

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 (P/C/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	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr		N	None	X	
FP	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		0.006 gr/dscf	BAAQMD condition #8444, part 3	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition 8444, part 2	Y		1,116 scfm		N	None	X	

**Table VII - B**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S2 - X1 DRYER**  
**S407 – X2 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	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 2	C	Bag failure warning device	X	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	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 <sup>0.67</sup> 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	
	BAAQMD 9-1-311.2	N		50 lbs/hr	NONE	N	NONE	X	
SO2	SIP	Y		GLC of 0.5 ppm	NONE	N	NONE	X	

	9-1-301			for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours					
	SIP 9-1-311.2	Y		50 lbs/hr	NONE	N	NONE	X	

**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/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-301	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	
	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	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	

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

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 #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 <sup>0.67</sup> 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 <sup>0.67</sup> 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 2	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	
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	

**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	No
Opacity	BAAQMD 6-301, Condition # 16736, part 5	Y		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	
FP	BAAQMD 6-310	N		0.15 gr/dscf	None	N	None	X	
	BAAQMD 6-311	N		4.10P <sup>0.67</sup> 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	
	SIP 6-311	Y		4.10P <sup>0.67</sup> 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	

**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	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 6-310	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	
FP	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		3,667 tons/yr	BAAQMD condition #16736, part 6	P/D	Record keeping	X	

**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	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 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	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	None	N	None	X	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	None	N	None	X	
	BAAQMD condition #9984, part 2	Y		0.006 gr/dscf	BAAQMD condition #9984, part 3	C	Bag failure warning device	X	
Air flow rate	BAAQMD condition #9984, part 2	Y		3,500 scfm	None	N	None	X	

**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 (P/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	

**Table VII - I**  
**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	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 #13138 part 1	N		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #13138, part 3	C	Bag failure warning device	X	
Opacity	SIP 6-301, condition #13138 part 1	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD condition #13138, 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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #13138, part 3	C	Bag failure warning device	X	
	SIP 6-311	Y		4.10P <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #13138, 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 #13138, part 3	C	Bag failure warning device	X	

**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	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring g-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	
	BAAQMD 6-1-311	N		4.10P <sup>0.67</sup> 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	
	SIP 6-311	Y		4.10P <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	

**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	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	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	
	BAAQMD 6-1-311	N		4.10P <sup>0.67</sup> 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	
	SIP 6-311	Y		4.10P <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	

**Table VII - L**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S311 - ALUMINA BULK BAG UNLOADER**  
**S312 – ALUMINA REPACKAGING STATION**  
**S313 – FINES GRINDER FEED HOPPER SYSTEM**  
**S323 – SECONDARY 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	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	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 <sup>0.67</sup> lb/hr, 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		X	

**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 gr/dscf	BAAQMD condition #8468, part 5	C	Bag failure warning device	X	
	BAAQMD 6-1-311	N		4.10P <sup>0.67</sup> 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 <sup>0.67</sup> 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 #3344, part 9	P/H	Record keeping	X	
Through-put (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		3,000 scfm from each source	NONE	N	NONE	X	

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

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 #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	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	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 <sup>0.67</sup> 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	
Through-put (Alumina)	BAAQMD condition #13092, part 2	Y		9,636 tons/yr	BAAQMD condition #13092, part 5	P/D	Record keeping	X	
Air flow rate	BAAQMD condition #13092, part 4	Y		150 scfm	NONE	N	NONE	X	

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

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 #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	
FP	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		4.10P <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #8445, part 3	C	Bag failure warning device	X	
	SIP 6-311	Y		4.10P <sup>0.67</sup> 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	

**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 (P/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	
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	NONE	N	NONE	X	
FP	BAAQMD 6-1-311	N		4.10P <sup>0.67</sup> 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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	

**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	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 #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	
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	NONE	N	NONE	X	
	BAAQMD 6-1-311	N		4.10P <sup>0.67</sup> 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	
	SIP 6-311	Y		4.10P <sup>0.67</sup> 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	P/D	Record keeping	X	

**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
Through put	BAAQMD 8-16-121	Y		20 gallons/yr	BAAQMD 8-16-501.2, 8-16-501.6	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	

**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	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	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	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 <sup>0.67</sup> 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		X	
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-56 in operation)	BAAQMD condition #9315, part 13	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-56)	BAAQMD condition #9315, part 9	Y		1400 degree F	BAAQMD condition #9315, part 7	C	Temperature Monitor	I*	I*
Residence	BAAQMD	Y		0.4 second	BAAQMD condition	P/A	Source test	X	

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(A-56)	#9315, part 9								
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\* **Intermittent - Note:** There were 5 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.

