Bay Area Air Quality Management District

375 Beale Street, Suite 600
San Francisco, CA 94105
(415) 749-5000

FINAL

MAJOR FACILITY REVIEW PERMIT

Issued To:

Criterion Catalysts & Technologies, L.P.
Facility #A0227

Facility Address:
2840 Willow Pass Road
Pittsburg, CA 94565

Mailing Address:
P.O. Box 5159
Pittsburg, CA 94565-0659

Responsible Official	**Facility Contact**
Dave Olund, Plant Site Manager	Dave Olund, Plant Site Manager
(925) 458-7269	**(**925) 458-7269

Type of Facility: Catalyst Manufacturing

Primary SIC: 2819
Product: Catalyst

BAAQMD Engineering Division
Contact: Dharam Singh

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Damian Breen for Jack P. Broadbent _ January 23, 2018
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 5/4/11);
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 12/19/12, effective 8/31/16);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 12/19/12, effective 8/31/16);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/19/12);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 12/7/16);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03); 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 January 23, 2018 and expires on January 22, 2023. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than July 22, 2022 and no earlier than January 22, 2022. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after January 22, 2023.** If the permit renewal has not been issued by January 22, 2023, 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)

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)

I. Standard Conditions

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 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. Monitoring reports shall be for the following periods: May 1st through October 31st and November 1st through April 30th, 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
375 Beale Street, Suite 600
San Francisco, CA 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 certification period will be November 1st through October 31st. The certification shall be submitted by November 30th of each year. 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 certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the

I. Standard Conditions

certification should be sent to the Environmental Protection Agency at the following address or by email to r9.aeo@epa.gov:

Director
Enforcement Division, TRI & Air Section (ENF-2-1)
USEPA, Region 9
75 Hawthorne Street
San Francisco, CA 94105

(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)

K. Accidental Release

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

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. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301. All stated process weight capacities are on a "dry basis", except where it is specifically identified as on a "wet basis".

S-#	Description	Make or Type	Model	Capacity
1	X1 Muller	Simpson	3UD	36 ton/day max.
2	X1 Dryer (Natural gas)	Wysmont	Q-16	5.724 MMBTU/hr max, 36 ton/day max.
3	X1 Dried Product Elevator	Link Belt		36 ton/day max.
4	X1 Dried Product Screener	Rotex	#242	36 ton/day max.
5	X1 Longs Breaker	Shell Development	CLOB #1	36 ton/day max.
6	X1 Kiln Feed Conveyor System	Link Belt		36 ton/day max.
7	X1 Kiln (Natural gas)	B/S Rotary	F-82	8.0 MMBTU/hr max., 36 ton/day max.
8	X1 Calcined Product Elevator	Link Belt		36 ton/day max.
9	X1 Calcined Product Screener	Rotex	#242	36 ton/day max.
10	X1 Calcined Product Packaging	Toledo Scale		36 ton/day max.
11	X1 Calcined Product Conveyor	Custom made		36 ton/day max.
12	X1 Bulk Bag Unloader station	Custom made		1.5 ton/hr max.
13	X1 BBU Conveyor Feeder	Custom made		1.5 ton/hr max.
14	X1 BBU Drag Conveyor	Custom made		1.5 ton/hr max.
15	X1 BBU Muller Feeder Surge Bin	Custom made		1.5 ton/hr max.
16	X1 BBU Muller Feeder	Custom made		1.5 ton/hr max.
19	X1 Recycle Station	Custom made		36 ton/day max.
104	H1 Blending Tank T-1	Open Tank		480 gallon capacity, 36 tons/day max.
105	H1 Blending Tank T-2	Open Tank		480 gallon capacity, 36 tons/day max.
106	H1 Blending Tank T-3	Open Tank		160 gallon capacity, 36 ton/day max.
303	Alumina Receiving Fluidstat Station	Buhler-Miag, Inc.		100 cu. ft., 100 ton/day max.
304	Alumina Silo 1	Custom made		15,000 cu. ft.
305	Alumina Silo 2	Custom made		15,000 cu. ft.
306	Alumina Silo 3	Custom made		8,500 cu. ft.

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. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301. All stated process weight capacities are on a "dry basis", except where it is specifically identified as on a "wet basis".

S-#	Description	Make or Type	Model	Capacity
307	Alumina Silo 4	Custom made		8,500 cu. ft.
308	Alumina Silo 5	Custom made		15,000 cu. ft.
309	Alumina Recirculation Fluidstat Station	Buhler-Miag, Inc.		180 cu. ft.
310	Alumina Measuring Fluidstat Station	Buhler-Miag, Inc.		150 cu. ft., 112.5 ton/day max.
311	Alumina Bulk Bag Unloader	Buhler-Miag, Inc.		48 ton/day max.
312	Alumina Repackaging Station	W.W. Sly		32 ton/day max.
313	Fines Grinder Feed Hopper System	Custom made		140 cu. ft., 12 ton/day max.
314	Reground Fines Storage Silo TK-70112	Custom made		750 cu. ft., 12 ton/day max.
315	Reground Fines Storage Silo TK-70113	Custom made		750 cu. ft., 12 ton/day max.
316	Reground Fines Storage Silo TK-70114	Custom made		750 cu. ft., 12 ton/day max.
317	Reground Fines Storage Silo TK-70115	Custom made		750 cu. ft., 12 ton/day max.
318	Fines Weigh Hopper Blow Pot	Smoot	V-70102	25 cu. ft., 12 ton/day max.
319	Fines Bagout Station No. 1 & No. 2			1.0 ton supersacks; 55-gallon drums, 12 ton/day max.
320	Fines Grinder	Micro-Pulverizer	60 ACM	12 ton/day max.
321	Alumina Storage Silo			15,000 cu. ft.
322	Fines Tanker Truck Delivery System	Custom Made		40,000 lb
323	Fines Grinder Feed Hopper System (secondary)	Custom Made		
401	X2 Muller	Simpson	3UD	39 ton/day max.
407	X2 Dryer (Natural gas)	Wysmont	#Q-16	5.7 MMBTU/hr max., 39 ton/day max.
408	X2 Dried Product Elevator	Link Belt, Bucket		39 ton/day max.
409	X2 Dried Product Screener	Rotex	#242	39 ton/day max.

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. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301. All stated process weight capacities are on a "dry basis", except where it is specifically identified as on a "wet basis".

S-#	Description	Make or Type	Model	Capacity
410	X2 Longs Breaker	Shell Development	CLOB #1	39 ton/day max.
412	X2 Kiln Feed Conveyor	Link Belt, Covered		39 ton/day max.
413	X2 Kiln	B/S, Rotary		8.1 MMBTU/hr max., 39 ton/day max.
414	X2 Calcined Product Elevator	Link Belt or equal		39 ton/day max.
415	X2 Calcined Product Screener	Rotex	#242	39 ton/day max.
416	X2 Calcined Product Packaging	Toledo Scale or equal		39 ton/day max.
417	X2 Calcined Product Conveyor	Custom made		39 ton/day max.
418	X2 Recycle Station	Custom made		39 ton/day max.
502	Nickel Solution Tank			15,000 gallon
504	H2 Blending Tank T-1	Heated		500 gallon, 52 ton/day max.
505	H2 Blending Tank T-2	Heated		625 gallon, 52 ton/day max.
506	H2 Blending Tank T-3	Heated		300 gallon, 52 ton/day max.
507	H2 Liquids/Solids Blender			115 cu. ft., 52 ton/day max.
509	HSA Kiln Feed Conveyor	Bucket elevator		52 ton/day max.
510	H2 Kiln (Natural gas)	B/S, Rotary		8.6 MMBTU/hr max., 52 ton/day max.
511	HSA Product Conveyor	Link Belt, Bucket elevator		52 ton/day max.
512	HSA Product Screener	Rotex	#242	52 ton/day max.
513	HSA Product Packaging	Toledo Scale		52 ton/day max.
515	H2 Solid Additive Hopper A	Young, custom		60 ton/day max.
516	H2 Solid Additive Hopper B	Young, custom		60 tons/day max.
517	H2 Product Recycle System	Custom made		52 ton/day max.
518	H2 Calcined Feed System	Custom made		52 ton/day max.
519	H2 Spherical Hopper System	Paystar, custom		52 ton/day max.
520	H2 Calcined Feed Bagout Station	Custom made		52 ton/day max.

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. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301. All stated process weight capacities are on a "dry basis", except where it is specifically identified as on a "wet basis".

S-#	Description	Make or Type	Model	Capacity
600	X3 Dried Extruder Screener, Conveyors			36 ton/day max.
601	X3 Fines Surge Hopper			36 ton/day max.
602	X3 Alumina Surge Hopper			36 ton/day max.
603	X3 Extruder	Warner Pflidder		36 ton/day max.
604	X3 Dryer (Natural gas)			6.1 MMBTU/hr max., 36 ton/day max.
606	X3 Calciner (Natural gas)	Heyl & Patterson Inc., Custom made		8.718 MMBTU/hr max., 36 ton/day max.
612	Emergency Standby Diesel Fire Pump Engine	John Deere		134 hp

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
2	X1 Kiln Baghouse, Reverse Jet, Micro Pul 144-S-10	S7	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310, and Cond # 13100	None	Outlet grain loading shall not exceed 0.006 grain/dscf
3	X1 Nuisance Dust Baghouse, Reverse Jet, Flex-Kleen 36BV-25	S3, S4, S5, S6, S8, S9, S10, S11	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310, and Cond # 16736	None	Outlet grain loading shall not exceed 0.003 grain/dscf
4	X1 Muller Filter Receiver , Pulse Jet, Flex-Kleen 120 BVTC, 383 sq. ft., 1116 acfm	S1, S12, S13, S14, S15, S16, S318 (via S1)	BAAQMD Reg. 6-1-301,6-1-310, SIP Reg. 6-301, 6-310, and Cond # 8444	None	Outlet grain loading shall not exceed 0.006 grain/dscf
6	X1 Dryer Baghouse, Reverse Jet, Flex-Kleen, 10,000 scfm	S2	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310, and Cond # 13099	None	Outlet grain loading shall not exceed 0.006 grain/dscf
32	Alumina Receiving Dust Collector, Reverse Jet, Flex-Kleen 84 CT-24, 240 sq. ft.	S303	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf
33	Silo 1 Vent Filter, Reverse Jet, Flex-Kleen 84 BV-16, 160 sq. ft.	S304	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
34	Silo 2 Vent Filter, Reverse Jet, Flex-Kleen 84 BV-16, 160 sq. ft.	S305	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf
35	Silo 3 Vent Filter, Reverse Jet, Flex-Kleen 84 BV-16, 160 sq. ft.	S306	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf
36	Silo 4 Vent Filter, Reverse Jet, Flex-Kleen 84 BV-16, 160 sq. ft.	S307	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf
37	Silo 5 Vent Filter, Reverse Jet, Flex-Kleen 84 BV-16, 160 sq. ft.	S308	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf
38	Alumina Recirculation Blowpot Baghouse, Reverse Jet, Flex-Kleen 84 CT-46, 460 sq. ft.	S309	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf
39	Alumina measuring Blowpot Baghouse, Reverse Jet, Flex-Kleen 84 CT-30, 300 sq. ft.	S310	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf
40	Repackaging Baghouse, Reverse Jet, Flex-Kleen WRTS-64, 6200 acfm.	S311, S312, S313, S318, S323	Cond # 3344	None	Outlet grain loading shall not exceed 0.005 grain/dscf
42	X2 – Nuisance Dust Baghouse, Reverse Jet, Mikro Pul 100-S-10-20	S408, S409, S410, S412, S414, S415, S416, S417, S418	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.003 grain/dscf

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
43	X2 Extrudate II Kiln Baghouse, Reverse Jet, Mikro Pul 144-S-10	S413	Cond # 13100	None	Outlet grain loading shall not exceed 0.006 grain/dscf
44	Reground Fines Silo Dust Collector, Pulse Jet, Mikro-Pulsaire 100-S12-TR-B, 1414 sq. ft.	S314, S319 (via S314), S320	Cond # 8468	None	Outlet grain loading shall not exceed 0.005 grain/dscf
45	Reground Fines Silo Dust Collector, Pulse Jet, Mikro-Pulsaire 100-S12-TR-B, 1414 sq. ft.	S315, S320	Cond # 8468	None	Outlet grain loading shall not exceed 0.005 grain/dscf
46	Reground Fines Silo Dust Collector, Pulse Jet, Mikro-Pulsaire 100-S12-TR-B, 1414 sq. ft.	S316, S320	Cond # 8468	None	Outlet grain loading shall not exceed 0.005 grain/dscf
47	Reground Fines Silo Dust Collector, Pulse Jet, Mikro-Pulsaire 100-S12-TR-B, 1414 sq. ft.	S317, S319 (via S317), S320	Cond # 8468	None	Outlet grain loading shall not exceed 0.005 grain/dscf
48	X2 Muller Filter Receiver, Pulse Jet, Flex-Kleen 120 BVTC, 383 sq. ft., 1116 acfm	S318 (via S401), S401	Cond # 8445	None	Outlet grain loading shall not exceed 0.006 grain/dscf
49	H1 Blending Tank Baghouse, Pulse Jet, Mikro-Pulsaire 64S10-20TRC, 3500 acfm	S104, S105, S106	Cond # 9984	None	Outlet grain loading shall not exceed 0.006 grain/dscf
50	Alumina Silo 6 Vent Filter, Pulse Jet, Flex-Kleen 84-BV-16, 160 sq. ft.	S321	Cond # 13092	None	Outlet grain loading shall not exceed 0.006 grain/dscf
52	H2 Solid Additive Hopper A Filter Receiver, Young Almos, 1200 acfm	S515	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.006 grain/dscf

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
53	H2 Solid Additive Hopper B Filter Receiver, Young Almos, 1200 acfm	S516	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.006 grain/dscf
54	H2 Kiln Baghouse, Reverse Jet, Mikro Pul 144-S-8	S504, S505, S506, S507, S510	Cond # 9315	None	Outlet grain loading shall not exceed 0.006 grain/dscf
55	H2 Nuisance Baghouse, Reverse Jet, Mikro Pul 144-S-5	S509, S511, S512, S513, S517, S518, S519, S520	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf
56	H2 Afterburner - H2 Rotary Kiln Exhaust, Model 1215-10-TR, 8.0 MMBTU/hr max. (Natural gas)	S504, S505, S506, S507, S510, via A54	Cond # 9315	Minimum operating temperature of 1400 degree F	CO = 400 ppm @3% Oxygen; NOx = 120 lb/day; NH3 = 200 lb/day
57	X2 Dryer Baghouse, Reverse Jet, Flex-Kleen 10,000 scfm	S407	Cond # 13099	None	Outlet grain loading shall not exceed 0.006 grain/dscf
58	X1/X2 Kiln SCR, Shell DeNOx, 17,000 acfm	S7 via A2, S413 via A43, A2, A43	Cond # 13100	None	NOx = 58 lb/day or 21,000 lb/yr
320	Alumina Receiving Station Blowpot Dry In-line Filter, Dollinger, 1000 cfm	S303 via A32	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf
380	Alumina Recirculation Station Blowpot Dry In-line Filter, Dollinger, 2000 cfm	S309 via A38	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
390	Alumina Measuring Station Blowpot Dry In-line Filter, Dollinger, 2000 cfm	S310 via A39	BAAQMD Reg. 6-1-301, 6-1-310, SIP Reg. 6-301, 6-310,	None	Outlet grain loading shall not exceed 0.15 grain/dscf
601	X3 Fines Surge Hopper Baghouse, Pulse Jet, Flex-Kleen, 148 sq. ft.	S318 (via S601), S601	Cond # 13094	None	Outlet grain loading shall not exceed 0.006 grain/dscf
602	X3 Alumina Surge Hopper Baghouse, Pulse Jet, Flex-Kleen, 148 sq. ft.	S602	Cond # 13095	None	Outlet grain loading shall not exceed 0.006 grain/dscf
603	X3 Dryer Baghouse, Reverse Jet, Flex-Kleen, 12,000 scfm	S604	Cond # 13097	Pressure drop to be determined	Outlet grain loading shall not exceed 0.006 grain/dscf
604	X3 Calciner Baghouse, Reverse Jet, Hosakawa Micropul, 2,000 scfm	S606 (tube side)	Cond # 15672	Bag failure warning device	Outlet grain loading shall not exceed 0.006 grain/dscf
605	X3 Calciner SCR, Shell DeNOx, 3,100 dscfm	S606 (tube side)	Cond # 15672	None	NOx = 51 lb/day or 18,500 lb/yr; NH3 = 490 lb/day or 48,000 lb/yr
606	X3 Calciner CO Catalyst, Custom made	S606 (tube side)	Cond # 15672	None	CO abatement efficiency at least 90% and inlet conc. not to exceed 200 ppmv; CO outlet conc. not to exceed 25 ppmv
607	X3 Dust Collector – Nuisance Baghouse, Turbo Jet, Unit BH70343STJ-131115-8, 8000 scfm	S600	Cond.# 13093	None	Exhaust routed to A603 via S606(shell side) & S604

