The following tables list the compliance status for each source. An "X" in the Yes column means that unit is in compliance. An asterisk placed by "X*" or an "I*" (intermittent) indicates that there was an episode report and a breach of the permit conditions during the time frame of the report.

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S1 – X1 MULLER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (C/I/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #8444, part 3	C	Bag failure warning device	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #8444, part 3	C	Bag failure warning device	X	
	BAAQMD condition #8444, part 1	Y		Ringelmann 1.0	BAAQMD condition #8444, part 3	C	Bag failure warning device	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD condition #8444, part 3	C	Bag failure warning device	X	
	BAAQMD 6-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	None	X	
PP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #8444, part 3	C	Bag failure warning device	X	
	SIP 6-311	Y		0.15 gr/dscf	BAAQMD condition #8444, part 3	C	Bag failure warning device	X	
	BAAQMD condition #8444, part 2	Y		0.005 gr/dscf	BAAQMD condition #8444, part 3	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition #8444, part 2	Y		2,116 scfm		N	None	X	

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Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S2 - X1 DRYER
S407 – X2 DRYER

Type of Limit	Citation of Limit	TE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (D/W/M/Q/Y/O/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #13099, part 2	C	Bag failure warning device	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #13099, part 2	C	Bag failure warning device	X	
	BAAQMD condition #13099, part 1	Y		Ringelmann 1.0	BAAQMD condition #13099, part 3	C	Bag failure warning device	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD condition #13099, part 2	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
PP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #13099, part 2	C	Bag failure warning device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #13099, part 3	Y		0.006 gr/dscf	BAAQMD condition #13099, part 2	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition #13099, part 3	Y		8,000 scfm	NONE	N	NONE	X	
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 hrs	NONE	N	NONE	X	

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	BAAQMD 9-1-311.2	N		50 lbs/hr	NONE	N	NONE	X	
SO2	SIP 9-1-301	Y		Ground level concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	NONE	N	NONE	X	
	SIP 9-1-311.2	Y		50 lbs/hr	NONE	N	NONE	X	

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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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/CON)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-301	N		Ringelmann 1.0 lb < 3 minutes/hr	NONE	N	NONE	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	NONE	N	NONE	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	NONE	N	NONE	X	
	BAAQMD 6-1-311	N		$4.10^{(0.67)}$ lb/hr. where P is process weight, ton/hr	NONE	N	NONE	X	
PP	SIP 6-310	Y		0.15 gr/dscf	NONE	N	NONE	X	
	SIP 6-311	Y		$4.10^{(0.67)}$ lb/hr. where P is process weight, ton/hr	NONE	N	NONE	X	

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Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S7 - X1 KILN
S413 – X2 KILN

Type of Limit	Citation of Limit	PE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (C/I/N)	Monitoring Type	Compliance Y/N Yes	Compliance Y/N No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #13100, part 2	C	Bag failure warning device	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #13100, part 2	C	Bag failure warning device	X	
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD condition #13100, part 2	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #13100, part 2	C	Bag failure warning device	X	
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	BAAQMD condition #13100, part 3	Y		0.006 gr/dscf	BAAQMD condition #13100, part 3	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition #13100, part 3	Y		8,000 scfm	NONE	N	NONE	X	
NOx	BAAQMD condition #13100, part 6	Y		58 lb/day or 21,000 lb/yr	BAAQMD condition #13100, part 8	C	CEM	X	
Natural gas	BAAQMD condition #13100, part 4	Y		700,000 therms at S7	BAAQMD condition #13100, part 9 & 10	C	Fuel meter, record keeping	X	
	BAAQMD condition #13100, part 5	Y		700,000 therms at S413	BAAQMD condition #13100, part 9 & 10	C	Fuel meter, record keeping	X	

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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	X	
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	X	
	SIP 9-1-311.2	Y		50 lbs/hr	NONE	N	NONE	X	

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Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S11 - X1 Calcined Product Conveyor

