EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 8166

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
Raw Material Handling				
R10/GDCX01	R-10 Gantry Drop to Conveyor- Bauxite/Spar and Uncovered Conveyor Belt (R-10 Dock Area) (4)	PM PM_{10}	1.48 0.70	3.28 1.55
R10/ATBS11	R-10 A Tower Bauxite/Spar (4)	PM PM_{10}	0.10 0.05	0.05 0.02
R10/BOSX10	Bauxite Conveyor Nos. 1 and 9 (4)	PM PM_{10}	29.57 4.44	16.10 2.41
R10/BHXX11	R-10 Bauxite Handling (4)	PM PM_{10}	0.05 0.03	<0.01 <0.01
R10/BHNX11	R-10 Bauxite Hopper-North (4)	PM PM_{10}	0.03 0.01	0.03 0.02
R10/BHSX11	R-10 Bauxite Hopper-South (4)	PM PM_{10}	0.03 0.01	0.03 0.02
R10/DSTX01	R-10 Diesel Storage Tank Vent	VOC	0.50	0.12
R10/UOTX01	R-10 Used Oil Storage Tank Vent	VOC	1.00	1.00
R10/SADX00	R-10 Sulfuric Acid	H_2SO_4	1.00	1.00

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
	Unloading Dock (4)			
R10/B33A10	R-10 Bauxite Transfer No. 3 Conveyor to No. 3A Belt (4)	PM PM_{10}	0.23 0.11	0.24 0.11
R10/B33B10	R-10 Bauxite Transfer No. 3 Conveyor to No. 3B Belt (4)	PM PM_{10}	0.23 0.11	0.24 0.11
R10/B39A10	R-10 Bauxite Transfer No. 3 Conveyor to No. 9A Belt (4)	PM PM_{10}	0.23 0.11	0.24 0.11
R10/B31610	R-10 Bauxite Transfer No. 3 Conveyor to No. 16 Belt (4)	PM PM_{10}	0.23 0.11	0.24 0.11
R10/B31510	R-10 Bauxite Transfer No. 3 Conveyor to No. 15 Belt (4)	PM PM_{10}	0.23 0.11	0.24 0.11
R10/BDS111	R-10 Bauxite Drop To Outside Storage No. 1 (4)	PM PM_{10}	0.23 0.11	0.22 0.11
R10/BDS211	R-10 Bauxite Drop To Outside Storage No. 2 (4)	PM PM_{10}	0.23 0.11	0.22 0.11
R10/BDS311	R-10 Bauxite Drop To Outside Storage No. 3 (4)	PM PM_{10}	0.23 0.11	0.22 0.11
R10/SDOS00	R-10 Spar Drop to Outside Storage (4)	PM/PM_{10}	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R10/ST3D00	R-10 Spar Transfer No. 3 Conveyor to Drop (4)	PM/PM_{10}	0.01	0.01
R15/BDXX11	R-15 Bauxite Drop-Inside Building(4)	PM PM_{10}	0.23 0.11	0.22 0.11
R15/DSTX01	R-15 Diesel Storage Tank Vent	VOC	0.50	0.12
R16/BDXX11	R-16 Bauxite Drop-Inside Building(4)	PM PM_{10}	0.23 0.11	0.22 0.11
R21/BTTX11	R-21 Transfer Tower-Bauxite (4)	PM PM_{10}	0.40 0.19	0.38 0.18
R80/SPAR01-1	R80 Spar Stockpile Transfer - from R10 to outside (4)	PM PM_{10}	4.00 1.60	-- --
R80/SPAR01-2	R80 Spar Stockpile Transfer - from outside to inside storage (4)	PM PM_{10}	1.70 0.68	-- --
R80/SPAR01	R80 Spar Stockpile Transfer (4)	PM PM_{10}	-- --	0.87 0.35
Digestion Area				
R25/PCL101	R-25 Pre Coat Lime Slaker No. 1 Vent	PM/PM_{10}	0.20	0.80
R25/PLS201	R-25 Process Lime Slaker No. 2 (spare) Vent	PM/PM_{10}	0.20	0.80

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R25/PLSX01	R-25 New Product Lime Slaker Vent	PM/PM_{10}	0.20	0.80