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 will 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 "Regulation Title or Description of Requirement" 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 the current SIP requirements is on the EPA Region 9 website: 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 versions 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 (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	Permits – General Requirements (12/19/12 effective on 8/31/16)	Y
BAAQMD 2-1-429	Federal Emissions Statement (4/18/12, effective 8/31/16)	Y
BAAQMD Regulation 2, Rule 5	Permits – New Source Review of Toxic Air Contaminants (12/7/16)	N
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/6/90)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 5	Open Burning (06/19/13)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (12/5/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	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 (7/1/09)	Y
SIP Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (1/2/04)	
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 (4/16/01)	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 49	Organic Compounds – Aerosol Paint Products (12/20/95)	N
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 2	Hazardous Pollutants – Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance – Sandblasting (7/11/90)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/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 (2/19/11)	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987 (6/27/12)	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines (5/19/11)	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 (2/19/11)	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (4/13/05)	
Subpart F, 40 CFR 82.156	Recycling and Emission Reductions – Required Practices	Y
Subpart F, 40 CFR 82.161	Recycling and Emission Reductions – Technician Certification	Y
Subpart F, 40 CFR 82.166	Recycling and Emission Reductions – Reporting and Recordkeeping Requirements	Y

IV. SOURCE-SPECIFIC 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. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

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 text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of the current SIP requirements is on the EPA Region 9 website at: 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.

Table IV – A
Source-specific Applicable Requirements
S1 – X1 MULLER, S12 – X1 BULK BAG UNLOADER STATION,
S13 – X1 BBU Conveyor Feeder, S-14 – X1 BBU Drag Conveyor,
S15 – X1 BBU Muller Feeder Surge Bin, S16 – X1 BBU Muller Feeder;
Abated by: A4 – X1 Muller Filter Receiver

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	

IV. Source-specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 – X1 MULLER, S12 – X1 BULK BAG UNLOADER STATION,
S13 – X1 BBU Conveyor Feeder, S-14 – X1 BBU Drag Conveyor,
S15 – X1 BBU Muller Feeder Surge Bin, S16 – X1 BBU Muller Feeder;
Abated by: A4 – X1 Muller Filter Receiver

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #8444			
Part 1	Visible emissions limit requirement (basis: Regulation 6-1-301, SIP Regulation 6-301)	Y	
Part 2	A4 Area dust collector air flow rate and exhaust grain loading requirement (basis: Cumulative Increase)	Y	
Part 3	Abatement requirement, and device failure warning requirement (basis: Cumulative Increase)	Y	
Part 4	Throughput and Nickel content limits (basis: Cumulative Increase; Regulation 2-5-302)	Y	
Part 5	Recordkeeping (basis: Cumulative Increase)	Y	

Table IV – B
Source-specific Applicable Requirements
S2 – X1 DRYER, ABATED BY A6 – X1 DRYER BAGHOUSE
S407 – X2 DRYER, ABATED BY A57 – X2 DRYER BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S2 – X1 DRYER, ABATED BY A6 – X1 DRYER BAGHOUSE
S407 – X2 DRYER, ABATED BY A57 – X2 DRYER BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on ground level concentrations	N	
9-1-311	Emission Limitations for Catalyst Manufacturing Plants	N	
9-1-311.2	SO2 Emission Limit	N	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (6/8/99)**		
9-1-301	Limitations on ground level concentrations	Y	
9-1-311	Emission Limitations for Catalyst Manufacturing Plants	Y	
9-1-311.2	SO2 Emission Limit	Y	
BAAQMD Condition #13099			
Part 1	Visible emissions limit requirement (basis: Regulation 6-1-301, SIP Regulation 6-301, 1-301)	Y	
Part 2	Abatement requirement, and device failure warning requirement (basis: Reg. 6-1-301, 6-1-310, 6-1-311, SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)	Y	
Part 3	A6 and A57 Baghouses air flow rate and exhaust grain loading requirement (basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S3 – X1 Dried Product Elevator, S4 – X1 Dried Product Screener, S5 – X1 Longs Breaker, S6 – X1 Kiln Feed Conveyor System, S8 – X1 Calcined Product Elevator, S9 – X1 Calcined Product Screener, S10 – X1 Calcined Product Packaging; Abated by A3 – X1 Nuisance Dust Baghouse

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #16736			
Part 1	Throughput limit (basis: Cumulative Increase; baseline)	Y	
Part 2	Baghouse A-3 exhaust grain loading limit (basis: baseline)	Y	
Part 3a	Nickel content limit (basis: baseline)	Y	
Part 4	Source test requirements (basis: baseline)	Y	
Part 5	Visible emission limit requirements (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)		
Part 6	Abatement requirement, and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311; Cumulative Increase)	Y	
Part 7	Baghouse A-3 air flow rate limit (basis: Cumulative Increase; baseline)	Y	
Part 8	Throughput and Nickel content recordkeeping requirements (basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S7 – X1 KILN; ABATED BY A2 – X1 KILN BAGHOUSE;
S413 – X2 KILN; ABATED BY A43 – X2 KILN BAGHOUSE;
BOTH ABATED BY A58 – X1/X2 KILN SCR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on ground level concentrations	N	
9-1-311	Emission Limitations for Catalyst Manufacturing Plants	N	
9-1-311.2	SO2 Emission Limit	N	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (6/8/99)**		
9-1-301	Limitations on ground level concentrations	Y	
9-1-311	Emission Limitations for Catalyst Manufacturing Plants	Y	
9-1-311.2	SO2 Emission Limit	Y	
BAAQMD Condition #13100			
Part 1	Visible emissions limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	

IV. Source-specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S7 – X1 KILN; ABATED BY A2 – X1 KILN BAGHOUSE;
S413 – X2 KILN; ABATED BY A43 – X2 KILN BAGHOUSE;
BOTH ABATED BY A58 – X1/X2 KILN SCR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Abatement requirement, and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, SIP Regulation 6-301, 6-310, BACT)	Y	
Part 3	A2 and A43 Baghouses air flow rate and exhaust grain loading requirement (basis: Cumulative Increase)	Y	
Part 4	Fuel and fuel usage limits at S7 (basis: Cumulative Increase)	Y	
Part 5	Fuel and fuel usage limits at S413 (basis: Cumulative Increase)	Y	
Part 6	Nox daily and annual emission limits (basis: Cumulative Increase)	Y	
Part 7	Grain loading source test requirement (basis: Cumulative Increase)	Y	
Part 8	NOx continuous emission monitor (CEM) requirement (basis: Cumulative Increase)	Y	
Part 9	Fuel meter requirement (basis: Cumulative Increase)	Y	
Part 10	Fuel usage record keeping requirement (basis: Regulation 2-6-501, Cumulative Increase)	Y	
BAAQMD Condition #16736			
Part 1	Material throughput limit (basis: Cumulative Increase; baseline)	Y	
Part 3a	Nickel content limit (basis: baseline)	Y	
Part 8	Throughput and Nickel content recordkeeping requirements (basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – E
Source-specific Applicable Requirements
S11 – X1 CALCINED PRODUCT CONVEYOR;
ABATED BY A3 – X1 NUISANCE DUST BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #16736			
Part 1	Throughput limit (basis: Cumulative Increase)	Y	
Part 2	Baghouse A-3 exhaust grain loading limit (basis: TBACT; Toxic risk screen)	Y	
Part 4	Source test requirements (basis: Regulation 6-1-310; SIP Regulation 6-310; TBACT; Toxic risk screen)		
Part 5	Visible emissions limit requirement (basis: Regulation 6-1-301, SIP Regulation 6-301)	Y	
Part 6	Abatement requirement, and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311; Cumulative Increase)	Y	
Part 7	Baghouse A-3 air flow rate limit (basis: Cumulative Increase)	Y	
Part 8	Throughput recordkeeping requirements (basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S19 – X1 RECYCLE STATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #16736			
Part 1	Throughput limit (basis: Cumulative Increase)	Y	
Part 8	Throughput record keeping requirement (basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – G
Source-specific Applicable Requirements
S104 – H1 BLENDING TANK T-1,
S105 – H1 BLENDING TANK T-2,
S106 – H1 BLENDING TANK T-3;
ABATED BY A49 – H1 BLENDING TANKS BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #9984			
Part 1	Visible emissions limit requirement (basis: Regulations 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 2	A49 Baghouse air flow rate and exhaust grain loading requirement (basis: Cumulative Increase)	Y	
Part 3	Abatement requirement, and device failure warning requirement (basis: Regulations 6-1-301, 6-1-310, 6-1-311; SIP Regulations 6-301, 6-310, 6-311, Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S303 – ALUMINA RECEIVING FLUIDSTAT STATION,
ABATED BY A32 – ALUMINA RECEIVING DUST COLLECTOR,
AND BY A320 – ALUMINA RECEIVING STATION BLOWPOT DRY IN-LINE FILTER;
S309 – ALUMINA RECIRCULATION FLUIDSTAT STATION,
ABATED BY A38 – ALUMINA RECIRCULATION BLOWPOT BAGHOUSE;
AND BY A380 – ALUMINA RECIRCULATION STATION BLOWPOT DRY IN-LINE FILTER;
S310 – ALUMINA MEASURING FLUIDSTAT STATION,
ABATED BY A39 – ALUMINA MEASURING BLOWPOT BAGHOUSE;
AND BY A390 – ALUMINA MEASURING STATION BLOWPOT DRY IN-LINE FILTER;

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S304 – Alumina Silo 1, Abated by A33 – Silo 1 Vent Filter;
S305 – Alumina Silo 2, Abated by A34 – Silo 2 Vent Filter;
S306 – Alumina Silo 3, Abated by A35 – Silo 3 Vent Filter;
S307 – Alumina Silo 4, Abated by A36 – Silo 4 Vent Filter;
S308 – Alumina Silo 5, Abated by A37 – Silo 5 Vent Filter

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

Table IV – J
Source-specific Applicable Requirements
S311 – Alumina Bulk Bag Unloader,
S312 – Alumina Repackaging Station,
S313 – Fines Grinder Feed Hopper System
S-323 – Fines Grinder Feed Hopper System (secondary);
Abated by A40 – Repackaging Baghouse

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	

IV. Source-specific Applicable Requirements

Table IV – J
Source-specific Applicable Requirements
S311 – ALUMINA BULK BAG UNLOADER,
S312 – ALUMINA REPACKAGING STATION,
S313 – FINES GRINDER FEED HOPPER SYSTEM
S-323 – FINES GRINDER FEED HOPPER SYSTEM (SECONDARY);
ABATED BY A40 – REPACKAGING BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #3344			
Part 1	Visible emission limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 2	S311 and S312 throughput limit (basis: Cumulative Increase)	Y	
Part 3	S313 and S323 catalyst throughput limit (basis: Cumulative Increase)	Y	
Part 4	Abatement requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311, SIP Regulation 6-301, 6-310, 6-311)	Y	
Part 5	A40 Baghouse good operating condition requirement, and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311, SIP Regulation 6-301, 6-310, 6-311)	Y	
Part 6	A40 Baghouse air flow rate and exhaust grain loading limits requirement (basis: Cumulative Increase)	Y	
Part 7	Nickel content limit in the material processed at S313 and S323 (basis: toxic risk screen)	Y	
Part 8	Record keeping requirement (basis: Regulation 2-6-501; Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – K
Source-specific Applicable Requirements
S314 – REGROUND FINES STORAGE SILO TK-70112, ABATED BY A44 – REGROUND FINES SILO DUST COLLECTOR; S315 – REGROUND FINES STORAGE SILO TK-70113, ABATED BY A45 – REGROUND FINES SILO DUST COLLECTOR; S316 – REGROUND FINES STORAGE SILO TK-70114, ABATED BY A46 – REGROUND FINES SILO DUST COLLECTOR; S317 – REGROUND FINES STORAGE SILO TK-70115, ABATED BY A47 – REGROUND FINES SILO DUST COLLECTOR; S318 – FINES WEIGH HOPPER BLOW POT, ABATED BY A4, A40, A48, OR A601; S319 – FINES BAGOUT STATION NO.1 & NO.2, ABATED BY A44 OR A47; S320 – FINES GRINDER, ABATED BY A44, A45, A-46, OR A47; S322 – FINES TANKER TRUCK DELIVERY SYSTEM, ABATED BY A44, A45, A-46, OR A47

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #8468			
Part 1	Visible emission limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 2	Catalyst throughput limit (basis: Cumulative Increase)	Y	
Part 3	One silo loading at one time requirement (basis: Cumulative Increase)	Y	
Part 4	Abatement requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – K
Source-specific Applicable Requirements
S314 – REGROUND FINES STORAGE SILO TK-70112, ABATED BY A44 – REGROUND FINES SILO DUST COLLECTOR; S315 – REGROUND FINES STORAGE SILO TK-70113, ABATED BY A45 – REGROUND FINES SILO DUST COLLECTOR; S316 – REGROUND FINES STORAGE SILO TK-70114, ABATED BY A46 – REGROUND FINES SILO DUST COLLECTOR; S317 – REGROUND FINES STORAGE SILO TK-70115, ABATED BY A47 – REGROUND FINES SILO DUST COLLECTOR; S318 – FINES WEIGH HOPPER BLOW POT, ABATED BY A4, A40, A48, OR A601; S319 – FINES BAGOUT STATION NO.1 & NO.2, ABATED BY A44 OR A47; S320 – FINES GRINDER, ABATED BY A44, A45, A-46, OR A47; S322 – FINES TANKER TRUCK DELIVERY SYSTEM, ABATED BY A44, A45, A-46, OR A47

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	A44 through A47 Baghouses good operating condition requirement, and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)	Y	
Part 6	A44 through A47 Baghouses air flow rate, and exhaust grain loading limits requirement (basis: Cumulative Increase)	Y	
Part 7	Nickel content limit in the material processed (basis: toxic risk screen)	Y	
Part 8	Record keeping requirement (basis: Regulation 2-6-501; Cumulative Increase)	Y	

Table IV – L
Source-specific Applicable Requirements
S321 – ALUMINA STORAGE SILO; ABATED BY A50 – ALUMINA SILO 6 VENT FILTER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	