Type of Limit	Citation of Limit	FE: Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance: Yes	Compliance: No, if
Opacity	BAAQMD 6-301, Condition # 16736, part 5	Y		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	
TP	BAAQMD 6-310	N		0.15 gr/dscf	None	N	None	X	
	BAAQMD 6-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	
PP	SIP 6-310	Y		0.15 gr/dscf	None	N	None	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	
Through-put	BAAQMD condition #16736, part 1	Y		11,000 tons/yr	BAAQMD condition #16736, part 6	P/D	Record keeping	X	

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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 (D/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	
PP	BAAQMD 6-310	N		0.15 gr/dscf	None	N	None	X	
	BAAQMD 6-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	
PP	SIP 6-310	Y		0.15 gr/dscf	None	N	None	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	
Throughput	BAAQMD condition #16736, part 1	Y		3,565 tons/yr	BAAQMD condition #16736, part 6	PD	Record keeping	X	

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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

Type of Limit	Citation of Limit	PL Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (D/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301, Condition 9984, part 1	N		Ringelmann 1.0 for ≤ 3 minutes/hr	BAAQMD condition #9984, part 3	C	Bag failure warning device	X	
Opacity	SIP 6-301, Condition 9984, part 1	Y		Ringelmann 1.0 for ≤ 3 minutes/hr	BAAQMD condition #9984, part 3	C	Bag failure warning device	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD condition #9984, part 3	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	
PP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #9984, part 3	C	Bag failure warning device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	
	BAAQMD condition #9984, part 2	Y		0.0006 gr/dscf	BAAQMD condition #9984, part 3	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition #9981, part 2	Y		3,500 scfm	None	N	None	X	

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Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S107 - H1 Liquid/Solid Blender

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (PCCN)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	

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Table VII - 1
Applicable Limits and Compliance Monitoring Requirements
S111 – O4 Calcined Product Elevator
S112 – O4 Calcined Product Screener
S113 – O4 Calcined Product Packaging
S114 – O4 Kiln Hopper

Type of Limit	Citation of Limit	FF Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/O)	Monitoring Type	Compliance Y/N	
Opacity	BAAQMD 6-1-301, condition #12128 part 1	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #13138, part 2	C	Bag failure warning device	X	
Opacity	SIP 6-301, condition #13138 part 1	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #12138, part 3	C	Bag failure warning device	X	
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD condition #13138, part 3	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #12138, part 3	C	Bag failure warning device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #12138, part 2	Y		0.006 gr/dscf	BAAQMD condition #13138, part 3	C	Bag failure warning device	X	
	BAAQMD condition #13138, part 2	Y		0.39 lb/hr	BAAQMD condition #12138, part 3	C	Bag failure warning device	X	

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Table VII - J
Applicable Limits and Compliance Monitoring Requirements
S303 - ALUMINA RECEIVING FLUIDSTAT STATION
S309 – ALUMINA RECIRCULATION FLUIDSTAT STATION
S310 – ALUMINA MEASURING FLUIDSTAT STATION

Type of Limit	Citation of Limit	PE, Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/O/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for <3 minutes/hr	NONE	N	NONE	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for <3 minutes/hr	NONE	N	NONE	X	
TP	BAAQMD 6-1-310	N		0.15 gr/dscf	NONE	N	NONE	X	
	BAAQMD 6-1-311	N		$4.10^{0.67} P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
TP	SIP 6-310	Y		0.15 gr/dscf	NONE	N	NONE	X	
	SIP 6-311	Y		$4.10^{0.67} P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	

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Table VII - K
Applicable Limits and Compliance Monitoring Requirements
S304 - ALUMINA SILO 1
S305 – ALUMINA SILO 2, S306 – ALUMINA SILO 3
S307 – ALUMINA SILO 4, S308 – ALUMINA SILO 5

