- The compliance date for NESHAP Subpart LLL changed from September 9, 2013 to September 9, 2015.

Application 26320, Title V Significant Revision combined with Application 28289 Title V Renewal

February 1, 2018

- Regulation 9-13 requirements became effective since September 9, 2013
- TV 24617/NSR 24618: Replacement of hopper, primary and secondary crushers, conveyer, and vibrating screen
- TV 23620/NSR 25477: Addition of SNCR A-157 and Ammonia Storage Tank S-168

X. Revision History

- TV 23620/NSR 26247: Stack Modification
- TV 23620/NSR 26277: Dry Lime Injection System
- TV 26320/NSR 26350: Ammonia Increase at Tank S-168 for SNCR system
- TV 28289/NSR 27465: Dry Lime Injection in addition to slurry lime
- TV 28289/NSR 27936: S-618 Storage bin for Soda Ash/Sodium Bicarbonate