IV. Source-specific Applicable Requirements

Table IV – L
Source-specific Applicable Requirements
S321 – ALUMINA STORAGE SILO; ABATED BY A50 – ALUMINA SILO 6 VENT FILTER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #13092			
Part 1	Visible emission limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 2	Throughput limit requirement (basis: Cumulative Increase)	Y	
Part 3	Abatement requirement; A50 Baghouse good operating condition and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)	Y	
Part 4	A50 Baghouse air flow rate, and exhaust grain loading limits requirement (basis: Cumulative Increase)	Y	
Part 5	Record keeping requirement (basis: Regulation 2-6-501; Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – M
Source-specific Applicable Requirements
S401 – X2 MULLER; ABATED BY A48 – X2 MULLER FILTER RECEIVER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #8445			
Part 1	Visible emissions limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 2	A48 Baghouse air flow rate, and exhaust grain loading requirement (basis: Cumulative Increase)	Y	
Part 3	Abatement requirement, and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – N
Source-specific Applicable Requirements
S408 – X2 DRIED PRODUCT ELEVATOR, S409 – X2 DRIED PRODUCT SCREENER, S410 – X2 LONGS BREAKER, S412 – X2 KILN FEED CONVEYOR, S414 – X2 CALCINED PRODUCT ELEVATOR, S415 – X2 CALCINED PRODUCT SCREENER, S416 – X2 CALCINED PRODUCT PACKAGING, S417 – X2 CALCINED PRODUCT CONVEYOR, S418 – X2 RECYCLE STATION, ABATED BY A42 – X2 NUISANCE DUST BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition **#16736**			
Part 1	Throughput limit (basis: Cumulative Increase; baseline)	Y	
Part 2	Baghouse A-42 exhaust grain loading limit (basis: baseline)	Y	
Part 3b	Nickel content limit (basis: baseline)	Y	
Part 4	Source test requirements (basis: baseline)	Y	
Part 5	Visible emission limit requirements (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)		
Part 6	Abatement requirement, and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311; Cumulative Increase)	Y	
Part 7	Baghouse A-42 air flow rate limit (basis: Cumulative Increase; baseline)	Y	
Part 8	Throughput and Nickel content recordkeeping requirements (basis: Cumulative Increase)	Y	
Part 8	Throughput and Nickel content recordkeeping requirements (basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

TABLE IV – O
SOURCE-SPECIFIC APPLICABLE REQUIREMENTS
S515 – H2 SOLID ADDITIVE HOPPER A, ABATED BY A52 – H2 SOLID ADDITIVE HOPPER A FILTER RECEIVER; S516 – H2 SOLID ADDITIVE HOPPER B, ABATED BY A53 – H2 SOLID ADDITIVE HOPPER B FILTER RECEIVER; S517 – H2 PRODUCT RECYCLE SYSTEM, S518 – H2 CALCINED FEED SYSTEM, S519 – H2 SPHERICAL HOPPER SYSTEM, S520 – H2 CALCINED FEED BAGOUT STATION, S517, S518, S519, AND S520 ABATED BY A55 – H2 NUISANCE BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV – P
Source-specific Applicable Requirements
S502 – NICKEL SOLUTION TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 2 Rule 1	**Permits, General Requirements (12/19/12 effective on 8/31/16)**		
2-1-316.1	Toxic compound emission limit and risk screening analysis	Y	

Table IV – Q
Source-specific Applicable Requirements
S504 – H2 BLENDING TANK T-1, S505 – H2 BLENDING TANK T-2, S506 – H2 BLENDING TANK T-3, S507 – H2 LIQUID/SOLIDS BLENDER, S510 – H2 KILN, ABATED BY A54 – H2 KILN BAGHOUSE AND BY A56 – H2 AFTERBURNER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (3/17/82)**		
7-301	General limit	N	
7-302	Limit at or beyond property line	N	
7-303	Limit	N	

IV. Source-specific Applicable Requirements

Table IV – Q
Source-specific Applicable Requirements
S504 – H2 Blending tank T-1, S505 – H2 Blending tank T-2, S506 – H2 Blending tank T-3, S507 – H2 Liquid/solids blender, S510 – H2 kiln, Abated by A54 – H2 Kiln Baghouse and by A56 – H2 Afterburner

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
7-401	Collection of Samples	N	
7-402	Analysis of Samples	N	
7-403	Evaluation apparatus	N	
7-404	Evaluation Procedure	N	
7-405	Evaluation Analysis	N	
7-601	Collection of Samples	N	
7-602	Sampling Equipment and Techniques for Collection	N	
BAAQMD Condition #9315			
Part 1	Nickel and Nickel compounds limit in the materials to be processed (basis: toxic risk screening analysis)	Y	
Part 2	Material throughput limit at S510 (basis: Cumulative Increase)	Y	
Part 3	A54 Baghouse Visible emissions limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 4	A54 Baghouse air flow rate, and exhaust grain loading requirement (basis: Cumulative Increase)	Y	
Part 5	Abatement requirement, and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)	Y	
Part 6	A56 Afterburner good operating condition requirement (basis: Cumulative Increase)	Y	
Part 7	Natural gas fuel only, and temperature monitor requirement (basis: Cumulative Increase)	Y	
Part 8	A56 Afterburner CO emissions limit requirement (basis: Cumulative Increase)	Y	
Part 9	A56 Afterburner operating temperature and residence time requirements (basis: Cumulative Increase)	Y	
Part 10	NOx and NH3 daily emission limits (basis: Cumulative Increase)	Y	
Part 11	A56 Afterburner operating option linked with NH3 daily emissions (basis: Cumulative Increase)	Y	
Part 12	A56 Afterburner visible emissions limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 13	Annual source test requirement (basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – Q
Source-specific Applicable Requirements
S504 – H2 Blending tank T-1, S505 – H2 Blending tank T-2, S506 – H2 Blending tank T-3, S507 – H2 Liquid/solids blender, S510 – H2 kiln, Abated by A54 – H2 Kiln Baghouse and by A56 – H2 Afterburner

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 14	Record keeping (basis: Regulation 2-6-501; Cumulative Increase)	Y	

Table IV – R
Source-specific Applicable Requirements
S509 – H2 Kiln feed conveyor, S511 – H2 product conveyor, S512 – H2 Product screener, S513 – H2 Product packaging Abated by A55 – H2 Nuisance Baghouse

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #16736			
Part 1	Throughput limit (basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – R
Source-specific Applicable Requirements
S509 – H2 KILN FEED CONVEYOR,
S511 – H2 PRODUCT CONVEYOR,
S512 – H2 PRODUCT SCREENER,
S513 – H2 PRODUCT PACKAGING
ABATED BY A55 – H2 NUISANCE BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Baghouse A-55 exhaust grain loading limit (basis: TBACT; Toxic risk screen)	Y	
Part 3e	Nickel content limit (basis: Toxic risk screen)	Y	
Part 4	Source test requirements (basis: Regulation 6-1-310; SIP Regulation 6-310; TBACT)	Y	
Part 5	Visible emission limit requirements (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)		
Part 6	Abatement requirement, and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311; Cumulative Increase)	Y	
Part 7	Baghouse A-55 air flow rate limit (basis: Cumulative Increase)	Y	
Part 8	Throughput and Nickel content recordkeeping requirements (basis: Cumulative Increase)	Y	

Table IV – S
Source-specific Applicable Requirements
S600 – X3 DRIED EXTRUDER, SCREENER, CONVEYORS;
ABATED BY A607 – X3 DUST COLLECTOR, FOLLOWED BY A603 – X3 DRYER BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	

IV. Source-specific Applicable Requirements

Table IV – S
Source-specific Applicable Requirements
S600 – X3 DRIED EXTRUDER, SCREENER, CONVEYORS;
ABATED BY A607 – X3 DUST COLLECTOR, FOLLOWED BY A603 – X3 DRYER BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #13093			
Part 1	Nickel & Nickel compounds limit in the material to be processed (basis: toxic risk screening analysis)	Y	
Part 2	Visible emissions limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 3	Abatement requirements (basis: TBACT, Cumulative Increase, permit condition ID# 13097, part 4)	Y	
Part 4	Material throughput limit (basis: Cumulative Increase)	Y	
Part 5	Record keeping (basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – T
Source-specific Applicable Requirements
S601 – X3 FINES SURGE HOPPER;
ABATED BY A601 – X3 FINES SURGE HOPPER BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #13094			
Part 1	Visible emission limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 2	Throughput limit requirement (basis: Cumulative Increase)	Y	
Part 3	Abatement requirement; A601 Baghouse good operating condition and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)	Y	
Part 4	A601 Baghouse air flow rate, and exhaust grain loading limits requirement (basis: Cumulative Increase)	Y	
Part 5	Record keeping requirement (basis: Regulation 2-6-501; Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – U
Source-specific Applicable Requirements
S602 – X3 ALUMINA SURGE HOPPER;
ABATED BY A602 – X3 ALUMINA SURGE HOPPER BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #13095			
Part 1	Visible emission limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 2	Throughput limit requirement (basis: Cumulative Increase)	Y	
Part 3	Abatement requirement; A602 Baghouse good operating condition and device failure warning requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)	Y	
Part 4	A602 Baghouse air flow rate, and exhaust grain loading limits requirement (basis: Cumulative Increase)	Y	
Part 5	Record keeping requirement (basis: Regulation 2-6-501; Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – V
Source-specific Applicable Requirements
S603 – X3 EXTRUDER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (3/17/82)**		
7-301	General limit	N	
7-302	Limit at or beyond property line	N	
7-303	Limit	N	
7-401	Collection of Samples	N	
7-402	Analysis of Samples	N	
7-403	Evaluation apparatus	N	
7-404	Evaluation Procedure	N	
7-405	Evaluation Analysis	N	
7-601	Collection of Samples	N	
7-602	Sampling Equipment and Techniques for Collection	N	
BAAQMD Condition #13096			
Part 1	Visible emission limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 2	Throughput limit requirement (basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – V
Source-specific Applicable Requirements
S603 – X3 EXTRUDER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Record keeping requirement (basis: Regulation 2-6-501; Cumulative Increase)	Y	
BAAQMD Condition #15672			
Part 5	NH3 daily and annual emission limits (basis: Cumulative Increase)	Y	
Part 10	Nickel content limit in the material processed (basis: toxic risk screen; Cumulative Increase)	Y	
Part 11	Annual source test requirement (basis: BACT)	Y	
Part 14b	Nickel content record keeping requirement (basis: Regulation 2-6-501; Cumulative Increase)	Y	

Table IV – W
Source-specific Applicable Requirements
S604 – X3 DRYER; ABATED BY A603 – X3 DRYER BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV – W
Source-specific Applicable Requirements
S604 – X3 DRYER; ABATED BY A603 – X3 DRYER BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 7	**Odorous Substances (3/17/82)**		
7-301	General limit	N	
7-302	Limit at or beyond property line	N	
7-303	Limit	N	
7-401	Collection of Samples	N	
7-402	Analysis of Samples	N	
7-403	Evaluation apparatus	N	
7-404	Evaluation Procedure	N	
7-405	Evaluation Analysis	N	
7-601	Collection of Samples	N	
7-602	Sampling Equipment and Techniques for Collection	N	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on ground level concentrations	Y	
9-1-311	Emission Limitations for Catalyst Manufacturing Plants	Y	
9-1-311.2	SO2 Emission Limit	Y	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (6/8/99)**		
9-1-301	Limitations on ground level concentrations	Y	
9-1-311	Emission Limitations for Catalyst Manufacturing Plants	Y	
9-1-311.2	SO2 Emission Limit	Y	
BAAQMD Condition #13097			
Part 1	**Nickel content limit in the material processed**	**Y**	
Part 2	Visible emission limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	
Part 3	Abatement requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311, SIP Regulation 6-301, 6-310, 6-311)	Y	
Part 4	A603 Baghouse good operating condition and pressure drop monitoring requirement (basis: Regulation 6-1-301, 6-1-310, 6-1-311, 2-1-403, SIP Regulation 6-301, 6-310, 6-311)	Y	

IV. Source-specific Applicable Requirements

Table IV – W
Source-specific Applicable Requirements
S604 – X3 DRYER; ABATED BY A603 – X3 DRYER BAGHOUSE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	A603 Baghouse air flow rate, and exhaust grain loading limits requirement (basis: Cumulative Increase)	Y	
Part 6	Natural gas fuel only, and usage limit (basis: Cumulative Increase)	Y	
Part 7	Fuel metering device requirement (basis: Cumulative Increase)	Y	
Part 8	Record keeping requirement (basis: Regulation 2-6-501; Cumulative Increase)	Y	
BAAQMD Condition #15672			
Part 5	NH3 daily and annual emission limits (basis: Cumulative Increase)	Y	
Part 10	Nickel content limit in the material processed (basis: toxic risk screen; Cumulative Increase)	Y	
Part 11	Annual source test requirement (basis: BACT)	Y	
Part 14b	Nickel content record keeping requirement (basis: Regulation 2-6-501; Cumulative Increase)	Y	

Table IV – X
Source-specific Applicable Requirements
S606 – X3 CALCINER; ABATED BY A604 -X3 CALCINER BAGHOUSE, A605 – X3 CALCINER SCR, AND A606 – X3 CALCINER CO CATALYST

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann 1 Limitation	Y	

IV. Source-specific Applicable Requirements

Table IV – X
Source-specific Applicable Requirements
S606 – X3 CALCINER; ABATED BY A604 -X3 CALCINER BAGHOUSE, A605 – X3 CALCINER SCR, AND A606 – X3 CALCINER CO CATALYST

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (3/17/82)**		
7-301	General limit	N	
7-302	Limit at or beyond property line	N	
7-303	Limit	N	
7-401	Collection of Samples	N	
7-402	Analysis of Samples	N	
7-403	Evaluation apparatus	N	
7-404	Evaluation Procedure	N	
7-405	Evaluation Analysis	N	
7-601	Collection of Samples	N	
7-602	Sampling Equipment and Techniques for Collection	N	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on ground level concentrations	Y	
9-1-311	Emission Limitations for Catalyst Manufacturing Plants	Y	
9-1-311.2	Hourly SO2 limit	Y	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (6/8/99)**		
9-1-301	Limitations on ground level concentrations	Y	
9-1-311	Emission Limitations for Catalyst Manufacturing Plants	Y	
9-1-311.2	SO2 Emission Limit	Y	
BAAQMD Condition #15672			
Part 1	Visible emissions limit requirement (basis: Regulation 1-301, 6-1-301, SIP Regulation 6-301)	Y	

IV. Source-specific Applicable Requirements

Table IV – X
Source-specific Applicable Requirements
S606 – X3 CALCINER; ABATED BY A604 -X3 CALCINER BAGHOUSE, A605 – X3 CALCINER SCR, AND A606 – X3 CALCINER CO CATALYST

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Abatement requirement, and device failure warning requirement (basis: BACT)	Y	
Part 3	A604 Baghouse air flow rate and exhaust grain loading requirement (basis: BACT; Cumulative Increase)	Y	
Part 4	Fuel and fuel usage limits (basis: Cumulative Increase)	Y	
Part 5	NH3 daily and annual emission limits (basis: Cumulative Increase)	Y	
Part 6	NOx daily and annual emission limits (basis: Cumulative Increase)	Y	
Part 7	CO abatement requirement (basis: BACT)	Y	
Part 8	CO abatement efficiency requirement (basis: BACT; Cumulative Increase)	Y	
Part 9	CO annual emission limit (basis: BACT; Cumulative Increase)	Y	
Part 10	Nickel content limit in the material processed (basis: toxic risk screen; Cumulative Increase)	Y	
Part 11	Annual source test requirement (basis: BACT)	Y	
Part 12	NOx and CO continuous emission monitoring (CEM) requirement (basis: BACT; Cumulative Increase)	Y	
Part 13	Fuel meter requirement (basis: Cumulative Increase)	Y	
Part 14	Fuel usage and nickel content record keeping requirement (basis: Regulation 2-6-501; Cumulative Increase)	Y	

Table IV – Y
Source-specific Applicable Requirements
S612 – EMERGENCY STANDBY DIESEL FIRE PUMP ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-303	Ringelmann No. 2 Limitation	N	
6-1-303.1	Ringelmann Number 2 Limitation for engines	N	
6-1-305	Visible Particulates	N	