Type of Limit	Citation of Limit	PE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (PICON)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	NONE	N	NONE	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	NONE	N	NONE	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	NONE	N	NONE	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
PP	SIP 6-310	Y		0.15 gr/dscf	NONE	N	NONE	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	

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Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S311 - ALUMINA BULK BAG UNLOADER
S312 – ALUMINA REPACKAGING STATION
S313 – FINES GRINDER FEED HOPPER SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301, condition #3344, part 1	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #3344, part 5	C	Bag failure warning device	X	
Opacity	SIP 6-301, condition #3344, part 1	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #3344, part 5	C	Bag failure warning device	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #3344, part 5	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}/3600$, where P is process weight, lun/hr	NONE	N	NONE	X	
PP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #3344, part 5	C	Bag failure warning device	X	
	BAAQMD 6-311	Y		$4.10P^{0.67}/3600$, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #3344, part 6	Y		0.005 gr/dscf	BAAQMD condition #3344, part 5	C	Bag failure warning device	X	
Nickel content	BAAQMD condition #3344, part 8	Y		7% by weight per hour at S313	BAAQMD condition #3344, part 9	P/H	Record keeping	X	
Through-put (bulk)	BAAQMD condition #3344, part 2	Y		12,480 tons/yr for S311 and S312	BAAQMD condition #3344, part 9	P/D	Record keeping	X	
Through-put (catalyst)	BAAQMD condition #3344, part 3	Y		4,380 tons/yr for S313	BAAQMD condition #3344, part 9	P/D	Record keeping	X	
Air flow rate	BAAQMD condition #3344, part 6	Y		2,900 scfm		N			

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Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S314 - REGROUND FINES STORAGE SILO TK-70112
S315 – REGROUND FINES STORAGE SILO TK-70113
S316 – REGROUND FINES STORAGE SILO TK-70114
S317 – REGROUND FINES STORAGE SILO TK-70115
S318 – FINES WEIGH HOPPER BLOW POT
S319 – FINES BAGOUT STATION NO.1 & NO.2
S320 – FINES GRINDER
S322 – FINES TANKER TRUCK DELIVERY SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #8468, part 5	C	Bag failure warning device	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #8468, part 5	C	Bag failure warning device	X	
FP	BAAQMD 6-1-310	N		0.15 g/dscf	BAAQMD condition #8468, part 5	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #8468, part 5	C	Bag failure warning device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #8468, part 6	Y		0.005 gr/dscf	BAAQMD condition #8468, part 5	C	Bag failure warning device	X	
Nickel content	BAAQMD condition #8468, part 8	Y		7% by weight per hour	BAAQMD condition #8344, part 9	P/H	Record keeping	X	
Throughput (catalyst)	BAAQMD condition #8468, part 2	Y		4,380 tons/yr for each source	BAAQMD condition #8468, part 9	P/D	Record keeping	X	
Air flow rate	BAAQMD condition #8468, part 6	Y		5,000 scfm from each source	NONE	N	NONE	X	

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Table VII - N
Applicable Limits and Compliance Monitoring Requirements
S321 - ALUMINA STORAGE SILO

Type of Limit	Citation of Limit	SIP Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (D/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #13092, part 3	C	Bag failure warning device	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #13092, part 3	C	Bag failure warning device	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD condition #13092, part 3	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
PP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #13092, part 3	C	Bag failure warning device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #13092, part 4	Y		0.005 gr/dscf	BAAQMD condition #13092, part 3	C	Bag failure warning device	X	
Throughput (Alumina)	BAAQMD condition #13092, part 2	Y		9,636 tons/yr	BAAQMD condition #13092, part 5	D/D	Record keeping	X	
Air flow rate	BAAQMD condition #13092, part 4	Y		150 scfm	NONE	N	NONE	X	

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Table VII - O
Applicable Limits and Compliance Monitoring Requirements
S401 - X2 MULLER

