

Title V Permit Evaluation

Site Number: A0227

Site Name: Criterion Catalyst Company L.P.

Site Address: 2840 Willow Pass Road, Pittsburg, CA 94565

Periodic Monitoring:

Summary Table(s)

NOX Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S7, X1 Kiln	BAAQMD condition #13100, part 6	58 lb/day or 21,000 lb/yr	N/A	Continuous Emission Monitoring (existing)
S413, X2 Kiln	BAAQMD condition #13100, part 6	58 lb/day or 21,000 lb/yr	N/A	Continuous Emission Monitoring (existing)
S504, H2 Blending Tank T-1	BAAQMD condition #9315, part 8	120 lb/day	N/A	Annual source test (existing)
S505, H2 Blending Tank T-2	BAAQMD condition #9315, part 8	120 lb/day	N/A	Annual source test (existing)
S506, H2 Blending Tank T-3	BAAQMD condition #9315, part 8	120 lb/day	N/A	Annual source test (existing)
S507, H2 Liquid/solid Blender	BAAQMD condition #9315, part 8	120 lb/day	N/A	Annual source test (existing)
S509, HSA Kiln Feed Conveyor	BAAQMD condition #9315, part 8	120 lb/day	N/A	Annual source test (existing)
S510, H2 Kiln	BAAQMD condition #9315, part 8	120 lb/day	N/A	Annual source test (existing)
S606, X3 Calciner	BAAQMD condition #15672, part 6	51 lb/day or 18,500 lb/yr	N/A	Continuous Emission Monitoring (existing)

SO2 Sources *

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S2, X1 Dryer	BAAQMD 9-1-301	0.5 ppm continuously for 3 minutes, or 0.25 ppm 60 min.avg., or 0.05 ppm 24 hrs avg.	N/A	Not recommended
	BAAQMD 9-1-311.2	50 lb/hr	N/A	Not recommended
S7, X1 Kiln	BAAQMD 9-1-301	0.5 ppm continuously for 3 minutes, or 0.25 ppm 60 min.avg., or 0.05 ppm 24 hrs avg.	N/A	Not recommended
	BAAQMD 9-1-311.2	50 lb/hr	N/A	Not recommended
S109, O4 Kiln	BAAQMD 9-1-301	0.5 ppm continuously for 3 minutes, or 0.25 ppm 60 min.avg., or 0.05 ppm 24 hrs avg.	N/A	Not recommended
	BAAQMD 9-1-311.2	50 lb/hr	N/A	Not recommended
S205, O5 Dryer	BAAQMD 9-1-301	0.5 ppm continuously for 3 minutes, or 0.25 ppm 60 min.avg., or 0.05 ppm 24 hrs avg.	N/A	Not recommended
	BAAQMD 9-1-311.2	50 lb/hr	N/A	Not recommended
S206, O5 Kiln	BAAQMD 9-1-301	0.5 ppm continuously for 3 minutes, or 0.25 ppm 60 min.avg., or 0.05 ppm 24 hrs avg.	N/A	Not recommended
	BAAQMD 9-1-311.2	50 lb/hr	N/A	Not recommended
S407, X2 Dryer	BAAQMD 9-1-301	0.5 ppm continuously for 3 minutes, or 0.25 ppm 60 min.avg., or 0.05 ppm 24 hrs avg.	N/A	Not recommended
	BAAQMD 9-1-311.2	50 lb/hr	N/A	Not recommended
S413, X2 Kiln	BAAQMD 9-1-301	0.5 ppm continuously for 3 minutes, or 0.25 ppm 60 min.avg., or 0.05 ppm 24 hrs avg.	N/A	Not recommended

SO2 Sources *

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 9-1-311.2	50 lb/hr	N/A	Not recommended
S606, X3 Calciner	BAAQMD 9-1-301	0.5 ppm continuously for 3 minutes, or 0.25 ppm 60 min.avg., or 0.05 ppm 24 hrs avg.	N/A	Not recommended
	BAAQMD 9-1-311.2	50 lb/hr	N/A	Not recommended

*SO2 emissions from these sources are only due to natural gas combustion and are very insignificant, therefore monitoring is not recommended.