IV. Source-specific Applicable Requirements

Table IV – Y
Source-specific Applicable Requirements
S612 – EMERGENCY STANDBY DIESEL FIRE PUMP ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/98)**		
6-303	Ringelmann No. 2 Limitation	Y	
6-303.1	Ringelmann Number 2 Limitation for engines	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (6/8/99)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants, NOx and CO from Stationary Internal Combustion Engines (7/25/07)**		
9-8-110.5	Exemptions emergency standby engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours during emergency	N	
9-8-330.3	Reliability related hours of operation effective 1/1/2012	N	1/1/2012
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 (12/15/97)**		
9-8-110.5	Exemptions emergency standby engines	Y	
9-8-330	Emergency Standby Engines, Hours of Operation	Y	
9-8-330.1	Unlimited hours during emergency	Y	
9-8-330.2	Reliability related hours of operation till 1/1/2012	Y	
9-8-330.3	Reliability related hours of operation effective 1/1/2012	Y	
9-8-530	Emergency standby engines, monitoring and recordkeeping	Y	
40 CFR, Part 63, Subpart A	**National Emissions Standards for Hazardous Air Pollutants for Source Categories – General Provisions (3/27/14)**		

IV. Source-specific Applicable Requirements

Table IV – Y
Source-specific Applicable Requirements
S612 – EMERGENCY STANDBY DIESEL FIRE PUMP ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1	Applicability	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.6(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(a)	Applicability	Y	
63.6(c)	Compliance dates for existing sources	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.8	Monitoring requirements	Y	
63.8(a)	Applicability	Y	
63.8(a)(1)	Applicability set out in §63.1(a)(4)	Y	
63.8(a)(2)	CMS requirements	Y	
63.8(b)	Conduct of Monitoring	Y	
63.8(c)	Operation and maintenance of continuous monitoring systems	Y	
63.8(c)(1)	Maintain and operate in a manner consistent with good air pollution control practices	Y	
63.8(c)(1)(ii)	Keep necessary parts for routine repairs readily available	Y	
63.8(c)(2)	Installation, location, read out	Y	
63.8(c)(3)	Verification of operational status	Y	
63.8(c)(4)	Continuous operation	Y	
63.8(d)	Quality control program	Y	
63.8(e)	Performance evaluation of continuous monitoring systems	Y	
63.8(f)	Use of an alternate monitoring method	Y	
63.8(g)	Reduction in monitoring data	Y	
63.9	Notification requirements	Y	
63.9(a)	Applicability and general information	Y	
63.9(i)	Adjustment to time periods or postmark deadlines for submittal and review of required communications	Y	
63.9(j)	Change in information already provided	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.10(a)	Applicability and general information	Y	
63.10(b)	General recordkeeping requirements	Y	
63.10(b)(1)	Format, location, retention	Y	
63.10(b)(2)	Record type		
63.10(b)(2)(vi)-(xiv)	CMS records	Y	
63.10(b)(3)	Recordkeeping for applicability determinations	Y	

IV. Source-specific Applicable Requirements

Table IV – Y
Source-specific Applicable Requirements
S612 – EMERGENCY STANDBY DIESEL FIRE PUMP ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.10(d)	General reporting requirements	Y	
63.10(d)(1)	Report submittal	Y	
63.10(e)	Additional reporting requirements for sources with continuous monitoring systems	Y	
63.10(e)(1)	General	Y	
63.10(e)(2)(i)	Reporting results of continuous monitoring system performance evaluations	Y	
63.10(f)	Waiver of recordkeeping or reporting requirements	Y	
63.13	Addresses of state air pollution control agencies and EPA regional offices	Y	
63.14	Incorporations by reference	Y	
63.15	Availability of information and confidentiality	Y	
40 CFR, Part 63, Subpart ZZZZ	**National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)**		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area sources of Haps	Y	
63.6590(a)(1)(iii)	Affected source under stationary RICE located at an area source of HAP emissions, constructed before 6/12/06	Y	
63.6595(a)	Comply with applicable emission limitations and operating limitations by 5/3/13.	Y	
63.6595(c)	Comply with applicable notification requirements in 63.6645 and 40 CFR Part 63, subpart A	Y	
63.6603(a)	Comply with requirements of Table 2d, Part 4 (operating limitations of Tables 1b and 2b do not apply): 1. Change oil & filter every 500 hours of operation or annually, whichever comes first. Oil analysis program may be used to extend period. 2. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and 3. Inspect all hoses and belts every 500 hours or annually, whichever comes first, and replace as necessary.	Y	

IV. Source-specific Applicable Requirements

Table IV – Y
Source-specific Applicable Requirements
S612 – EMERGENCY STANDBY DIESEL FIRE PUMP ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6605	General Requirements 1. Must be in compliance with applicable emission limitations and operating limitations 2. Operate engine in a manner consistent with safety and good air pollution control practices to minimize emissions.	Y	
63.6625(e)(3)	Maintain RICE and abatement controls according to manufacturer's instructions or develop own plan.	Y	
63.6625(f)	Installation of non-resettable hour meter requirement.	Y	
63.6625(h)	Minimize idling, and minimize startup time to not exceed 30 mintutes.	Y	
63.6625(i)	Oil analysis program frequency and the parameters to be analyzed.	Y	
63.6640(a)	Demonstrate compliance with the requirements of Table 2d according to work or management practices of Table 6, Part 9a.	Y	
63.6640(b)	Report deviations from the requirements of Table 2d.	Y	
63.6640(e)	Report non-compliance with the any applicable requirement of Table 8.	Y	
63.6640(f)	Comply with requirements of (f)(1)(i) through (iii) below	Y	
63.6640(f)(1)(i)	No time limit when engine is used for emergencies	Y	
63.6640(f)(1)(ii)	Operation of engine for maintenance checks and readiness testing limited to 100 hours per year	Y	
63.6640(f)(1)(iii)	Operation of engine for non-emergency and not associated with maintenance checks and readiness testing is limited to 50 hours, which is counted towards the 100 hours per year maximum specified in 63.6640(f)(1)(ii)	Y	
63.6645(a)(5)	The notification requirements of 63.6645(a) do not apply to this engine.	Y	
63.6655	Record Keeping 1. Record hours of operation 2. Install non-resettable hour meter	Y	
63.6660	Instructions for Records	Y	
63.6670	Implementation and enforcement of Subpart ZZZZ	Y	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		

IV. Source-specific Applicable Requirements

Table IV – Y
Source-specific Applicable Requirements
S612 – EMERGENCY STANDBY DIESEL FIRE PUMP ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.3(n)	Exemption for in-use emergency fire-pump assemblies	N	
93115.5	Fuel Requirements	N	
93115.10(d)(1)	Monitoring Equipment	N	
93115.10(f)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
BAAQMD Condition 22851			
Part 1	Operating hour limit for reliability related activities (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(4)(A)(1)(b))	Y	
Part 2	Allowable periods of operation (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a))	Y	
Part 3	Non-resettable totalizing meter requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	Y	
Part 4	Recordkeeping (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g), Regulation 2-6-501))	Y	
Part 5	School Proximity Requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1) or 93115.6(b)(2))	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.

Condition # 3344

For: S311, Alumina bulk bag unloader,
S312, Alumina repackaging station,
S313, Fines grinder feed hopper system,
S323, Fines grinder feed hopper system (secondary), and
A40, Repackaging Baghouse

(Revision: Application #23272)

1. The owner/operator shall ensure visible particulate emissions from each source, S311, S312, S313, and S323 shall not exceed Ringelmann 1.0 for more than 3 consecutive 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 1-301, 6-1-301, SIP Regulation 6-301)

2. The owner/operator shall not exceed the combined bulk throughput at source S311, Bulk Bag Unloader, and S312, Repackaging Station, of 12,480 tons during any consecutive twelve-month period. (basis: Cumulative Increase)

3. The owner/operator shall not exceed a total catalyst throughput at sources S313 and S323 of 4,380 tons during any consecutive twelve-month period. (basis: Cumulative Increase)

4. The owner/operator shall route all particulate emissions from S311 through S313, and S323 under negative pressure to specified Dust Collector A40. (basis: Regulation 6-1-301, 6-1-310, 6-1-311, SIP Regulation 6-301, 6-310, 6-311)

5. The owner/operator shall abate emissions from sources S311, S312, S313, and S323 by the properly maintained Dust Collector A40 at all times that S311, S312, S313, and S323 are in operation. A District approved bag failure warning device shall be installed and maintained on A40 (Dust Collector). (basis: Regulation 6-1-301, 6-1-310, 6-1-311, SIP Regulation 6-301, 6-310, 6-311)

VI. Permit Conditions

6. The outlet loading for Dust Collector A40 shall not exceed 0.005 grain/dscf. The airflow rate from A40 shall not exceed 2,900 scfm. (basis: Cumulative Increase)

7. The nickel content of the material processed in the grinder feed hoppers (S313 and S323) shall not exceed 7% by weight in any 24-hour averaging period. (basis: toxic risk screen)

8. In order to demonstrate compliance with the above conditions, the owner/operator shall maintain the following records on site, and made available for District inspection for a period of five years from the date on which a record was made.
   a. The daily throughput of product at source S 311, S312, S313, and S323 summarized on a monthly basis.
   b. Nickel content of materials processed at sources S313 and S323.
   c. Total daily hours of operation, summarized on a monthly basis.
   (basis: Regulation 2-6-501; Cumulative Increase)

Condition # 8444

For: S-1, X1 Muller
S-12, X1 Bulk Bag Unloader Station
S-13, X1 BBU Conveyor Feeder
S-14, X1 BBU Drag Conveyor
S-15, X1 BBU Muller Feeder Surge Bin
S-16, X1 BBU Muller Feeder
A-4, X1 Muller Filter Receiver
(Revision: Application #21823)

1. The owner/operator shall not exceed visible particulate emissions from the muller filter receiver A-4 of Ringelmann 1.0 for 3 or more consecutive 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 1-301, 6-1-301; SIP Regulation 6-301)

2. The owner/operator shall operate A-4, muller filter receiver, in such a manner that the air flow rate shall not exceed 1,116 SCFM, and the outlet grain loading shall not exceed 0.006 grains/dscf. (Basis: Cumulative Increase; TBACT)

3. The owner/operator shall abate emissions from sources S-1, S-12, S-13, S-14, S-15, and S-16 by the properly maintained muller filter receiver, A-4, at all times that the sources are in operation. A District-approved bag failure warning device must be in operation at all such times. (Basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311; Cumulative Increase; TBACT)

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4. The owner/operator shall not exceed the following material throughput limits at each source, S-12, S-13, S-14, S-15, and S-16 per consecutive 12-month period, and Nickel content limits.
   a. Nickel containing fines (3% Nickel) = 100 tons
   b. Nickel Carbonate (64.5% Nickel) = 60 tons
   (Basis: Cumulative Increase; ~~toxic risk screen~~Regulation 2-5-302)

5. The owner/operator shall maintain records of daily material throughput to demonstrate compliance with condition 4 in a District-approved logbook. These records shall be kept on site for a period of five years from the date of data entry, and be made available to District staff for inspection. (Basis: Recordkeeping; Cumulative Increase)

Condition # 8445

For: S401, X2 Muller; Abated by A48 X2 Muller Filter Receiver:

1. Visible particulate emissions from the area dust collector A48 shall not exceed Ringelmann 1.0 for more than 3 consecutive 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 1-301, 6-1-301, SIP Regulation 6-301)

2. The air flow rate from A48, dust collector, shall not exceed 1,116 SCFM. The outlet loading of the dust collectorA48 shall not exceed 0.006 grains/dscf. (basis: Cumulative Increase)

3. Emission from source S401 shall be abated by the properly maintained Dust Collector A48 at all times that S401 is in operation. A district approved bag failure warning device must be in operation at all such times. (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)

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Condition # 8468

For: S314 through S317, Reground fines storage silos,
S318, Fines weigh hopper blow pot,
S319, Fines bagout stations,
S320, Fines grinder,
S322, Fines tanker truck delivery system, and
A44, A45, A46, and A47 – Reground Fines Silo Dust Collectors
(Revision: A #21356; A #25657)

1. The owner/operator shall ensure visible particulate emissions from each source S314 through S320, and S322 shall not exceed Ringelmann 1.0 for more than 3 consecutive 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 1-301, 6-1-301, SIP Regulation 6-301)

2. The owner/operator shall not exceed the following material/catalyst throughput limits during any consecutive twelve-month period.
   S314 through S317: 4,380 tons,
   S318: 4,380 tons,
   S319: 4,380 tons,
   S320 & S322: 4,380 tons
   (basis: Cumulative Increase)

3. Only one silo among sources S314 through S317 shall be in active loading operation from source S313 at any one time. (basis: Cumulative Increase)

4. The owner/operator shall route all particulate emissions from sources S314 through S320, and S322 under negative pressure to specified Dust Collector A44, A45, A46, or A47. (basis: Regulation 6-1-301,6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase, TBACT, toxic risk screen)

5. The owner/operator shall abate emissions from sources S314 through S320, and S322 by the properly maintained Dust Collector A44, A45, A46 or A47 at all times that S314 through S320, and S322 are in operation. A District approved bag failure warning device shall be installed and maintained on A44, A45, A46, and A47 (Dust Collectors). (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase, TBACT, toxic risk screen)

6. The outlet loading for Dust Collector A44, A45, A46 and A47 shall not exceed 0.005 grain/dscf. The air flow rate from A44, A45, A46 and A47 shall not exceed 3,000 scfm from each unit. (basis: Cumulative Increase, TBACT, toxic risk screen)

VI. Permit Conditions

7. The nickel content of the materials processed by the handling and grinding equipment (S314 through S320, and S322) shall not exceed 7% by weight in any 24-hour averaging period. (basis: toxic risk screen)

8. In order to demonstrate compliance with the above conditions, the owner/operator shall maintain the following records on site and made available for District inspection for a period of five years from the date on which a record was made.
   a. The daily throughput of product at sources S 318, S319, S320, and S322 summarized on a monthly basis.
   b. Total daily hours of operation, summarized on a monthly basis.
   (basis: Regulation 2-6-501; Cumulative Increase)

Condition # 9315

For: S504 through S506, H2 Blending tanks,
S507, H2 Liquid/solids blender,
S509, H2 kiln feed conveyor,
S510, H2 Kiln, and
A54 – H2 Kiln Baghouse and A56 – H2 Afterburner
(Revision: A #7760; A #25461)

1. The owner/operator shall not process or handle materials, which contain more than 10% of nickel or nickel compounds by weight averaged over any consecutive 12-month period. (basis: Toxic risk screening analysis)

2. The owner/operator shall not exceed a total material throughput limit of 52 ton per day at S510 . (basis: Cumulative Increase)

3. The owner/operator shall not exceed visible particulate emissions from the area dust collector A54 of Ringelmann 1.0 for a period or periods aggregating more than three 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 1-301, 6-1-301, SIP Regulation 6-301)

4. The owner/operator shall not exceed the air flow rate from A54, dust collector of 7,500 SCFM. The outlet loading of the dust collector A54 shall not exceed 0.006 grain/dscf. (basis: TBACT; Cumulative Increase)

5. The owner/operator shall abate emissions from sources S504 through S507, S509, and S510 by the properly maintained dust collector, A54, at all times that any of the sources S504 through S507, S509, and S510 is in operation. A District approved bag failure warning device must be in operation at all such times. (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)

VI. Permit Conditions

6. The owner/operator of afterburner, A56, shall maintain the afterburner in proper operating condition, including a dedicated fuel meter. (basis: Cumulative Increase)

7. The owner/operator of afterburner, A56, shall burn only natural gas, and shall have a District approved temperature monitor. (basis: Cumulative Increase)