Type of Limit	Citation of Limit	FF Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/N/C)	Monitoring Type	Compliance Yes	Compliance No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #8445, part 3	C	Bag failure warning device	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #8445, part 3	C	Bag failure warning device	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD condition #8445, part 3	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$E = 0.10 P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
PP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #8445, part 3	C	Bag failure warning device	X	
	SIP 6-311	Y		$E = 4.10 P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #8445, part 2	Y		0.006 gr/dscf	BAAQMD condition #8445, part 3	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition #8445, part 2	Y		1,116 scfm	NONE	N	NONE	X	

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Table VII - P
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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (D/C/S)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	NONE	N	NONE	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	NONE	N	NONE	X	
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	NONE	N	NONE	X	
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	SIP 6-310	Y		0.15 gr/dscf	NONE	N	NONE	X	
FP	SIP6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	

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Table VII - Q
Applicable Limits and Compliance Monitoring Requirements
S417 - X2 Calcined Product Conveyor
S418 – X2 Recycle Station
S515 – H2 Solid Additive Hopper A
S516 – H2 Solid Additive Hopper B
S517 – H2 Product Recycle System
S518 – H2 Calcined Feed System
S519 – H2 Spherical Hopper System
S520 – H2 Calcined Feed bagout Station

Type of Limit	Citation of Limit	FF (Y/N)	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (D/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301, condition #16736, part 5	N		Ringelmann 1.0 for < 3 minutes/hr	NONE	N	NONE	X	
Opacity	SIP 6-301, condition #16736, part 5	Y		Ringelmann 1.0 for < 3 minutes/hr	NONE	N	NONE	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	NONE	N	NONE	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
PP	SIP 6-310	Y		0.15 gr/dscf	NONE	N	NONE	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
Through-put	BAAQMD condition #16736, part 1	Y		S417: 12,000 tons/yr S418: 12,000 tons/yr S515: 1,700 tons/yr S516: 3,300 tons/yr S517: 16,000 tons/yr S518: 16,000 tons/yr S519: 16,000 tons/yr S520: 16,000 tons/yr	BAAQMD condition #16736, part 6	D/D	Record keeping	X	

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Table VII - R
Applicable Limits and Compliance Monitoring Requirements
S420 - COLD CLEANER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Throughput	BAAQMD 8-16-121	Y		20 gal/day/yr	BAAQMD 8-16-501.2, 8-16-503.6	P/Annual	Record keeping	X	

Table VII – S
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	Compliance	
								Yes	No
Ni	BAAQMD Regulation 2-1, Table 2-1-316	Y		0.73 lb/yr	BAAQMD 2-1-316.1	P/Annual	Record keeping	X	

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Table VII – T
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**
S509 – H2 Kiln Feed Conveyor **S510 – H2 Kiln**
S514 – H2 Kiln Bypass Chute & Hopper w/Dusthood

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes	Compliance No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #9315, part 5	C	Bag failure warning device	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #9315, part 5	C	Bag failure warning device	X	
PP	BAAQMD 6-1-310	Y		0.15 gr/dscf	BAAQMD condition #9315, part 5	C	Bag failure warning device	X	
	BAAQMD 6-1-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
PP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #9315, part 5	C	Bag failure warning device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #9315, part 4	Y		0.006 gr/dscf	BAAQMD condition #9315, part 5	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition #9315, part 4	Y		7,500 scfm		N			
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)	X	
NH3	BAAQMD condition #9315, part 10	Y		2,200 lb/day, and 200 lb/day (when A-96 in operation)	BAAQMD condition #9315, par. 17	P/A and D	Source test (A), Record keeping (D)	X	
CO	BAAQMD condition #9315, part 8	Y		400 ppmv dry @ 3% Oxygen	BAAQMD condition #9315, part 13	P/A	Source test	X	
Temperature (A-96)	BAAQMD condition #9315, part 9	Y		1400 degree F	BAAQMD condition #9315, part 7	C	Temperature Monitor	I*	I*

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Residence time (A-56)	BAAQMD condition 9315, part 9	Y		0.4 second	BAAQMD condition #9315, part 13	PA	Source test	N	

*** Intermittent -** Note: There were 6 permit condition deviations of Permit Condition #9315 Part 7 (H2 Afterburner –A56), concerning low temperatures. The deviations reports were sent in to the BAAQMD. See episode summaries in cover letter above.