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R25/BFCX11	R-25 Building Bauxite Conveyor (R-25 Building) (4)	PM	0.80	<0.01
		PM_{10}	0.38	<0.01
R25/RM0102	R-25 Rod Mill Feed No. 1 Vent	Hg	0.0001	0.0004
		VOC	0.14	0.44
R25/RM0202	R-25 Rod Mill Feed No. 2 Vent	Hg	0.0001	0.0004
		VOC	0.14	0.44
R25/RM0302	R-25 Rod Mill Feed No. 3 Vent	Hg	0.0001	0.0004
		VOC	0.14	0.44
R25/RM0402	R-25 Rod Mill Feed No. 4 Vent	Hg	0.0001	0.0004
		VOC	0.14	0.44
R25/RM0502	R-25 Rod Mill Feed No. 5 Vent	Hg	0.0001	0.0004
		VOC	0.14	0.44
R25/RM0602	R-25 Rod Mill Feed No. 6 Vent	Hg	0.0001	0.0004
		VOC	0.14	0.44
R25/RM0702	R-25 Rod Mill Feed No. 7 Vent	Hg	0.0001	0.0004
		VOC	0.14	0.44
R25/RM0802	R-25 Rod Mill Feed No. 8 Vent	Hg	0.0001	0.0004
		VOC	0.14	0.44
R25/RM0101	R-25 Rod Mill No. 1 Vent	VOC	0.14	0.44
		Hg	0.005	0.02
R25/RM0201	R-25 Rod Mill No. 2 Vent	VOC	0.14	0.44
		Hg	0.005	0.02
R25/RM0301	R-25 Rod Mill No. 3 Vent	VOC	0.14	0.44
		Hg	0.005	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R25/RM0401	R-25 Rod Mill No. 4 Vent	VOC	0.14	0.44
		Hg	0.005	0.02
R25/RM0501	R-25 Rod Mill No. 5 Vent	VOC	0.14	0.44
		Hg	0.005	0.02
R25/RM0601	R-25 Rod Mill No. 6 Vent	VOC	0.14	0.44
		Hg	0.005	0.02
R25/RM0701	R-25 Rod Mill No. 7 Vent	VOC	0.14	0.44
		Hg	0.005	0.02
R25/RM0801	R-25 Rod Mill No. 8 Vent	VOC	0.14	0.44
		Hg	0.005	0.02
R25/BM0101	Ball Mill 1 Entry	VOC	0.14	0.61
		Hg	0.0001	4.9E-4
R25/BM0102	Ball Mill 1 Exit	VOC	0.14	0.61
		Hg	0.0001	4.9E-4
R25/BM0201	Ball Mill 2 Entry	VOC	0.14	0.61
		Hg	0.0001	4.9E-4
R25/BM0202	Ball Mill 2 Exit	VOC	0.14	0.61
		Hg	0.0001	4.9E-4
R25/BM0301	Ball Mill 3 Entry	VOC	0.14	0.61
		Hg	0.0001	4.9E-4
R25/BM0302	Ball Mill 3 Exit	VOC	0.14	0.61
		Hg	0.0001	4.9E-4

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R25A/S0101	R-25A Wash-down Slurry Tanks No. 1 Vent	Hg	0.0013	--
		VOC	0.50	--
R25A/S0201	R-25A Wash-down Slurry Tanks No. 2 Vent	Hg	0.0013	--
		VOC	0.50	--
	Total R-25A No.1 and 2 Vents	Hg	--	4.9E-3
		VOC	--	1.90
R25A/S0301	R-25A Slurry Tanks No. 3 Vent	Hg	0.0013	--
		VOC	0.50	--
R25A/S0401	R-25A Slurry Tanks No. 4 Vent	Hg	0.0013	--
		VOC	0.50	--
R25A/S0501	R-25A Slurry Tanks No. 5 Vent	Hg	0.0013	--
		VOC	0.50	--
R25A/S0601	R-25A Slurry Tanks No. 6 Vent	Hg	0.0013	--
		VOC	0.50	--
R25A/S0701	R-25A Slurry Tanks No. 7 Vent	Hg	0.0013	--
		VOC	0.50	--
R25A/S0801	R-25A Slurry Tanks No. 8 Vent	Hg	0.0013	--
		VOC	0.50	--
	Total R-25A Nos. 3 thru 8 Vents	Hg	--	0.03
		VOC	--	9.49
R30/DVXX01	R-30 Digestion Vacuum Vent	Hg	0.013	0.057
		VOC	5.95	22.62
R30/L11X01	R-30 Low Temperature 1 Blow-Off No. 1 Stack A	Hg	0.0006	2.0E-3
		PM/PM_{10}/NaOH	0.05	0.17
		VOC	0.04	0.11