8. The CO contribution from A56 shall not exceed 400 ppmv dry at 3% oxygen. (basis: Cumulative Increase)

9. When the afterburner, A56, is being used to abate emissions from S504 through S507, S509, and S510, the owner/operator shall operate the afterburner, A56, at a minimum operating temperature of 1400 degree Fahrenheit and a minimum residence time of 0.4 second. (basis: Cumulative Increase)

10. The owner/operator shall operate S504 through S507, S509, and S510 so that the following emission limits are not exceeded:
    a. NOx 120 lb/day
    b. NH3 2,200 lb/day
    Whenever the total ammonia input, calculated as equivalent NH3, to sources S504, through S507, S509, and S510 exceeds 2,200 lb/day, the owner/operator shall abate sources S 504, through S507, S509, and S510 by the afterburner, A56. When the afterburner A56 is in operation, the emissions from A56 shall not exceed the following limits:
    c. NOx 120 lb/day
    d. NH3 200 lb/day
    A day shall be defined as an operating day of 24 hours from midnight to midnight. A year shall be defined as any consecutive 12-month period. (basis: Cumulative Increase)

11. Notwithstanding the terms of part 10, the operation of the afterburner A56 may be waived for a particular catalyst product and ammonia input if the owner/operator demonstrates through a District approved source test(s) representative of that catalyst product and ammonia input, that the ammonia emissions from sources S504 through S507, S509, and S510 do not exceed 2,200 lb/day. (basis: Cumulative Increase)

12. The owner/operator shall not exceed visible particulate emissions from A56 of Ringelmann 1.0 for a period or periods aggregating more than three minutes in any hour, or result in fallout on adjacent property in such quantities as to cause public nuisance per Regulation 1-301. (basis: Regulation 6-1-301, 1-301, SIP Regulation 6-301)

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13. The owner/operator of A56 shall conduct a District approved source test annually with the afterburner abatement device in operation and not in operation to demonstrate a net reduction of NH3 emissions from uncontrolled levels per operating day, and to demonstrate compliance with parts 8, 10, and 11. At a minimum, the following emissions will be measured (ppm, lb/hr, lb/day): NOx, NH3, O2, CO, and non-methane hydrocarbons. The source tests shall be conducted on representative materials processed at S504 through S507, S509, and S510 with representatively high NH3 emissions and representatively high NOx emissions to demonstrate compliance with parts 8, 10, and 11. The test results shall be reported to the District within 30 days of completion of the test. The owner/operator of A56 shall conduct the source tests annually with no more than 12 months between tests. Furthermore, the District may require at its discretion the owner/operator to conduct up to an additional two source tests annually to demonstrate continuing compliance with parts 8, 10, and 11. (basis: Cumulative Increase)

14. To demonstrate compliance with the above parts, the owner/operator shall maintain the following records in a District approved log and made available for District inspection for at least five years from the date on which a record was made.
    a. The natural gas usage of A56, totaled on a monthly basis
    b. The days of operation and type of material processed, daily throughput of each material and daily input of ammonia, calculated as equivalent NH3 at the Calciner Oven, S510, totaled on a monthly basis, as necessary to verify compliance with the emission limits of parts 10 and 11 using the emission factors generated in the source tests of part 13.
    c. All source tests results conducted for compliance with parts 8, 10, and 11.
    (basis: Cumulative Increase)

Condition # 9984
For sources S104, S105 and S106, H1 Blending Tanks and
A49, H1 Blending Tanks Baghouse:

1. Visible particulate emissions from the H-1 Baghouse, A49, shall not reach nor exceed Ringelmann 1.0 for a period or periods aggregating more than three consecutive 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, 1-301, SIP Regulation 6-301)

2. The air flow rate from A49, H-1 Baghouse, shall not exceed 3,500 SCFM. The outlet loading of the dust collector A49 shall not exceed 0.006 grains/dscf. (basis: Cumulative Increase)

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3. Emissions from sources S104, S105 and S106 shall be abated by the properly maintained H-1 Baghouse, A49, at all times that S104, S105 and/or S106, respectively, are in operation. A district approved bag failure warning device must be in operation at all such times. (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)

Condition # 13092
For source S321, Alumina Storage Silo 6 abated by A50 Alumina Silo 6 Baghouse (A/N 14899):

1. Visible particulate emissions from source S321 shall not exceed Ringelmann 1.0 for more than 3 consecutive 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, 1-301, SIP Regulation 6-301)

2. The Alumina through put at source S321 shall not exceed 9,636 tons (dry basis) during any consecutive twelve-month period. (basis: Cumulative Increase)

3. Emissions from source S321 shall be abated by the properly maintained baghouse A50 at all times that S321 is in operation. A District approved bag failure warning device shall be installed and maintained on A50. (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)

4. The outlet loading for baghouse A50 shall not exceed 0.006 grain/dscf. The air flow rate from A50 shall not exceed 150 dscfm. (basis: Cumulative Increase)

5. In order to demonstrate compliance with the above conditions, the following records shall be kept on site and made available for District inspection for a period of five years from the date on which a record was made.
   a. The daily throughput of Alumina at source S 321, summarized on a monthly basis.
   b. Total daily hours of operation, summarized on a monthly basis.
   (basis: Regulation 2-6-501; Cumulative Increase)

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Condition # 13093
For source S600, X-3 Extrudate Screener, Conveyors, and Fugitive emissions; A607, X3 Dust Collector and A603, X3 Dryer Baghouse
(A/N 14899):
(Revisions: A# 7774; A# 17565; A# 22820)

1. The owner/operator shall not process or handle materials which contain more than 3.0% of nickel or nickel compounds by weight averaged over any consecutive 12-month period. (basis: Toxic risk screening analysis)

2. The owner/operator shall not exceed visible particulate emissions from source S-600 of Ringelmann 1.0 for more than 3 consecutive minutes in any hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 6-1-301. (basis: Regulation 6-1-301, SIP Regulation 6-301)

3. The owner/operator shall abate particulate emissions from S-600 by the dust collector, A-607, at all times of operation. The exhaust from A-607 shall always be routed to the baghouse, A-603, via the calciner, S-606 (shell side) and the dryer, S-604. The particulate loading of the exhaust from the baghouse, A-603, and stack, P-603, shall not exceed 0.005 gr/dscf. The exhaust flow rate from A-603 shall not exceed 12,000 dscfm. (basis: TBACT; Cumulative Increase; permit condition ID # 13097, part 4).

4. The owner/operator shall not exceed a total material throughput limit of 36 ton per day. (basis: Cumulative Increase)

5. The owner/operator shall maintain records of daily material throughput, and calculations for nickel/nickel compounds concentration to demonstrate compliance with conditions 1 & 4 in a District approved logbook. These records shall be kept on site for a period of five years from the date of data entry and be made available to the District staff for inspection. (basis: Cumulative Increase)

Condition # 13094
For source S601, X-3 Fines Surge Hopper abated by A601 X3 Fines Surge Hopper Baghouse (A/N 14899):

1. Visible particulate emissions from source S601 shall not exceed Ringelmann 1.0 for more than 3 consecutive 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, 1-301, SIP Regulation 6-301)

2. The catalyst throughput at source S601 shall not exceed 1,400 tons (dry basis) during any consecutive twelve-month period. (basis: Cumulative Increase)

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3. Emissions from source S601 shall be abated by the properly maintained baghouse A601 at all times that S601 is in operation. A District approved bag failure warning device shall be installed and maintained on A601. (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)

4. The outlet loading for baghouse A601 shall not exceed 0.006 grain/dscf. The air flow rate from A601 shall not exceed 100 dscfm. (basis: Cumulative Increase)

5. In order to demonstrate compliance with the above conditions, the following records shall be kept on site and made available for District inspection for a period of five years from the date on which a record was made.
   a. The daily throughput of product at source S 601, summarized on a monthly basis.
   b. Total daily hours of operation, summarized on a monthly basis.
   (basis: Regulation 2-6-501; Cumulative Increase)

Condition # 13095
For source S602, X-3 Alumina Surge Hopper
abated by A602, X3 Alumina Surge Hopper Baghouse
(A/N 14899):

1. Visible particulate emissions from source S602 shall not exceed Ringelmann 1.0 for more than 3 consecutive 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 1-301, 6-1-301, SIP Regulation 6-301)

2. The Alumina through put at source S602 shall not exceed 9636 tons (dry basis) during any consecutive twelve-month period. (basis: Cumulative Increase)

3. Emissions from source S602 shall be abated by the properly maintained baghouse A602 at all times that S602 is in operation. A District approved bag failure warning device shall be installed and maintained on A602. (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)

4. The outlet loading for baghouse A602 shall not exceed 0.006 grain/dscf. The air flow rate from A602 shall not exceed 200 dscfm. (basis: Cumulative Increase)

5. In order to demonstrate compliance with the above conditions, the following records shall be kept on site and made available for District inspection for a period of five years from the date on which a record was made.
   a. The daily throughput of Alumina at source S 602, summarized on a monthly basis.
   b. Total daily hours of operation, summarized on a monthly basis.
   (basis: Regulation 2-6-501; Cumulative Increase)

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Condition # 13096
For source S603, X-3 Extruder (A/N 14899):

1. Visible particulate emissions from source S603 shall not reach nor exceed Ringelmann 1.0 for more than 3 consecutive 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 1-301, 6-1-301, SIP Regulation 6-301)

2. The combined throughput at source S603 shall not exceed 31,665 tons (wet basis) during any consecutive twelve-month period. (basis: Cumulative Increase)

3. In order to demonstrate compliance with the above conditions, the following records shall be kept on site and made available for District inspection for a period of five years from the date on which a record was made.
   a. The daily throughput of product at source S 603, summarized on a monthly basis.
   b. Total daily hours of operation, summarized on a monthly basis.
   (basis: Regulation 2-6-501; Cumulative Increase)

Condition # 13097
For source S604, X-3 Dryer abated by A603 baghouse (A/N 14899)
(Revisions: Application #22820):

1. The owner/operator shall not process materials which contain more than 3.0% of nickel or nickel compounds by weight averaged over any consecutive 12-month period. (basis: Toxic risk screening analysis)

2. The owner/operator shall not exceed visible particulate emissions from source S-604 of Ringelmann 1.0 for more than 3 consecutive 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, 1-301; SIP Regulation 6-301)

3. The owner/operator shall route all particulate matter emissions from this source (S-604) to the baghouse (A-603) at all times of operation. (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311)

4. The owner/operator shall maintain the baghouse (A-603) in good operating condition at all times of operation. The baghouse (A-603) shall be equipped with a device for measuring the pressure drop across the baghouse. (basis: Regulation 6-1-301, 6-1-310, 6-1-311, 2-1-403; SIP Regulation 6-301, 6-310, 6-311)

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5. The particulate loading of the exhaust from the baghouse, A-603, and the stack, P-603 shall not exceed 0.005 grain/dscf. The air flow rate from A-603 shall not exceed 12,000 dscfm. (basis: Cumulative Increase)

6. The total combined fuel usage at source S-604 shall not exceed 534,360 therms in any consecutive 12-month period. Only natural gas shall be burned at S-604. (basis: Cumulative Increase)

7. The owner/operator shall install and maintain a non-resettable totalizing fuel meter for natural gas, unless the owner/operator applies for and receives written approval from the District to use an alternate method for measuring the cumulative annual fuel usage. (basis: Cumulative Increase)

8. In order to demonstrate compliance with the above conditions, the owner/operator shall keep records of the natural gas usage of S-604, totaled on a monthly basis. Records shall be kept on site and made available for District inspection for a period of five years from the date on which a record was made. (basis: Regulation 2-6-501; Cumulative Increase)

Condition # 13099
For sources S2 (X-1) Dryer and S407 (X-2) Dryer,
abated by A6 -X1 Dryer Baghouse and A57- X2 Dryer Baghouse, respectively
(A/N 14899):

1. Visible particulate emissions from each source, S2 or S407, shall not exceed Ringelmann 1.0 for more than 3 consecutive 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 1-301, 6-1-301, SIP Regulation 6-301)

2. Emissions from source S2 or S407, shall be abated by the properly maintained baghouses A-6 or A-57, respectively, at all times that S2 or S407 are in operation. A District approved bag failure warning device shall be installed and maintained on A-6 and A-57 baghouses. (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311, Cumulative Increase)

3. The outlet loading for baghouses A-6 or A-57 shall not exceed 0.006 grain/dscf each. The air flow rate from A-6 or A-57 shall not exceed 8,000 dscfm each. (basis: Cumulative Increase)

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Condition # 13100
Permit conditions for Sources S7 (X-1 Kiln) and S413(X-2 Kiln) abated by A-2 X1 Kiln Baghouse and A-43 X2 Extrudate II Kiln Baghouses, respectively. S7 and S413 are also abated by A-58 Selective Catalyst Reduction (SCR) System (A/N 14899):

1. Visible particulate emissions from each source S7 or S413 shall not exceed Ringelmann 1.0 for more than 3 consecutive 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 1-301, 6-1-301, SIP Regulation 6-301)

2. Emissions from source S7 or S413 shall be abated by the properly maintained baghouse A-2 and A-43, respectively, and SCR A-58 at all times that S7 or S413 is in operation. A District approved bag failure warning device shall be installed and maintained on A-2 and A-43 baghouses. (basis: Regulation 6-1-301, 6-1-310, 6-1-311, SIP Regulation 6-301, 6-310, 6-311)

3. The outlet loading for baghouse A-2 and/or A-43 shall not exceed 0.006 grain/dscf each. The air flow rate from A-2 and A-43 shall not exceed 8,000 dscfm, combined. (basis: Cumulative Increase)

4. The total combined fuel usage at source S7 shall not exceed 700,000 therms in any consecutive 12-month period. Only natural gas shall be burned at S7. (basis: Cumulative Increase)

5. The total combined fuel usage at source S413 shall not exceed 700,000 therms in any consecutive 12-month period. Only natural gas shall be burned at S413. (basis: Cumulative Increase)

6. The NOx emissions from sources S7 and S413 through P-43 shall not exceed: 58 lb/day or 21,000 lb/yr. A day shall be defined as an operating day of 24 hours from midnight to midnight. A year shall be defined as any consecutive 12-month period. (basis: Cumulative Increase)

7. The plant shall conduct a District approved source test on the dust collector to demonstrate compliance with the 0.006 grain/dscf or less outlet grain loading, as specified in part 3. The source test shall be conducted with source S7 and/or S413, X-1 and/or X-2 Kilns operating at or near their full rated capacity of 1,680 lb/hr. (basis: Cumulative Increase)

8. To demonstrate compliance with parts 6 and 7, the owner/operator of S7, S413, A-2, A-43 and A-58 shall install and maintain a District approved continuous emission monitor (CEM) for NOx. (basis: Cumulative Increase)

9. The owner/operator of S7 and S413 shall install and maintain non-resettable

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totalizing fuel meters for natural gas for each source, unless the owner/operator applies for and receives written approval from the District to use an alternate method for measuring the cumulative annual fuel usage. (basis: Cumulative Increase)

10. In order to demonstrate compliance with the above conditions, the following records shall be kept on site and made available for District inspection for a period of five years from the date on which a record was made.
    a. The natural gas usage of S7 and S413, totaled on a monthly basis.
    (basis: Regulation 2-6-501, Cumulative Increase)

Condition # 15672
For Source S606 (X-3 Calciner)
abated by A-604 X3 Calciner Baghouse, A-605 X3 Calciner Selective Catalyst Reduction (SCR) System, And A-606 X3 Calciner CO Catalyst
A/N 18507:(Revision: A# 17565, 22820, 22844)

1. The owner/operator shall not exceed visible particulate emissions from source S606 of Ringelmann 1.0 for more than 3 consecutive 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 1-301, 6-1-301, SIP Regulation 6-301)

2. The owner/operator shall abate emissions from source S606 by the properly maintained baghouse A-604 and SCR A-605 at all times that S606 is in operation. A District approved bag failure warning device shall be installed and maintained on A-604 baghouse. (basis: BACT)