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Table VII - U
Applicable Limits and Compliance Monitoring Requirements
S511 – H2 Product Conveyor
S512 – H2 Product Screener
S513 – H2 Product Packaging

Type of Limit	Citation of Limit	PP Y/N	Future Effective Date	Limit	Monitoring Requirements (Citation)	Monitoring Frequency (D/C/O)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	
Opacity	SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	None	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	
PP	SIP 6-310	Y		0.30 gr/dscf	None	N	None	X	
	SIP 6-311	Y		$a.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	

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Table VII – V
Applicable Limits and Compliance Monitoring Requirements
S600 - X3 Dried Extruder, Screener, Conveyor

Type of Limit	Citation of Limit	PE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (D/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301, condition #13093, part 2	N		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	
Opacity	BAAQMD 6-301, condition #13093, part 7	Y		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD condition #15672, part 2	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	
PP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #15672, part 7	C	Bag failure warning device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	
	BAAQMD condition #13093, part 5	Y		0.005 gr/dscf	BAAQMD condition #13097, part 4	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition #13093, part 3	Y		12,000 scfm	None	N	None	X	

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Through put	BAAQMD condition #13093, part 4	Y		36 tons/DAY	BAAQMD condition #13093, part 5	PD	Record keeping	X	
Nickel & Nickel compounds content	BAAQMD condition #13093, part 1	Y		3.0% by weight per year	BAAQMD condition #13093, part 5	PD	Record keeping	X	

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Table VII - W
Applicable Limits and Compliance Monitoring Requirements
S601 - X3 FINES SURGE HOPPER

Type of Limit	Citation of Limit	TE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301, condition #13094, part 1	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #13094, part 3	C	Bag failure warning device	X	
Opacity	SIP 6-301, condition #13094, part 1	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #13094, part 3	C	Bag failure warning device	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #13094, part 3	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
PP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #13094, part 3	C	Bag failure warning device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #13094, part 4	Y		0.006 gr/dscf	BAAQMD Condition #13094, part 3	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition #13094, part 4	Y		109 scfm		N			
Throughput (catalyst)	BAAQMD condition #13094, part 2	Y		1,400 ton/yr	BAAQMD condition #13094, part 5	P/D	Record keeping	X	

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Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S602 - X3 ALUMINA SURGE HOPPER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (C/CNT)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301, condition #13095, part 2	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #13095, part 3	C	Bag failure warning device	X	
Opacity	SIP 6-301, condition #13095, part 3	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #13095, part 3	C	Bag failure warning device	X	
TP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #13095, part 3	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lbs/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #13095, part 3	C	Bag failure warning device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lbs/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #13095, part 4	Y		0.006 gr/dscf	BAAQMD Condition #13095, part 3	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition #13095, part 4	Y		200 scfm	BAAQMD condition #13095, part 4	N	NONE	X	
Throughput (Alumina)	BAAQMD condition #13095, part 2	Y		5,836 tons/yr	BAAQMD condition #13095, part 5	D/D	Record keeping	X	

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Table VII - Y
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	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301, condition #13095, part 1	N		Ringelmann No for <3 minutes/hr	NONE	N	NONE	X	
Opacity	SIP 6-301, condition #13096, part 1	Y		Ringelmann No for <3 minutes/hr	NONE	N	NONE	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	NONE	N	NONE	X	
	BAAQMD 6-1-311	N		$4.10*P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
PP	SIP 6-310	Y		0.15 gr/dscf	NONE	N	NONE	X	
	SIP 6-311	Y		$4.10*P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
NEI	BAAQMD #15672, part 5	Y		490 lb/day or 48,000 lb/yr	BAAQMD condition #15672, part 11	PA	Source test	X	
Through-put	BAAQMD condition #13096, part 2	Y		31,665 tons/yr	BAAQMD condition #13096, part 3	PD	Record keeping	X	
Nickel content	BAAQMD condition #15672, part 10	Y		2.0% by weight per year	BAAQMD condition #15672, part 14	PM	Record keeping	X	