CO Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S504, H2 Blending Tank T-1	BAAQMD condition #9315, part 6	400 ppm dry @ 3% Oxygen	N/A	Annual source test (existing)
S505, H2 Blending Tank T-2	BAAQMD condition #9315, part 6	400 ppm dry @ 3% Oxygen	N/A	Annual source test (existing)
S506, H2 Blending Tank T-3	BAAQMD condition #9315, part 6	400 ppm dry @ 3% Oxygen	N/A	Annual source test (existing)
S507, H2 Liquid/Solid Blender	BAAQMD condition #9315, part 6	400 ppm dry @ 3% Oxygen	N/A	Annual source test (existing)
S509, HSA Kiln Feed Conveyor	BAAQMD condition #9315, part 6	400 ppm dry @ 3% Oxygen	N/A	Annual source test (existing)
S510, H2 Kiln	BAAQMD condition #9315, part 6	400 ppm dry @ 3% Oxygen	N/A	Annual source test (existing)
S606, X3 Calciner	BAAQMD condition #15672, part 8	25 ppmv when A606 inlet concentration ≤ 200 ppmv	N/A	Continuous Emission Monitoring (existing)

CO Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD condition #15672, part 8	90% mass basis (CO abatement efficiency)	N/A	Continuous Emission Monitoring (existing)
	BAAQMD condition #15672, part 9	19,524 lb/yr	N/A	Continuous Emission Monitoring (existing)