3. The owner/operator shall ensure that the particulate loading of the exhaust from the baghouse A-604, and stack, P-603 shall not exceed 0.005 grain/dscf. The air flow rate fromA-604 shall not exceed 1,736 dscfm. (basis: BACT; Cumulative Increase)

4. The owner/operator shall not exceed a total combined fuel usage at source S606 of 700,000 therms in any consecutive 12 month period. Only natural gas shall be burned at S606. (basis: Cumulative Increase)

5. The owner/operator shall not exceed the following ammonia emission limits from sources S603, S604 and S606 through P-603: NH3 = 490 lb/day or 48,000 lb/yr. A day shall be defined as an operating day of 24 hours from midnight to midnight. A year shall be defined as any consecutive 12-month period. (basis: Cumulative Increase)

6. The owner/operator shall not exceed the following NOx emission limits from S606

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(Calciner): NOx = 51 lb/day or 18,500 lb/yr. A day shall be defined as an operating day of 24 hours from midnight to midnight. A year shall be defined as any consecutive 12-month period. (basis: Cumulative Increase)

7. The owner/operator shall abate CO emissions from the X3 Calciner S606, with the CO Catalytic Oxidizer, A606, at all times the Calciner, S606, is in operation. (basis: BACT)

8. The owner/operator shall maintain the percent CO abatement efficiency of the CO Catalyst Oxidizer, A-606, of at least 90% on a mass basis, whenever the CO concentration at the A606 outlet is greater than 40 ppmv. Any indicated excess will be considered to have occurred if the average abatement efficiency over any continuous 8-hour average (15 - minutes interval readings) falls below 90% on a mass basis and the CO concentration exceeds 40 ppmv (15–miniutes interval readings). (basis: BACT; Cumulative Increase)

9. The owner/operator shall not exceed the following CO emission limit from S606 (Calciner): CO = 19,524 lb/yr. (basis: Cumulative Increase; BACT)

10. The owner/operator shall not exceed the nickel content of an average of 3.0% by weight in the materials processed in S603, S604 and S606 during any consecutive twelvemonth period. (basis: toxic risk screen; Cumulative Increase)

11. The owner/operator of S603 through S606 shall conduct source tests annually with baghouses A-603, A-604 and SCR A-605 in operation to determine compliance with part 5, with no more than 12 months between tests. Furthermore, at the District's discretion, the District may require the owner/operator to conduct up to an additional two source tests annually to determine continuing compliance with part 5. (basis: BACT)

12. To demonstrate compliance with parts 6, 8 and 9, the owner/operator of S606 shall install and maintain District approved continuous emission monitors (CEM) for NOx and CO. An alternative to a continuous emission monitor for CO may be used to demonstrate compliance with Condition 8 and 9, upon written approval by the District. (basis: Cumulative Increase; BACT)

13. The owner/operator shall install and maintain a non-re settable totalizing fuel meter for natural gas, unless the owner/operator applies for and receives written approval from the District to use an alternate method for measuring the cumulative annual fuel usage. (basis: Cumulative Increase)

14. In order to demonstrate compliance with the above conditions, the following records shall be kept onsite and made available for District inspection for a period of five years from the date on which are cord was made.
    a. The natural gas usage of S606, totaled on a monthly basis

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b. The nickel weight percent of each material processed in S603, S604 and S606. The weight average shall be calculated on a monthly basis.
(basis: Regulation 2-6-501; Cumulative Increase)

15. The owner/operator shall modify the stack, P603, by increasing its height by 7.5 feet to a total of 97.5 feet, and reducing its diameter from 46" to 34" by a conical reducer. (basis: toxic risk screening analysis)

Condition # 16736

For: S-3, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-19, S-408, S-409, S-410, S-412, S-413, S-414, S-415, S-416, S-417, S-418, S-509, S-511, S-512, S-513, S-515, S-516, S-517, S-518, S-519, and S-520: and
A-3, A-42, A-52, A-53, and A-55
(Revision: A #25657; A #25835; A #28225)

1. The owner/operator shall not exceed the following material throughput limits per consecutive 365-day period.
S-3, S-4, S-5, S-6, S-7, S-8, S-9, S-10: 8,000 tons at each source
S-11: 8,000 tons;
S-19: 3,667 tons;
S-408, S-409, S-410, S-412, S-413, S-414, S-415, S-416: 9,000 tons at each source
S-417: 9,000 tons;
S-418: 9,000 tons;
S-509, S-511, S-512, S-513: 12,000 tons at each source
S-515: 1,700 tons;
S-516: 3,300 tons;
S-517: 12,000 tons;
S-518: 12,000 tons;
S-519: 12,000 tons:
S-520: 12,000 tons.
(basis: Cumulative Increase; baseline)

2. The owner/operator shall operate in such a manner that the total particulate grain loading of the exhaust from the baghouses A-3, A-42, and A-55, shall not exceed 0.003 gr/dscf, and from the baghouses A-52 and A-53 shall not exceed 0.006 gr/dscf. These limits shall be demonstrated by conducting a source test per Part #4 below for A-3, A-42, and A-55. Source test for A-52 and A-53 is not required. (basis: baseline; TBACT; Toxic risk screen; significant deviation from source test protocol for A-52 and A-53)

3. The materials processed shall not exceed the following nickel content limits:

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a. Maximum daily average of 7% by wt., maximum monthly average of 6% by wt., and maximum 12-month rolling average of 6% by wt. at S-3, S-4, S-5, S-6, S-7, S-8, S-9, and S-10.
b. Maximum daily average of 7% by wt., maximum monthly average of 6% by wt., and maximum 12-month rolling average of 6% by wt. at S-408, S-409, S-410, S-412, S-413, S-414, S-415, S-416, S-417, and S-418.
c. Maximum daily average of 15% by wt., maximum monthly average of 15% by wt., and maximum 12-month rolling average of 7% by wt. at S-515.
d. Maximum daily average of 15% by wt., maximum monthly average of 15% by wt., and maximum 12-month rolling average of 7% by wt. at S-516.
e. Maximum daily average of 8% by wt., maximum monthly average of 7% by wt., and maximum 12-month rolling average of 7% by wt. at S-509, S-511, S-512, S-513, S-517, S-518, S-519, and S-520.

(basis: Toxic risk screen; baseline)

4. The owner/operator shall conduct a District approved source test in accordance with the District's Manual of Procedures to demonstrate compliance with part #2 mentioned above and with BAAQMD Regulation 6-1-310, SIP Regulation 6-310. The manager of the Source Test Section of the District shall be notified at least seven (7) days prior to the test date. A copy of the test report shall be submitted to the District within 30 days of the test date. Such source test shall be conducted annually or at the first opportunity the representative materials are processed after 12 months of the previous test with a copy of the test report submitted to the District. Source test report shall be kept on-site for at least five years from the date of the source test, and be made available to the District staff for inspection. (basis: Regulation 6-1-310; SIP Regulation 6-310; TBACT; Toxic risk screen; baseline)

5. Visible particulate emissions from the baghouses, A-3, A-42, A-52, A-53, and A-55 shall not exceed Ringelmann 1.0 for more than 3 consecutive minutes in any hour or result in fallout on adjacent property in such quantities as to cause public nuisance. (basis: Regulation 1-301, 6-1-301; SIP Regulation 6-301)

6. The owner/operator shall abate particulate matter emissions from the sources by the respective properly maintained baghouses at all times the sources are operating. A District approved bag failure warning device must be in operation at all such times. (basis: Regulation 6-1-301, 6-1-310, 6-1-311; SIP Regulation 6-301, 6-310, 6-311; Cumulative Increase)

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7. The owner/operator shall operate in such a manner that the maximum airflow rate from the baghouses shall not exceed the following limits:

A-3:	5,500 acfm
A-42:	8,600 acfm
A-52:	1,200 acfm
A-53:	1,200 acfm
A-55:	11,000 acfm

(basis: Cumulative Increase; baseline)

8. In order to demonstrate compliance with parts #1 & #3, the owner/operator of these sources shall keep daily records of material throughput in a District approved logbook. The records shall be kept on-site for at least five years from the date of data entry, and shall be made available to the District staff for inspection. (basis: Cumulative Increase)

Condition #22851
For S-612:

1. Operating for reliability-related activities is limited to no more than 34 hours per year per engine which is the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25. This emergency fire pump is subject to the current National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems." [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations]

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: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(B)(3)]

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:"Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]

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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: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), (or, Regulation 2-6-501)]

5. At School and Near-School Operation:
   If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:
   The owner or operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
   a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
   b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s).

   "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(1)] or (e)(2)(B)(2)]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, using the following codes: annual (A), 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.

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII.

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S1 – X1 MULLER, S12 – BULK BAG UNLOADER STATION, S13 – BBU CONVEYOR FEEDER, S14 – BBU DRAG CONVEYOR, S15 – BBU MULLER FEEDER SURGE BIN, S16 – BBU MULLER FEEDER; Abated by: A4 – X1 Muller Filter Receiver

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #8444, Part 3	C	Bag failure warning device
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #8444, Part 3	C	Bag failure warning device
	BAAQMD Condition #8444, Part 1	Y		Ringelmann 0.5	BAAQMD Condition #8444, Part 3	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #8444, Part 3	C	Bag failure warning device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S1 – X1 MULLER, S12 – BULK BAG UNLOADER STATION, S13 – BBU CONVEYOR FEEDER, S14 – BBU DRAG CONVEYOR, S15 – BBU MULLER FEEDER SURGE BIN, S16 – BBU MULLER FEEDER; Abated by: A4 – X1 Muller Filter Receiver

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #8444, Part 3	C	Bag failure warning device
FP	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	None
FP	BAAQMD Condition #8444, Part 2	Y		0.006 gr/dscf	BAAQMD Condition #8444, Part 3	C	Bag failure warning device
Air flow rate	BAAQMD Condition #8444, Part 2	Y		1,116 scfm	None	N	None

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S2 – X1 DRYER, ABATED BY A6 – X1 DRYER BAGHOUSE
S407 – X2 DRYER, ABATED BY A57 – X2 DRYER BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13099, Part 2	C	Bag failure warning device
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13099, Part 2	C	Bag failure warning device

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S2 – X1 DRYER, ABATED BY A6 – X1 DRYER BAGHOUSE
S407 – X2 DRYER, ABATED BY A57 – X2 DRYER BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Condition #13099, Part 1	Y		Ringelmann 0.5	BAAQMD Condition #13099, Part 2	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #13099, Part 2	C	Bag failure warning device
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #13099, Part 2	C	Bag failure warning device
FP	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	None
FP	BAAQMD Condition #13099, Part 3	Y		0.006 gr/dscf	BAAQMD Condition #13099, Part 2	C	Bag failure warning device
Air flow rate	BAAQMD Condition #13099, Part 3	Y		8,000 scfm	None	N	None
SO2	BAAQMD 9-1-301	N		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None
SO2	BAAQMD 9-1-311.2	N		50 lbs/hr	None	N	None
SO2	SIP 9-1-301	Y		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S2 – X1 DRYER, ABATED BY A6 – X1 DRYER BAGHOUSE
S407 – X2 DRYER, ABATED BY A57 – X2 DRYER BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	SIP 9-1-311.2	Y		50 lbs/hr	None	N	None

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S3 – X1 DRIED PRODUCT ELEVATOR; S4 – X1 DRIED PRODUCT SCREENER;
S5 – X1 LONG BREAKER; S6 – X1 KILN FEED CONVEYOR SYSTEM;
S8 – X1 CALCINED PRODUCT ELEVATOR; S9 – X1 CALCINED PRODUCT SCREENER;
S10 – X1 CALCINED PRODUCT PACKAGING;
ABATED BY A3 – X1 NUISANCE DUST BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
Opacity	BAAQMD Condition #16736, Part 5	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #16736, Part 6	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	None
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	None
FP	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S3 – X1 Dried Product Elevator; S4 – X1 Dried Product Screener; S5 – X1 Long Breaker; S6 – X1 Kiln Feed Conveyor System; S8 – X1 Calcined Product Elevator; S9 – X1 Calcined Product Screener; S10 – X1 Calcined Product Packaging; Abated by A3 – X1 Nuisance Dust Baghouse

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Condition #16736, Part 2	Y		0.003 gr/dscf	BAAQMD Condition #16736, Part 4	P/A	Source test
Through put	BAAQMD Condition #16736, Part 1	Y		8,000 tons/yr at each source	BAAQMD Condition #16736, Part 8	P/D	Recordkeeping
Nickel content	BAAQMD Condition #16736, Part 3a	Y		7% daily average, 6% monthly average, 6% 12-month average	BAAQMD Condition #16736, Part 8	P/D,M,A	Recordkeeping
Air flow rate	BAAQMD Condition #16736, Part 7	Y		5,500 acfm for A-3	None	N	None

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S7 – X1 Kiln; Abated by A2 – X1 Kiln Baghouse; S413 – X2 Kiln; Abated by A43 – X2 Kiln Baghouse; Both Abated by A58 – X1/X2 Kiln SCR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13100, Part 2	C	Bag failure warning device

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S7 – X1 KILN; ABATED BY A2 – X1 KILN BAGHOUSE;
S413 – X2 KILN; ABATED BY A43 – X2 KILN BAGHOUSE;
BOTH ABATED BY A58 – X1/X2 KILN SCR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13100, Part 2	C	Bag failure warning device
FP	BAAQMD 6-1-310	Y		0.15 gr/dscf	BAAQMD Condition #13100, Part 2	C	Bag failure warning device
	BAAQMD 6-1-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #13100, Part 2	C	Bag failure warning device
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	BAAQMD Condition #13100, Part 3	Y		0.006 gr/dscf	BAAQMD Condition #13100, Part 2	C	Bag failure warning device
	BAAQMD Condition #13100, Part 3	Y		0.006 gr/dscf for A-2, A-43	BAAQMD Condition #13100, Part 7	N	Source test
Air flow rate	BAAQMD Condition #13100, Part 3	Y		8,000 scfm combined for A-2 and A-43	None	N	None
Through put	BAAQMD Condition #16736, Part 1	Y		8,000 tons/yr for S-7	BAAQMD Condition #16736, Part 8	P/D	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S7 – X1 KILN; ABATED BY A2 – X1 KILN BAGHOUSE;
S413 – X2 KILN; ABATED BY A43 – X2 KILN BAGHOUSE;
BOTH ABATED BY A58 – X1/X2 KILN SCR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through put	BAAQMD Condition #16736, Part 1	Y		9,000 tons/yr for S-413	BAAQMD Condition #16736, Part 8	P/D	Recordkeeping
Nickel content	BAAQMD Condition #16736, Part 3a	Y		7% daily average, 6% monthly average, 6% 12-month average for S-7	BAAQMD Condition #16736, Part 8	P/D,M,A	Recordkeeping
Nickel content	BAAQMD Condition #16736, Part 3b	Y		7% daily average, 6% monthly average, 6% 12-month average for S-413	BAAQMD Condition #16736, Part 8	P/D,M,A	Recordkeeping
NOx	BAAQMD Condition #13100, Part 6	Y		58 lb/day or 21,000 lb/yr	BAAQMD Condition #13100, Part 8	C	CEM
Natural gas	BAAQMD Condition #13100, Part 4	Y		700,000 therms at S7	BAAQMD Condition #13100, Parts 9 & 10	C	Fuel meter, record keeping
	BAAQMD Condition #13100, Part 5	Y		700,000 therms at S413	BAAQMD Condition #13100, Parts 9 & 10	C	Fuel meter, record keeping
SO2	BAAQMD 9-1-301	N		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None
	BAAQMD 9-1-311.2	N		50 lbs/hr	None	N	None
SO2	SIP 9-1-301	Y		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S7 – X1 KILN; ABATED BY A2 – X1 KILN BAGHOUSE;
S413 – X2 KILN; ABATED BY A43 – X2 KILN BAGHOUSE;
BOTH ABATED BY A58 – X1/X2 KILN SCR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 9-1-311.2	Y		50 lbs/hr	None	N	None