**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	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	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	
	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	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None	X	

**Table VII – V**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S600 - X3 DRIED EXTRUDER, SCREENER, 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	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 2	Y		Ringelmann 1.0 for < 3 minutes/hr	None	N	None	X	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	None	N	None	X	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	None	N	None	X	
	BAAQMD condition #13093, part 3	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	
Through-put	BAAQMD condition	Y		36 tons/DAY	BAAQMD condition	P/D	Record keeping	X	

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	#13093, part 4				#13093, part 5				
Nickel & Nickel compounds content	BAAQMD condition #13093, part 1	Y		3.0% by weight per year	BAAQMD condition #13093, part 5	P/D	Record keeping	X	

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

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 #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	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	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 <sup>0.67</sup> 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		100 scfm		N		X	
Through-put (catalyst)	BAAQMD condition #13094, part 2	Y		1,400 tons/yr	BAAQMD condition #13094, part 5	P/D	Record keeping	X	

**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 (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301, condition #13095, part 1	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 1	Y		Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #13095, part 3	C	Bag failure warning device	X	
FP	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 <sup>0.67</sup> lb/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 <sup>0.67</sup> lb/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	
Through-put (Alumina)	BAAQMD condition #13095, part 2	Y		9,636 tons/yr	BAAQMD condition #13095, part 5	P/D	Record keeping	X	

**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 #13096, part 1	N		Ringelmann 1.0 for < 3 minutes/hr	NONE	N	NONE	X	
Opacity	SIP 6-301, condition #13096, part 1	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	
	BAAQMD 6-1-311	N		4.10 <sup>P0.67</sup> 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	
	SIP 6-311	Y		4.10 <sup>P0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
NH3	BAAQMD #15672, part 5	Y		490 lb/day or 48,000 lb/yr	BAAQMD condition #15672, part 11	P/A	Source test	X	
Through-put	BAAQMD condition #13096, part 2	Y		31,665 tons/yr	BAAQMD condition #13096, part 3	P/D	Record keeping	X	
Nickel content	BAAQMD condition #15672, part 10	Y		3.0% by weight per year	BAAQMD condition #15672, part 14	P/M	Record keeping	X	

**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	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	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 <sup>0.67</sup> 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		490 lb/day or 48,000 lb/yr	BAAQMD condition #15672, part 11	P/A	Source test	X	
Nickel content	BAAQMD condition #15672, part 10	Y		3.0% by weight per year	BAAQMD condition #15672, part 14	P/M	Record keeping	X	

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Air flow rate	BAAQMD condition #13097, part 4	Y		12,000 scfm	NONE	N	NONE	X	
Natural gas	BAAQMD condition #13097, part 5	Y		534,360 therms/yr	BAAQMD condition #13097, part 6 and 7	C/M	Fuel meter and Record keeping	X	

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

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 #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	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
FP	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 <sup>0.67</sup> lb/hr, where P is process weight, ton/hr	NONE	N	NONE	X	
	BAAQMD condition #15672, part 3	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		19,524 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 >40ppm on a rolling 8 hour average	BAAQMD condition #15672, part 12	C	CEM	X	
NH3	BAAQMD #15672, part 5	Y		490 lb/day or 48,000 lb/yr	BAAQMD condition #15672, part 11	P/A	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	
	BAAQMD 9-1-311.2	N		50 lbs/hr	NONE	N	NONE	X	
SO2	SIP	Y		GLC of 0.5 ppm for 3	NONE	N	NONE	X	

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	9-1-301			min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours					
	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	P/M	Record keeping	X	
Air flow rate	BAAQMD condition #15672, part 3	Y		1,736 scfm	NONE	N	NONE	X	
Natural gas	BAAQMD condition #15672, part 4	Y		700,000 therms at S606	BAAQMD condition #15672, part 13 & 14	P/C/M	Fuel meter, Record keeping	X	