NH3 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S504, H2 Blending Tank T-1	BAAQMD condition #9315, part 8	2,200 lb/day, and 200 lb/day (when A56 in operation)	N/A	Annual source test (existing)
S505, H2 Blending Tank T-2	BAAQMD condition #9315, part 8	2,200 lb/day, and 200 lb/day (when A56 in operation)	N/A	Annual source test (existing)
S506, H2 Blending Tank T-3	BAAQMD condition #9315, part 8	2,200 lb/day, and 200 lb/day (when A56 in operation)	N/A	Annual source test (existing)
S507, H2 Liquid/solid Blender	BAAQMD condition #9315, part 8	2,200 lb/day, and 200 lb/day (when A56 in operation)	N/A	Annual source test (existing)
S509, HSA Kiln Feed Conveyor	BAAQMD condition #9315, part 8	2,200 lb/day, and 200 lb/day (when A56 in operation)	N/A	Annual source test (existing)
S510, H2 Kiln	BAAQMD condition #9315, part 8	2,200 lb/day, and 200 lb/day (when A56 in operation)	N/A	Annual source test (existing)
S603, X3 Extruder	BAAQMD condition #15672, part 5	490 lb/day or 48,000 lb/yr	N/A	Annual/Half-yearly source test (existing)
S604, X3 Dryer	BAAQMD condition #15672, part 5	490 lb/day or 48,000 lb/yr	N/A	Annual/Half-yearly source test (existing)
S606, X3 Calciner	BAAQMD condition #15672, part 5	490 lb/day or 48,000 lb/yr	N/A	Annual/Half-yearly source test (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S1, X1 Muller	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #8444, part 2	0.006 gr/dscf and 1116 cfm	N/A	Continuous bag failure warning device (existing)
S2, X1 Dryer	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13099, part 3	0.006 gr/dscf and 8000 cfm	N/A	Continuous bag failure warning device (existing)
S3, X1 Dried product elevator	BAAQMD 6-301	Ringelmann 1.0	4.0	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S4, X1 Dried product screener	BAAQMD 6-301	Ringelmann 1.0	4.0	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S5, X1 Long breaker	BAAQMD 6-301	Ringelmann 1.0	4.0	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S6, X1 Kiln feed conveyor system	BAAQMD 6-301	Ringelmann 1.0	4.0	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S7, X1 Kiln	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf		Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Continuous bag failure warning device (existing)
	BAAQMD condition #13100, part 3	0.006 gr/dscf and 8000 cfm		Continuous bag failure warning device (existing)
S8, X1 Calcined product elevator	BAAQMD 6-301	Ringelmann 1.0	4.0	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S9, X1 Calcined product screener	BAAQMD 6-301	Ringelmann 1.0	4.0	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S10, X1 Calcined product packaging	BAAQMD 6-301	Ringelmann 1.0	4.0	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S11, X1 Calcined product conveyor	BAAQMD 6-301	Ringelmann 1.0	0.33	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD Condition #16736, part 1	11,000 tpy		Visual Inspection once a week (proposed)*
S19, X1 Recycle Station	BAAQMD 6-301	Ringelmann 1.0	0.11	Visual Inspection once a week (proposed)*
S104, H1 Blending tank T-1	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #9984, part 2	0.006 gr/dscf and 3500 cfm	N/A	Continuous bag failure warning device (existing)
S105, H1 Blending tank T-2	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #9984, part 2	0.006 gr/dscf and 3500 cfm	N/A	Continuous bag failure warning device (existing)
S106, H1 Blending tank T-3	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #9984, part 2	0.006 gr/dscf and 3500 cfm	N/A	Continuous bag failure warning device (existing)
S107, H1 Liquid/Solid Blender	BAAQMD 6-301	Ringelmann 1.0	Insignificant because of high moisture content	Visual Inspection once a week (proposed)*
S109, O4 Kiln	BAAQMD 6-301	Ringelmann 1.0	0.066	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16314, part 1	2200 tpy		Record keeping (existing)
	BAAQMD condition #16314, part 3	0.006 gr/dscf		Visual Inspection once a week (proposed)*
S110, O4 Calcined product cooler	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13138, part 2	0.006 gr/dscf and 0.39 lb/hr	N/A	Continuous bag failure warning device (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S111, O4 Calcined product elevator	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13138, part 2	0.006 gr/dscf and 0.39 lb/hr	N/A	Continuous bag failure warning device (existing)
S112, O4 Calcined product screener	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13138, part 2	0.006 gr/dscf and 0.39 lb/hr	N/A	Continuous bag failure warning device (existing)
S113, O4 Calcined product packaging	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13138, part 2	0.006 gr/dscf and 0.39 lb/hr	N/A	Continuous bag failure warning device (existing)
S114, X1 Dryer	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD condition #13138, part 2	0.006 gr/dscf and 0.39 lb/hr	N/A	Continuous bag failure warning device (existing)
S201, O5 Muller	BAAQMD 6-301	Ringelmann 1.0	0.6	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S205, O5 Dryer	BAAQMD 6-301	Ringelmann 1.0	0.3	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S206, O5 Kiln	BAAQMD 6-301	Ringelmann 1.0	0.3	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S207, O5 Product elevator	BAAQMD 6-301	Ringelmann 1.0	0.8	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S208, O5 Product screener	BAAQMD 6-301	Ringelmann 1.0	0.8	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S210, O5 Product packaging station	BAAQMD 6-301	Ringelmann 1.0	0.8	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S211, O5 Grinder system	BAAQMD 6-301	Ringelmann 1.0	0.6	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S216, O5 North elevator	BAAQMD 6-301	Ringelmann 1.0	0.24	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16736, part 1	8000 tpy		Record keeping (existing)
S220, O5 Repackaging station	BAAQMD 6-301	Ringelmann 1.0	0.015	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Annual source test (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Annual source test (existing)
	BAAQMD condition #16736, part 1	500 tpy		Record keeping (existing)
	BAAQMD condition #16736, part 2	0.01 gr/dscf		Annual source test (existing)
S221, O5 Recycle hopper	BAAQMD 6-301	Ringelmann 1.0	0.015	Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD condition #16736, part 1	500 tpy		Record keeping (existing)
S222, O5 Grinder feed hopper	BAAQMD 6-301	Ringelmann 1.0	0.027	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Annual source test (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Annual source test (existing)
	BAAQMD condition #16736, part 1	900 tpy		Record keeping (existing)
	BAAQMD condition #16736, part 2	0.01 gr/dscf		Annual source test (existing)
S223, O5 Powder batching hopper #1	BAAQMD 6-301	Ringelmann 1.0	0.225	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16550, part 2	0.01 gr/dscf and 840 cfm		Visual Inspection once a week (proposed)*
S224, O5 Powder batching hopper #2	BAAQMD 6-301	Ringelmann 1.0	0.225	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16550, part 2	0.01 gr/dscf and 840 cfm		Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S225, O5 Powder batching hopper #3	BAAQMD 6-301	Ringelmann 1.0	0.225	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16550, part 2	0.01 gr/dscf and 840 cfm		Visual Inspection once a week (proposed)*