Table VII – E
Applicable Limits and Compliance Monitoring Requirements
S11 – X1 CALCINED PRODUCT CONVEYOR;
ABATED BY A3 – X1 NUISANCE DUST BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301, Condition #16736, Part 5	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
Opacity	BAAQMD 6-301, Condition #16736, Part 5	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	None
	BAAQMD Condition #16736, Part 2	Y		0.003 gr/dscf	BAAQMD Condition #16736, Part 4	P/A	Source test
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – E
Applicable Limits and Compliance Monitoring Requirements
S11 – X1 CALCINED PRODUCT CONVEYOR; ABATED BY A3 – X1 NUISANCE DUST BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
Through-put	BAAQMD Condition #16736, Part 1	Y		8,000 tons/yr	BAAQMD Condition #16736, Part 8	P/D	Record keeping
Air flow rate	BAAQMD Condition #16736, Part 7	Y		5,500 acfm for A-3	None	N	None

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S19 – X1 RECYCLE STATION

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	None
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	None
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S19 – X1 RECYCLE STATION

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put	BAAQMD Condition #16736, Part 1	Y		3,667 tons/yr	BAAQMD Condition #16736, Part 8	P/D	Record keeping

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S104 – H1 BLENDING TANK T-1,
S105 – H1 BLENDING TANK T-2,
S106 – H1 BLENDING TANK T-3;
ABATED BY A49 – H1 BLENDING TANKS BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301, Condition #9984, Part 1	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #9984, Part 3	C	Bag failure warning device
Opacity	SIP 6-301, Condition #9984, Part 1	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #9984, Part 3	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #9984, Part 3	C	Bag failure warning device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #9984, Part 3	C	Bag failure warning device

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S104 – H1 BLENDING TANK T-1,
S105 – H1 BLENDING TANK T-2,
S106 – H1 BLENDING TANK T-3;
ABATED BY A49 – H1 BLENDING TANKS BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition #9984, Part 2	Y		0.006 gr/dscf	BAAQMD Condition #9984, Part 3	C	Bag failure warning device
Air flow rate	BAAQMD Condition #9984, Part 2	Y		3,500 scfm	None	N	None

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S303 – ALUMINA RECEIVING FLUIDSTAT STATION,
ABATED BY A32 – ALUMINA RECEIVING DUST COLLECTOR;
AND BY A320 – ALUMINA RECEIVING STATION BLOWPOT DRY IN-LINE FILTER;
S309 – ALUMINA RECIRCULATION FLUIDSTAT STATION,
ABATED BY A38 – ALUMINA RECIRCULATION BLOWPOT BAGHOUSE;
AND BY A380 – ALUMINA RECIRCULATION STATION BLOWPOT DRY IN-LINE FILTER;
S310 – ALUMINA MEASURING FLUIDSTAT STATION,
ABATED BY A39 – ALUMINA MEASURING BLOWPOT BAGHOUSE;
AND BY A390 – ALUMINA MEASURING STATION BLOWPOT DRY IN-LINE FILTER;

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S303 – ALUMINA RECEIVING FLUIDSTAT STATION, ABATED BY A32 – ALUMINA RECEIVING DUST COLLECTOR; AND BY A320 – ALUMINA RECEIVING STATION BLOWPOT DRY IN-LINE FILTER; S309 – ALUMINA RECIRCULATION FLUIDSTAT STATION, ABATED BY A38 – ALUMINA RECIRCULATION BLOWPOT BAGHOUSE; AND BY A380 – ALUMINA RECIRCULATION STATION BLOWPOT DRY IN-LINE FILTER; S310 – ALUMINA MEASURING FLUIDSTAT STATION, ABATED BY A39 – ALUMINA MEASURING BLOWPOT BAGHOUSE; AND BY A390 – ALUMINA MEASURING STATION BLOWPOT DRY IN-LINE FILTER;

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	None
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	None
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
S304 – Alumina Silo 1, Abated by A33 – Silo 1 Vent Filter; S305 – Alumina Silo 2, Abated by A34 – Silo 2 Vent Filter; S306 – Alumina Silo 3, Abated by A35 – Silo 3 Vent Filter; S307 – Alumina Silo 4, Abated by A36 – Silo 4 Vent Filter; S308 – Alumina Silo 5, Abated by A37 – Silo 5 Vent Filter

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	None
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	None
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
S311 – Alumina Bulk Bag Unloader
S312 – Alumina Repackaging Station
S313 – Fines Grinder Feed Hopper System
S323 – Fines Grinder Feed Hopper System (secondary) ; Abated by A40 – Repackaging Baghouse

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301, Condition #3344, Part 1	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #3344, Part 5	C	Bag failure warning device
Opacity	SIP 6-301, Condition #3344, Part 1	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #3344, Part 5	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #3344, Part 5	C	Bag failure warning device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #3344, Part 5	C	Bag failure warning device
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition #3344, Part 6	Y		0.005 gr/dscf	BAAQMD Condition #3344, Part 5	C	Bag failure warning device
Nickel content	BAAQMD Condition #3344, Part 7	Y		7% by weight per hour at S313 and S323	BAAQMD Condition #3344, Part 8	P/H	Record keeping
Through-put (bulk)	BAAQMD Condition #3344, Part 2	Y		12,480 tons/yr for S311 and S312	BAAQMD Condition #3344, Part 8	P/D	Record keeping
Through-put (catalyst)	BAAQMD Condition #3344, Part 3	Y		4,380 tons/yr for S313 and S323	BAAQMD Condition #3344, Part 8	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
S311 – Alumina Bulk Bag Unloader
S312 – Alumina Repackaging Station
S313 – Fines Grinder Feed Hopper System
S323 – Fines Grinder Feed Hopper System (secondary) ;
Abated by A40 – Repackaging Baghouse

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Air flow rate	BAAQMD Condition #3344, Part 6	Y		2,900 scfm	None	N	None

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S314 – Reground Fines Storage Silo TK-70112,
Abated by A44 – Reground Fines Silo Dust Collector;
S315 – Reground Fines Storage Silo TK-70113,
Abated by A45 – Reground Fines Silo Dust Collector;
S316 – Reground Fines Storage Silo TK-70114,
Abated by A46 – Reground Fines Silo Dust Collector;
S317 – Reground Fines Storage Silo TK-70115,
Abated by A47 – Reground Fines Silo Dust Collector;
S318 – Fines Weigh Hopper Blow Pot, Abated by A4, A40, A48, or A601;
S319 – Fines Bagout Station No.1 & No.2, Abated by A44 or A47;
S320 – Fines Grinder, Abated by A44, A45, A-46, or A47;
S322 – Fines Tanker Truck Delivery System, Abated by A44, A45, A-46, or A47

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #8468, Part 5	C	Bag failure warning device
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #8468, Part 5	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #8468, Part 5	C	Bag failure warning device

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S314 – REGROUND FINES STORAGE SILO TK-70112, ABATED BY A44 – REGROUND FINES SILO DUST COLLECTOR; S315 – REGROUND FINES STORAGE SILO TK-70113, ABATED BY A45 – REGROUND FINES SILO DUST COLLECTOR; S316 – REGROUND FINES STORAGE SILO TK-70114, ABATED BY A46 – REGROUND FINES SILO DUST COLLECTOR; S317 – REGROUND FINES STORAGE SILO TK-70115, ABATED BY A47 – REGROUND FINES SILO DUST COLLECTOR; S318 – FINES WEIGH HOPPER BLOW POT, ABATED BY A4, A40, A48, OR A601; S319 – FINES BAGOUT STATION NO.1 & NO.2, ABATED BY A44 OR A47; S320 – FINES GRINDER, ABATED BY A44, A45, A-46, OR A47; S322 – FINES TANKER TRUCK DELIVERY SYSTEM, ABATED BY A44, A45, A-46, OR A47

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #8468, Part 5	C	Bag failure warning device
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition #8468, Part 6	Y		0.005 gr/dscf	BAAQMD Condition. #8468, Part 5	C	Bag failure warning device
Nickel content	BAAQMD Condition #8468, Part 7	Y		7% by weight per 24-hour averaging period	BAAQMD Condition #3344, Part 8	P/H	Record keeping
Through-put (catalyst)	BAAQMD Condition #8468, Part 2	Y		4,380 tons/yr for each source	BAAQMD Condition #8468, Part 8	P/D	Record keeping
Air flow rate	BAAQMD Condition #8468, Part 6	Y		3,000 scfm from each source	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – L
Applicable Limits and Compliance Monitoring Requirements
S321 – ALUMINA STORAGE SILO; ABATED BY A50 – ALUMINA SILO 6 VENT FILTER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13092, Part 3	C	Bag failure warning device
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13092, Part 3	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #13092, Part 3	C	Bag failure warning device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #13092, Part 3	C	Bag failure warning device
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition #13092, Part 4	Y		0.005 gr/dscf	BAAQMD Condition. #13092, Part 3	C	Bag failure warning device
Through-put (Alumina)	BAAQMD Condition #13092, Part 2	Y		9,636 tons/yr	BAAQMD Condition #13092, Part 5	P/D	Record keeping
Air flow rate	BAAQMD Condition #13092, Part 4	Y		150 scfm	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S401 – X2 MULLER; ABATED BY A48 – X2 MULLER FILTER RECEIVER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #8445, Part 3	C	Bag failure warning device
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #8445, Part 3	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #8445, Part 3	C	Bag failure warning device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #8445, Part 3	C	Bag failure warning device
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition #8445, Part 2	Y		0.006 gr/dscf	BAAQMD Condition #8445, Part 3	C	Bag failure warning device
Air flow rate	BAAQMD Condition #8445, Part 2	Y		1,116 scfm	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S408 – X2 DRIED PRODUCT ELEVATOR, S409 – X2 DRIED PRODUCT SCREENER S410 – X2 LONG BREAKER, S412 – X2 KILN FEED CONVEYOR, S414 – X2 CALCINED PRODUCT ELEVATOR, S415 – X2 CALCINED PRODUCT SCREENER S416 – X2 CALCINED PRODUCT PACKAGING, S417 – X2 CALCINED PRODUCT CONVEYOR, S418 – X2 RECYCLE STATION, ABATED BY A42 – X2 NUISANCE DUST BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
	BAAQMD Condition #16736, Part 5	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #16736, Part 6	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	None
	BAAQMD Condition #16736, Part 2	Y		0.003 gr/dscf	BAAQMD Condition #16736, Part 4	P/A	Source test
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	None
FP	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
Through put	BAAQMD Condition #16736, Part 1	Y		9,000 ton/yr at each source	BAAQMD Condition #16736, Part 8	P/D	Recordkeeping
Nickel content	BAAQMD Condition #16736, Part 3b	Y		7% daily average, 6% monthly average, 6% 12-month average for S-7	BAAQMD Condition #16736, Part 8	P/D	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S408 – X2 Dried Product Elevator, S409 – X2 Dried Product Screener S410 – X2 Long Breaker, S412 – X2 Kiln Feed Conveyor, S414 – X2 Calcined product Elevator, S415 – X2 Calcined Product Screener S416 – X2 Calcined Product Packaging, S417 – X2 Calcined Product Conveyor, S418 – X2 Recycle Station, Abated by A42 – X2 Nuisance Dust Baghouse

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Air flow rate	BAAQMD Condition #16736, Part 7	Y		8,600 acfm for A-42	N	N	N

Table VII – O
Applicable Limits and Compliance Monitoring Requirements
S515 – H2 Solid Additive Hopper A, Abated by A52 – H2 Solid Additive Hopper A Filter Receiver; S516 – H2 Solid Additive Hopper B, Abated by A53 – H2 Solid Additive Hopper B Filter Receiver;S517 – H2 Product Recycle System, S518 – H2 Calcined Feed System, S519 – H2 Spherical Hopper System, S520 – H2 Calcined Feed bagout Station, S517, S518, S519, and S520 Abated by A55 – H2 Nuisance Baghouse

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301, Condition #16736, Part 5	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #16736, Part 6	C	Bag failure warning device
Opacity	SIP 6-301, Condition #16736, Part 5	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #16736, Part 6	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – O
Applicable Limits and Compliance Monitoring Requirements
S515 – H2 Solid Additive Hopper A, Abated by A52 – H2 Solid Additive Hopper A Filter Receiver; S516 – H2 Solid Additive Hopper B, Abated by A53 – H2 Solid Additive Hopper B Filter Receiver; S517 – H2 Product Recycle System, S518 – H2 Calcined Feed System, S519 – H2 Spherical Hopper System, S520 – H2 Calcined Feed bagout Station, S517, S518, S519, and S520 Abated by A55 – H2 Nuisance Baghouse

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	None
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition #16736, Part 2	Y		0.003 gr/dscf for A-55 0.006 gr/dscf for A-52 & A-53	BAAQMD Condition #16736, Part 4	P/A	Source test
Through-put	BAAQMD Condition #16736, Part 1	Y		S515: 1,700 tons/yr S516: 3,300 tons/yr S517: 12,000 tons/yr S518: 12,000 tons/yr S519: 12,000 tons/yr S520: 12,000 tons/yr	BAAQMD Condition #16736, Part 8	P/D	Record keeping
Nickel content	BAAQMD Condition #16736, Part 3c,d,e	Y		15% daily average, 15% monthly average, 7% 12-month average for S515 & S516; 8% daily average, 7% monthly average, 7% 12-month average for S517, S518, S519, S520	BAAQMD Condition #16736, Part 8	P/D	Record keeping
Air flow rate	BAAQMD Condition #16736, Part 7	Y		1,200 acfm for A52 & A53; 12,000 acfm for A55	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
S502 – NICKEL SOLUTION TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Ni	BAAQMD Regulation 2-1, Table 2-1-316	Y		0.73 lb/yr	BAAQMD 2-1-316.1	P/Annual	Record keeping

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
S504 – H2 BLENDING TANK T-1, S505 – H2 BLENDING TANK T-2, S506 – H2 BLENDING TANK T-3, S507 – H2 LIQUID/SOLID BLENDER, S510 – H2 Kiln,
ABATED BY A54 – H2 KILN BAGHOUSE AND BY A56 – H2 AFTERBURNER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #9315, Part 5	C	Bag failure warning device
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #9315, Part 5	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #9315, Part 5	C	Bag failure warning device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #9315, Part 5	C	Bag failure warning device

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
S504 – H2 Blending Tank T-1, S505 – H2 Blending Tank T-2, S506 – H2 Blending Tank T-3, S507 – H2 Liquid/Solid Blender, S510 – H2 Kiln, Abated by A54 – H2 Kiln Baghouse and by A56 – H2 Afterburner