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Table VII - Z
Applicable Limits and Compliance Monitoring Requirements
S604 - X3 DRYER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301, condition #13097, part 1	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #13097, part 3	C	Pressure drop monitoring device	X	
Opacity	SIP 6-301, condition #13097, part 1	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #13097, part 3	C	Pressure drop monitoring device	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #13097, part 3	C	Pressure drop monitoring device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
TP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #13097, part 3	C	Pressure drop monitoring device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #13097, part 4	Y		0.005 gr/dscf	BAAQMD Condition #13097, part 3	C	Pressure drop monitoring device	X	
NH3	BAAQMD #15672, part 5	Y		400 lb/day or 48,000 lb/yr	BAAQMD condition #15672, part 11	P/A	Source test	X	
Nickel cement	BAAQMD condition #15672, part 10	Y		3.0% by weight per year	BAAQMD condition #15672, part	P/M	Record keeping	X	

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					14				
Air flow rate	BAAQMD condition #12097, part 4	Y		12,000 scfm	NONE	N	NONE	X	
Natural gas	BAAQMD condition #12097, part 5	Y		534,360 therms/yr	BAAQMD condition #12097, part 6 and 7	C/M	Fuel meter and Record keeping	X	

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Table VII - AA
Applicable Limits and Compliance Monitoring Requirements
S606 - X3 CALCINER

Type of Limit	Citation of Limit	PE (Y/N)	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301, condition #15672, part 1	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #15672, part 2	C	Bag failure warning device	X	
Opacity	SIP 6-301, condition #15672, part 1	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #15672, part 2	C	Bag failure warning device	X	
PP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD condition #15672, part 2	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
PP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #15672, part 2	C	Bag failure warning device	X	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #15672, part 2	Y		0.005 gr/dscf	BAAQMD condition #15672, part 2	C	Bag failure warning device	X	
NOx	BAAQMD condition #15672, part 6	Y		51 lb/day or 18,500 lb/yr	BAAQMD condition #15672, part 12	C	CEM	X	
CO	BAAQMD condition #15672, part 9	Y		19,521 lb/yr	BAAQMD condition #15672, part 12	C	CEM	X	
CO abatement efficiency	BAAQMD condition #15672, part 8	Y		> 90% mass basis efficiency when outlet is <10ppm on a rolling 8 hour average	BAAQMD condition #15672, part 12	C	CEM	X	
NID	BAAQMD #15672, part 5	Y		498 lb/day or 48,000 lb/yr	BAAQMD condition #15672, part 11	PA	Source test	X	
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	X	

CRITERION CATALYSTS & TECHNOLOGIES, LP – WEST COAST OPERATIONS – PITTSBURG PLANT
2840 WILLOW PASS ROAD, PITTSBURG, CALIFORNIA 94565-3217
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TELEPHONE: 925-458-7200; FAX: 925-458-7238

	BAAQMD 9-1-311.2	N		50 lbs/hr	NONE	N	NONE	X	
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	X	
	SIP 9-1-311.2	Y		50 lbs/hr	NONE	N	NONE	X	
Nickel content	BAAQMD condition #15672, part 10	Y		3.0% by weight per year	BAAQMD condition #15672, part 14	PM	Record keeping	X	
Air flow rate	BAAQMD condition #15672, part 2	Y		1,775 scfm	NONE	N	NONE	X	
Natural gas	BAAQMD condition #15672, part 4	Y		700,000 therms at S606	BAAQMD condition #15672, part 13 & 14	PM VOM	Fuel meter. Record keeping	X	

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