S226, O5 Powder batching hopper #4	BAAQMD 6-301	Ringelmann 1.0	0.225	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16550, part 2	0.01 gr/dscf and 840 cfm		Visual Inspection once a week (proposed)*
S227, O5 Powder batching hopper #5	BAAQMD 6-301	Ringelmann 1.0	0.225	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16550, part 2	0.01 gr/dscf and 840 cfm		Visual Inspection once a week (proposed)*
S228, O5 Powder batching hopper #6	BAAQMD 6-301	Ringelmann 1.0	0.225	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16550, part 2	0.01 gr/dscf and 840 cfm		Visual Inspection once a week (proposed)*
S229, O5 Powder batching hopper #7	BAAQMD 6-301	Ringelmann 1.0	0.225	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16550, part 2	0.01 gr/dscf and 840 cfm		Visual Inspection once a week (proposed)*
S230, O5 Powder batching hopper #8	BAAQMD 6-301	Ringelmann 1.0	0.225	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16550, part 2	0.01 gr/dscf and 840 cfm		Visual Inspection once a week (proposed)*
S231, O5 Powder batching hopper #9	BAAQMD 6-301	Ringelmann 1.0	0.225	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
	BAAQMD condition #16550, part 2	0.01 gr/dscf and 840 cfm		Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S303, Alumina receiving fluidstat station	BAAQMD 6-301	Ringelmann 1.0	0.51	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S304, Alumina silo 1	BAAQMD 6-301	Ringelmann 1.0	0.51	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S305, Alumina silo 2	BAAQMD 6-301	Ringelmann 1.0	0.51	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S306, Alumina silo 3	BAAQMD 6-301	Ringelmann 1.0	0.51	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S307, Alumina silo 4	BAAQMD 6-301	Ringelmann 1.0	0.51	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S308, Alumina silo 5	BAAQMD 6-301	Ringelmann 1.0	0.51	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S309, Alumina recirculation fluidstat station	BAAQMD 6-301	Ringelmann 1.0	0.51	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S310, Alumina measuring fluidstat station	BAAQMD 6-301	Ringelmann 1.0	0.51	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S311, Alumina bulk bag unloader	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #3344, part 6	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)
S312, Alumina repackaging station	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #3344, part 6	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S313, Fines grinder feed hopper system	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #3344, part 6	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)
S314, Reground fines storage silo TK-70112	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #8468, part 6	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)
S315, Reground fines storage silo TK-70113	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #8468, part 6	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)
S316, Reground fines storage silo TK-70114	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #8468, part 6	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)
S317, Reground fines storage silo TK-70115	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #8468, part 6	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)
S318, Fines weigh hopper blow pot	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #8468, part 6	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)
S319, Fines bagout station No.1 & No. 2	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #8468, part 6	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)
S320, Fines grinder	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #8468, part 6	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)
S321, Alumina storage silo	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13092, part 4	0.005 gr/dscf	N/A	Continuous bag failure warning device (existing)
S401, X2 Muller	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #8445, part 2	0.006 gr/dscf	N/A	Continuous bag failure warning device (existing)
S407, X2 Dryer	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13099, part 3	0.006 gr/dscf	N/A	Continuous bag failure warning device (existing)
S408, X2 Dried product elevator	BAAQMD 6-301	Ringelmann 1.0	0.36	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S409, X2 Dried product screener	BAAQMD 6-301	Ringelmann 1.0	0.36	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S410, X2 Long breaker	BAAQMD 6-301	Ringelmann 1.0	0.36	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S412, X2 Kiln feed conveyor	BAAQMD 6-301	Ringelmann 1.0	0.36	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S413, X2 Kiln	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13100, part 3	0.006 gr/dscf	N/A	Continuous bag failure warning device (existing)
S414, X2 Calcined product elevator	BAAQMD 6-301	Ringelmann 1.0	0.36	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S415, X2 Calcined product screener	BAAQMD 6-301	Ringelmann 1.0	0.36	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S416, X2 Calcined product packaging	BAAQMD 6-301	Ringelmann 1.0	0.36	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S417, X2 Calcined product conveyor	BAAQMD 6-301	Ringelmann 1.0	0.36	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD condition #16736, part 1	12000 tpy		Record keeping (existing)
S418, X2 Recycle station	BAAQMD 6-301	Ringelmann 1.0	0.36	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD condition #16736, part 1	12000 tpy		Record keeping (existing)
S504, H2 Blending tank T-1	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #9315, part 2	0.006 gr/dscf	N/A	Continuous bag failure warning device (existing)
S505, H2 Blending tank T-2	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #9315, part 2	0.006 gr/dscf	N/A	Continuous bag failure warning device (existing)
S506, H2 Blending tank T-3	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #9315, part 2	0.006 gr/dscf	N/A	Continuous bag failure warning device (existing)
S507, H2 Liquid/Solid Blender	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #9315, part 2	0.006 gr/dscf	N/A	Continuous bag failure warning device (existing)
S509, HSA Kiln feed conveyor	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #9315, part 2	0.006 gr/dscf	N/A	Continuous bag failure warning device (existing)
S510, H2 Kiln	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #9315, part 2	0.006 gr/dscf	N/A	Continuous bag failure warning device (existing)
S511, HSA Product conveyor	BAAQMD 6-301	Ringelmann 1.0	0.8	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S512, HSA Product screener	BAAQMD 6-301	Ringelmann 1.0	0.8	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
S513, HSA Product packaging	BAAQMD 6-301	Ringelmann 1.0	0.8	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr		Visual Inspection once a week (proposed)*
				Visual Inspection once a week (proposed)*