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition #9315, Part 4	Y		0.006 gr/dscf	BAAQMD Condition #9315, Part 5	C	Bag failure warning device
Air flow rate	BAAQMD Condition #9315, Part 4	Y		7,500 scfm	None	N	None
NOx	BAAQMD Condition #9315, Part 10	Y		120 lb/day	BAAQMD Condition #9315, Part 13 & 14	P/A and D	Source test (A), Record keeping (D)
NH3	BAAQMD Condition #9315, Part 10	Y		2,200 lb/day, and 200 lb/day (when A-56 in operation)	BAAQMD Condition #9315, Part 13	P/A and D	Source test (A), Record keeping (D)
CO	BAAQMD Condition #9315, Part 8	Y		400 ppmv dry @ 3% Oxygen	BAAQMD Condition #9315, Part 13	P/A	Source test
Temp-erature (A-56)	BAAQMD Condition #9315, Part 9	Y		1400 degree F	BAAQMD Condition #9315, Part 7	C	Temperature Monitor
Residence time (A-56)	BAAQMD Condition #9315, Part 9	Y		0.4 second	BAAQMD Condition #9315, Part 13	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – R
Applicable Limits and Compliance Monitoring Requirements
S509 – H2 KILN FEED CONVEYOR
S511 – H2 PRODUCT CONVEYOR
S512 – H2 PRODUCT SCREENER
S513 – H2 PRODUCT PACKAGING;
ABATED BY A55 – H2 NUISANCE BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
Opacity	SIP 6-301	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
	BAAQMD condition 16736, part 5	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD condition 16736, part 6	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	None
	BAAQMD condition 16736, part 2	Y		0.003 gr/dscf for A-55	BAAQMD condition 16736, part 4	P/A	Source test
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	None
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
Through put	BAAQMD condition 16736, part 1	Y		12,000 ton/yr at each source	BAAQMD condition 16736, part 8	P/D	Record keeping
Nickel content	BAAQMD condition 16736, part 3e	Y		8% daily average, 7% monthly average, 7% 12-month average	BAAQMD condition 16736, part 8	P/D,M,A	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – R
Applicable Limits and Compliance Monitoring Requirements
S509 – H2 KILN FEED CONVEYOR
S511 – H2 PRODUCT CONVEYOR
S512 – H2 PRODUCT SCREENER
S513 – H2 PRODUCT PACKAGING;
ABATED BY A55 – H2 NUISANCE BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Air flow rate	BAAQMD condition 16736, part 7	Y		11,000 acfm for A-55	None	N	None

Table VII – S
Applicable Limits and Compliance Monitoring Requirements
S600 – X3 DRIED EXTRUDER, SCREENER, CONVEYOR;
ABATED BY A607 – X3 DUST COLLECTOR,
FOLLOWED BY A603 – X3 DRYER BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301, Condition #13093, Part 2	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
Opacity	SIP 6-301, Condition #13093, Part 2	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition # 15672, Part 2	C	Bag failure warning device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – S
Applicable Limits and Compliance Monitoring Requirements
S600 – X3 DRIED EXTRUDER, SCREENER, CONVEYOR; ABATED BY A607 – X3 DUST COLLECTOR, FOLLOWED BY A603 – X3 DRYER BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition # 15672, Part 2	C	Bag failure warning device
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition # 13093, Part 3	Y		0.005 gr/dscf	BAAQMD Condition # 13097, Part 4	C	Bag failure warning device
Air flow rate	BAAQMD Condition # 13093, Part 3	Y		12,000 cfm	None	N	None
Through-put	BAAQMD Condition #13093, Part 4	Y		36 tons/day	BAAQMD Condition #13093, Part 5	P/D	Record keeping
Nickel & Nickel compounds content	BAAQMD Condition #13093, Part 1	Y		3% by weight averaged over any consecutive 12-month period	BAAQMD Condition #13093, Part 5	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – T
Applicable Limits and Compliance Monitoring Requirements
S601 – X3 FINES SURGE HOPPER;
ABATED BY A601 – X3 FINES SURGE HOPPER BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301, Condition #13094, Part 1	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13094, Part 3	C	Bag failure warning device
Opacity	SIP 6-301, Condition #13094, Part 1	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13094, Part 3	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #13094, Part 3	C	Bag failure warning device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #13094, Part 3	C	Bag failure warning device
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition #13094, Part 4	Y		0.006 gr/dscf	BAAQMD Condition #13094, Part 3	C	Bag failure warning device
Air flow rate	BAAQMD Condition #13094, Part 4	Y		100 scfm	None	N	None
Through-put (catalyst)	BAAQMD Condition #13094, Part 2	Y		1,400 tons/yr	BAAQMD Condition #13094, Part 5	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – U
Applicable Limits and Compliance Monitoring Requirements
S602 – X3 ALUMINA SURGE HOPPER;
ABATED BY A602 - X3 ALUMINA SURGE HOPPER BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301, Condition #13095, Part 1	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13095, Part 3	C	Bag failure warning device
Opacity	SIP 6-301, Condition #13095, Part 1	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13095, Part 3	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #13095, Part 3	C	Bag failure warning device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #13095, Part 3	C	Bag failure warning device
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition #13095, Part 4	Y		0.006 gr/dscf	BAAQMD Condition #13095, Part 3	C	Bag failure warning device
Air flow rate	BAAQMD Condition #13095, Part 4	Y		200 scfm	BAAQMD Condition #13095, Part 4	N	None
Through-put (Alumina)	BAAQMD Condition #13095, Part 2	Y		9,636 tons/yr	BAAQMD Condition #13095, Part 5	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – V
Applicable Limits and Compliance Monitoring Requirements
S603 – X3 EXTRUDER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301, Condition #13096, Part 1	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
Opacity	SIP 6-301, Condition #13096, Part 1	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	None	N	None
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	None
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	None
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
NH3	BAAQMD #15672, Part 5	Y		490 lb/day or 48,000 lb/yr	BAAQMD Condition #15672, Part 11	P/A	Source test
Through-put	BAAQMD Condition #13096, Part 2	Y		31,665 tons/yr	BAAQMD Condition #13096, Part 3	P/D	Record keeping
Nickel content	BAAQMD Condition #15672, Part 10	Y		3% by weight per consecutive 12-month averaging period	BAAQMD Condition #15672, Part 14	P/M	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W
Applicable Limits and Compliance Monitoring Requirements
S604 – X3 DRYER; ABATED BY A603 X3 DRYER BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301, Condition #13097, Part 2	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13097, Part 4	C	Pressure drop monitoring device
Opacity	SIP 6-301, Condition #13097, Part 2	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #13097, Part 4	C	Pressure drop monitoring device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #13097, Part 4	C	Pressure drop monitoring device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #13097, Part 4	C	Pressure drop monitoring device
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
	BAAQMD Condition #13097, Part 5	Y		0.005 gr/dscf	BAAQMD Condition #13097, Part 4	C	Pressure drop monitoring device
NH3	BAAQMD #15672, Part 5	Y		490 lb/day or 48,000 lb/yr	BAAQMD Condition #15672, Part 11	P/A	Source test
Nickel content	BAAQMD Condition #15672, Part 10	Y		3% by weight per consecutive 12-month averaging period	BAAQMD Condition #15672, Part 14	P/M	Record keeping
Air flow rate	BAAQMD Condition #13097, Part 5	Y		12,000 scfm	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W
Applicable Limits and Compliance Monitoring Requirements
S604 – X3 DRYER; ABATED BY A603 X3 DRYER BAGHOUSE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Natural gas	BAAQMD Condition #13097, Part 6	Y		534,360 therms/yr	BAAQMD Condition #13097, Part 7 and 8	C/M	Fuel meter and Record keeping

Table VII – X
Applicable Limits and Compliance Monitoring Requirements
S606 – X3 CALCINER; ABATED BY A604 X3 CALCINER BAGHOUSE, A605 – X3 CALCINER SCR, AND A606 – X3 CALCINER CO CATALYST

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301, Condition #15672, Part 1	N		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #15672, Part 2	C	Bag failure warning device
Opacity	SIP 6-301, Condition #15672, Part 1	Y		Ringelmann 1.0 for $\leq$ 3 minutes/hr	BAAQMD Condition #15672, Part 2	C	Bag failure warning device
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #15672, Part 2	C	Bag failure warning device
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #15672, Part 2	C	Bag failure warning device
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – X
Applicable Limits and Compliance Monitoring Requirements
S606 – X3 CALCINER; ABATED BY A604 X3 CALCINER BAGHOUSE, A605 – X3 CALCINER SCR, AND A606 – X3 CALCINER CO CATALYST

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition #15672, Part 3	Y		0.005 gr/dscf	BAAQMD Condition #15672, Part 2	C	Bag failure warning device
NOx	BAAQMD Condition #15672, Part 6	Y		51 lb/day or 18,500 lb/yr	BAAQMD Condition #15672, Part 12	C	CEM
CO	BAAQMD Condition #15672, Part 9	Y		19,524 lb/yr	BAAQMD Condition #15672, Part 12	C	CEM
	BAAQMD Condition #15672, Part 8	Y		40 ppmv	BAAQMD Condition #15672, Part 12	C	CEM
CO abatement efficiency	BAAQMD Condition #15672, Part 8	Y		90% mass basis	BAAQMD Condition #15672, Part 12	C	CEM
NH3	BAAQMD #15672, Part 5	Y		490 lb/day or 48,000 lb/yr	BAAQMD Condition #15672, Part 11	P/A	Source test
SO2	BAAQMD 9-1-301	N		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None
	BAAQMD 9-1-311.2	N		50 lbs/hr	None	N	None
SO2	SIP 9-1-301	Y		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – X
Applicable Limits and Compliance Monitoring Requirements
S606 – X3 CALCINER; ABATED BY A604 X3 CALCINER BAGHOUSE, A605 – X3 CALCINER SCR, AND A606 – X3 CALCINER CO CATALYST

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 9-1-311.2	Y		50 lbs/hr	None	N	None
Nickel content	BAAQMD Condition #15672, Part 10	Y		3% by weight per consecutive 12-month period	BAAQMD Condition #15672, Part 14	P/M	Record keeping
Air flow rate	BAAQMD Condition #15672, Part 3	Y		1,736 scfm	None	N	None
Natural gas	BAAQMD Condition #15672, Part 4	Y		700,000 therms	BAAQMD Condition #15672, Part 13 & 14	P/C/M	Fuel meter, Record keeping

Table VII – Y
Applicable Limits and Compliance Monitoring Requirements
S612 – EMERGENCY STANDBY DIESEL FIRE PUMP ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-301 BAAQMD	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	P/E	Fuel certification by vendor
	BAAQMD 9-1-304	Y		Sulfur content of fuel <0.5% by weight	None	P/E	Fuel certification by vendor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Y
Applicable Limits and Compliance Monitoring Requirements
S612 – EMERGENCY STANDBY DIESEL FIRE PUMP ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-303	N		≥ Ringelmann 2 for ≤ 3 min/hr		N	
Opacity	SIP Regulation 6-303	Y		≥ Ringelmann 2 for ≤ 3 min/hr		N	
FP	BAAQMD 6-1-310	N		0.15 grain/dscf		N	
FP	SIP Regulation 6-310	Y		0.15 grain/dscf		N	
Hours of operation	BAAQMD 9-8-330.1	N		Emergency use for an unlimited number of hours	BAAQMD 9-8-530	C P/E	Hour meter, recordkeeping
	SIP Regulation 9-8-330.1	Y		Emergency use for an unlimited number of hours	SIP Regulation 9-8-530	C P/E	Hour meter, recordkeeping
	40 CFR 63.6640 (f)(1)(i)	Y		Emergency use for an unlimited number of hours	40 CFR 63.6655	C P/E	Hour meter, recordkeeping
Hours of operation	BAAQMD 9-8-330.2	N		Reliability-related activities not to exceed 100 hours in any consecutive 12-month period	BAAQMD 9-8-530	C P/E	Hour meter, recordkeeping
	SIP Regulation 9-8-330.2	Y		Reliability-related activities not to exceed 100 hours in any consecutive 12-month period	SIP Regulation 9-8-530	C P/E	Hour meter, recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Y
Applicable Limits and Compliance Monitoring Requirements
S612 – EMERGENCY STANDBY DIESEL FIRE PUMP ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	40 CFR 63.6640 (f)(1)(ii)	Y		Reliability-related activities not to exceed 100 hours in any consecutive 12-month period	40 CFR 63.6655	C P/E	Hour meter, recordkeeping
Hours of Operation	BAAQMD Regulation 9-8-330.3	N		<50 hours each per calendar year for reliability testing	BAAQMD Regulation 9-8-530	C P/E	Hour meter, recordkeeping
	SIP Regulation 9-8-330.3	Y		<50 hours each per calendar year for reliability testing	SIP Regulation 9-8-530	C P/E	Hour meter, recordkeeping
	40 CFR 63.6640 (f)(1)(iii)	Y		<50 hours each per calendar year for reliability testing	40 CFR 63.6655	C P/E	Hour meter, recordkeeping
Hours of Operation	BAAQMD Condition #22851 Part 1	Y		<= 34 hours/year for reliability-related activities	BAAQMD Condition #22851, Parts 3 and 4	C P/E	Hour meter, recordkeeping
	BAAQMD Condition #22851 Part 2	Y		Emergency use for an unlimited number of hours	BAAQMD Condition #22851 Parts 3 and 4	C P/E	Hour meter, recordkeeping
Oil and filter change	40 CFR 63.6603(a)	Y		Every 500 hours of operation or annually, whichever comes first.	40 CFR 63.6655(e)(3)	P/E	Recordkeeping
Air cleaner inspection	40 CFR 63.6603 (a)	Y		Every 1000 hours of operation or annually, whichever comes first.	40 CFR 63.6655(e)(3)	P/E	Recordkeeping
Hoses and belts inspection and replace as necessary	40 CFR 63.6603(a)	Y		Every 500 hours of operation or annually, whichever comes first.	40 CFR 63.6655(e)(3)	P/E	Recordkeeping

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits included in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII
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
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 6-1-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
SIP 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
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 9-1-301	Ground Level Concentrations, SO2	Manual of Procedures, Volume VI, Section 1.

VI. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-1-311.2	Emission Limitations, SO2	Manual of Procedures, Volume IV, ST-19A or B.
SIP 9-1-301	Ground Level Concentrations, SO2	Manual of Procedures, Volume VI, Section 1.
SIP 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
SIP 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
SIP 9-1-311.2	Emission Limitations, SO2	Manual of Procedures, Volume IV, ST-19A or B.
BAAQMD Conditions #9315, #13100, #15672,	Emission Limit, NOx	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling or EPA Method 7E, 40 CFR Part 60 Appendix A
BAAQMD Condition #9315, #15672,	Emission Limit, CO	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide
BAAQMD Condition #9315	Stack-gas Oxygen	Manual of Procedures, Volume IV, ST-14, Oxygen
BAAQMD Condition #9315, #15672	Emission Limit, NH3	Manual of Procedures, Volume IV, ST-1B, Ammonia
BAAQMD Condition #3344, #8468, #15672	Ni content	Atomic Absorption Spectro-photometry
BAAQMD Condition #16736	Hexavalent Chromium	Manual of Procedures, Volume III, Method 34

IX. PERMIT SHIELD

Not applicable

X. REVISION HISTORY

Final Title V Permit (Application 18172)	November 30, 2001
Minor Revision (Application 6134): Capacity for S-321, Silo, changed from operating rate to volume	January 7, 2003
Renewal (Application 14581)	December 15, 2008
Administrative Amendment (Application 23611): Sources S109, S110, S201, S205, S206, S207, S208, S210, S211, S216, S220, S221, S222 thru S231, and Abatement Devices A12, A15, A21 thru A26 deleted because they were dismantled and removed from operation.	September 1, 2011
Minor Revision (Application 23296): New sources S322 and S323 added. Permit conditions for S322, S323, and S606 revised.	February 14, 2012
Renewal (Application 25461) NSR applications 21823, 22820, 22844, 24919, 25657, 25835, and 28225 were folded into the renewal application instead of processing individually as minor revisions. Abatement devices were included in titles of Tables IV and VII and in permit condition headers.	January 23, 2018

XI. GLOSSARY

ACT
Federal Clean Air Act

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

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 CFR contain the requirements for air pollution programs.

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.

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), including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

XI. Glossary

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 40 CFR Part 63.

Major Facility
A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

MFR
Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Federal Clean Air 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. See in 40 CFR Parts 61 and 63

NMHC
Non-methane Hydrocarbons

NOx
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 Federal Clean Air Act, and implemented by 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 pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the Federal Clean Air Act and implemented by 40 CFR Parts 51 and 52 and District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

XI. Glossary

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets for the emissions from a new or modified source. Applies to emissions of POC, NOx, PM10, and SO2.

Phase II Acid Rain Facility
A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

POC
Precursor Organic Compounds

PM
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 those 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 Regulation 2, Rule 2.

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.

TRMP
Toxic Risk Management Plan

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

XI. Glossary

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