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S515, H2 Solid additive hopper A	BAAQMD 6-301	Ringelmann 1.0	0.051	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD condition #16736, part 1	1700 tpy		Record keeping (existing)
S516, H2 Solid additive hopper B	BAAQMD 6-301	Ringelmann 1.0	0.1	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD condition #16736, part 1	3300 tpy		Record keeping (existing)
S517, H2 Product recycle system	BAAQMD 6-301	Ringelmann 1.0	0.48	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD condition #16736, part 1	16000 tpy		Record keeping
S518, H2 Calcined feed system	BAAQMD 6-301	Ringelmann 1.0	0.48	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD condition #16736, part 1	16000 tpy		Record keeping (existing)
S519, H2 Spherical hopper system	BAAQMD 6-301	Ringelmann 1.0	0.48	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD condition #16736, part 1	16000 tpy		Record keeping (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S520, H2 Calcined feed bagout station	BAAQMD 6-301	Ringelmann 1.0	0.48	Visual Inspection once a week (proposed)*
	BAAQMD 6-310	0.15 gr/dscf		Visual Inspection once a week (proposed)*
	BAAQMD condition #16736, part 1	16000 tpy		Record keeping (existing)
S600, X3 Dried extruder, screener, conveyor	BAAQMD 6-301	Ringelmann 1.0	N/A	Visual Inspection once a week (proposed)*
S601, X3 Fines surge hopper	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13094, part 4	0.006 gr/dscf and 100 cfm	N/A	Continuous bag failure warning device (existing)
S602, Alumina surge hopper	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13095, part 2	9636 tpy	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #13095, part 4	0.006 gr/dscf and 200 cfm	N/A	Continuous bag failure warning device (existing)
S603, X3 Extruder	BAAQMD 6-301	Ringelmann 1.0	N/A	Visual Inspection once a week (proposed)*
	BAAQMD condition #13096, part 2	31,665 tpy	N/A	Record keeping (existing)
S604, X3 Dryer	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous pressure drop monitoring device (existing)

Particulate Matter & PM10 Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous pressure drop monitoring device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous pressure drop monitoring device (existing)
	BAAQMD condition #13097, part 4	0.006 gr/dscf and 12,000 cfm	N/A	Continuous pressure drop monitoring device (existing)
S606, X3 Calciner	BAAQMD 6-301	Ringelmann 1.0	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-310	0.15 gr/dscf	N/A	Continuous bag failure warning device (existing)
	BAAQMD 6-311	4.10P**0.67 lb/hr, where P is process weight, ton/hr	N/A	Continuous bag failure warning device (existing)
	BAAQMD condition #15672, part 3	0.006 gr/dscf and 1736 cfm	N/A	Continuous bag failure warning device (existing)

*Visual inspection on a weekly basis is recommended because even though controlled/uncontrolled emissions, estimated very conservatively, from these sources are not significant, a baghouse failure can be found out and corrective action taken in a reasonably short period of time. Potential emissions are estimated on the basis of permit conditions, AP-42, Table 11.24-2, unabated PM10 emission factor of 0.06 lb/ton for material handling and transfer, maximum throughput of material and/or maximum exhaust rate of the abatement device, as applicable.

$$\begin{aligned}
 S3, S4, S5, S6, S8, S9, S10 &= (0.01 \text{ gr/dscf})(7,500 \text{ cfm})(1440 \text{ min/day})(365 \text{ days/yr})/(7000 \text{ gr/lb}) \\
 &= 5630 \text{ lb/yr} = 2.81 \text{ tpy (abated)} \\
 &= 28.1 \text{ tpy (unabated)} \\
 &= 4.0 \text{ tpy each (unabated)}
 \end{aligned}$$

$$\begin{aligned}
 S11 &: (0.06 \text{ lb/ton})(11,000 \text{ tpy, permit condition}) \\
 &= 660 \text{ lb/yr} = 0.33 \text{ tpy (unabated)}
 \end{aligned}$$

$$S19 : (0.06 \text{ lb/ton})(3,667 \text{ tpy, permit condition})$$

Title V Permit Evaluation

Site Number: A0227

Site Name: Criterion Catalyst

Reviewing Engineer: DNS

$$= 220 \text{ lb/yr} = 0.11 \text{ tpy (unabated)}$$

S107: Emissions are expected to be insignificant because of high moisture content but not as high that the source could be exempt from permit.

S109: (0.06 lb/ton)(2,200 ton/yr, permit condition)

$$= 132 \text{ lb/yr} = 0.066 \text{ tpy (unabated)}$$

S201: (0.01 gr/dscf)(1,600 cfm)(1440 min/day)(365 days/yr)/(7000 gr/lb)

$$= 1201 \text{ lb/yr} = 0.6 \text{ tpy (abated)}$$

S205, S-206: (0.01 gr/dscf)(1,600 cfm)(1440 min/day)(365 days/yr)/(7000 gr/lb)

$$= 1201 \text{ lb/yr} = 0.6 \text{ tpy (abated)}$$

S207, S208, S210: (0.01 gr/dscf)(6,400 cfm)(1440 min/day)(365 days/yr)/(7000 gr/lb)

$$= 4804 \text{ lb/yr} = 2.4 \text{ tpy (abated)}$$

S211: (0.01 gr/dscf)(1,600 cfm)(1440 min/day)(365 days/yr)/(7000 gr/lb)

$$= 1201 \text{ lb/yr} = 0.6 \text{ tpy (abated)}$$

S216: (0.06 lb/ton)(8,000 tpy, permit condition)

$$= 480 \text{ lb/yr} = 0.24 \text{ tpy (unabated)}$$

S220: (0.06 lb/ton)(500 tpy, permit condition)

$$= 30 \text{ lb/yr} = 0.015 \text{ tpy (unabated)}$$

S221: (0.06 lb/ton)(500 tpy, permit condition)

$$= 30 \text{ lb/yr} = 0.015 \text{ tpy (unabated)}$$

S222: (0.06 lb/ton)(900 tpy, permit condition)

$$= 54 \text{ lb/yr} = 0.027 \text{ tpy (unabated)}$$

S223 thru S231: (0.06 lb/ton)(7,500 tpy, permit condition)

$$= 450 \text{ lb/yr} = 0.225 \text{ tpy (unabated)}$$

S303 thru S310: (0.06 lb/ton)(16,860 tpy, permit condition of down stream sources
S311 thru S313)

$$= 1,012 \text{ lb/yr} = 0.51 \text{ tpy each (unabated)}$$

S408 thru S410, S412, S414 thru S416: (0.06 lb/ton)(12,000 tpy, permit condition of down
stream source S417)

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$$= 720 \text{ lb/yr} = 0.36 \text{ tpy each (unabated)}$$

S417: (0.06 lb/ton)(12,000 tpy, permit condition)

$$= 720 \text{ lb/yr} = 0.36 \text{ tpy (unabated)}$$

S418: (0.06 lb/ton)(12,000 tpy, permit condition)

$$= 720 \text{ lb/yr} = 0.36 \text{ tpy (unabated)}$$

S511 thru S513: (0.01 gr/dscf)(6400 cfm)(1440 min/day)(365 days/yr)/(7000 gr/lb)

$$= 4800 \text{ lb/yr} = 2.4 \text{ tpy (abated)}$$

S515: (0.06 lb/ton)(1,700 tpy, permit condition)

$$= 102 \text{ lb/yr} = 0.051 \text{ tpy (unabated)}$$

S516: (0.06 lb/ton)(3,300 tpy, permit condition)

$$= 198 \text{ lb/yr} = 0.1 \text{ tpy (unabated)}$$

S517: (0.06 lb/ton)(16,000 tpy, permit condition)

$$= 960 \text{ lb/yr} = 0.48 \text{ tpy (unabated)}$$

S518: (0.06 lb/ton)(16,000 tpy, permit condition)

$$= 960 \text{ lb/yr} = 0.48 \text{ tpy (unabated)}$$

S519: (0.06 lb/ton)(16,000 tpy, permit condition)

$$= 960 \text{ lb/yr} = 0.48 \text{ tpy (unabated)}$$

S520: (0.06 lb/ton)(16,000 tpy, permit condition)

$$= 960 \text{ lb/yr} = 0.48 \text{ tpy (unabated)}$$

Hexavalent Chromium Sources

S# & Description	Federally Enforceable Limit Citation	Federally Enforceable Limit	Potential to Emit: tpy	Monitoring
S220, O5 Packaging Station	BAAQMD condition #16736, part 3	0.415 lb/yr	Calculation not required	Annual source test (existing)
S222, O5 Packaging Station	BAAQMD condition #16736, part 3	0.415 lb/yr	Calculation not required	Annual source test (existing)

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Permit Shield:

The applicant did not request any permit shield.

Alternate Operating Scenario:

The applicant did not request any alternate operating scenario.

Proposed Revisions to Permit Conditions

The revisions to the permit conditions are shown in strike-out/underline format.

Compliance Status:

All sources are operating in compliance with the applicable requirements. An Air Pollution Episode Plan, as per the requirements of BAAQMD Regulation 4, was submitted on July 20, 1998.

Alignment of Information in Application and Proposed Permit:

None