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R30/L11X02	R-30 Low Temperature	Hg	0.0006	2.0E-3
	1 Blow Off No. 1 Stack	PM/PM_{10}/NaOH	0.05	0.17
	B	VOC	0.04	0.11
R30/L12X01	R-30 Low Temperature	Hg	0.0006	2.0E-3
	1 Blow Off No. 2 Stack	PM/PM_{10}/NaOH	0.05	0.17
	A	VOC	0.04	0.11
R30/L12X02	R-30 Low Temperature	Hg	0.0006	2.0E-3
	1 Blow Off No. 2 Stack	PM/PM_{10}/NaOH	0.05	0.17
	B	VOC	0.04	0.11
R30/L23X01	R-30 Low Temperature	Hg	0.0006	2.0E-3
	2 Blow Off No. 3 Stack	PM/PM_{10}/NaOH	0.05	0.17
	A	VOC	0.04	0.11
R30/L23X02	R-30 Low Temperature	Hg	0.0006	2.0E-3
	2 Blow Off No. 3 Stack	PM/PM_{10}/NaOH	0.05	0.17
	B	VOC	0.04	0.11
R30/L24X01	R-30 Low Temperature	Hg	0.0006	2.0E-3
	2 Blow Off No. 4 Stack	PM/PM_{10}/NaOH	0.05	0.17
	A	VOC	0.04	0.11
R30/L24X02	R-30 Low Temperature	Hg	0.0006	2.0E-3
	2 Blow Off No. 4 Stack	PM/PM_{10}/NaOH	0.05	0.17
	B	VOC	0.04	0.11
R30/L35X01	R-30 Low Temperature	Hg	0.0006	2.0E-3
	3 Blow Off No. 5 Stack	PM/PM_{10}/NaOH	0.05	0.17
	A	VOC	0.04	0.11

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R30/L35X02	R-30 Low Temperature 3 Blow Off No. 5 Stack B	Hg	0.0006	2.0E-3
		PM/PM_{10}/NaOH	0.05	0.17
		VOC	0.04	0.11
R30/L36X01	R-30 Low Temperature 3 Blow Off No. 6 Stack A	Hg	0.0006	2.0E-3
		PM/PM_{10}/NaOH	0.05	0.17
		VOC	0.04	0.11
R30/L36X02	R-30 Low Temperature 3 Blow Off No. 6 Stack B	Hg	0.0006	2.0E-3
		PM/PM_{10}/NaOH	0.05	0.17
		VOC	0.04	0.11
R30/L47X01	R-30 Low Temperature 4 Blow Off No. 7 Stack A	Hg	0.0006	2.0E-3
		PM/PM_{10}/NaOH	0.05	0.17
		VOC	0.04	0.11
R30/L47X02	R-30 Low Temperature 4 Blow Off No. 7 Stack B	Hg	0.0006	2.0E-3
		PM/PM_{10}/NaOH	0.05	0.17
		VOC	0.04	0.11
R30/L48X01	R-30 Low Temperature 4 Blow Off No. 8 Stack A	Hg	0.0006	2.0E-3
		PM/PM_{10}/NaOH	0.05	0.17
		VOC	0.04	0.11
R30/L48X02	R-30 Low Temperature 4 Blow Off No. 8 Stack B	Hg	0.0006	2.0E-3
		PM/PM_{10}/NaOH	0.05	0.17
		VOC	0.04	0.11
R31/RTXX01	R-31 Relief Tank (Unit 6) (4)	VOC	0.80	3.50
R33/RTXX01	R-33 Relief Tank (Unit 5) (4)	VOC	0.80	3.50
R40/HI0101	R-40 Heat Interchange Vacuum No. 1 Vent	Hg	0.0005	1.0E-3
		VOC	0.05	0.15

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R40/HI0201	R-40 Heat Interchange Vacuum No. 2 Vent	Hg	0.0005	1.0E-3
		VOC	0.05	0.15
R40/HI0301	R-40 Heat Interchange Vacuum No. 3 Vent	Hg	0.0005	1.0E-3
		VOC	0.05	0.15
R40/HI0401	R-40 Heat Interchange Vacuum No. 4 Vent	Hg	0.0005	1.0E-3
		VOC	0.05	0.15
R40/HI0501	R-40 Heat Interchange Vacuum No. 5 Vent	Hg	0.0005	1.0E-3
		VOC	0.05	0.15
R40/HI0601	R-40 Heat Interchange Vacuum No. 6 Vent	Hg	0.0005	1.0E-3
		VOC	0.05	0.15
R42/HI7A01	R-42 Heat Interchange Vacuum No. 7 A Vent	Hg	0.0031	1.2E-2
		VOC	0.32	1.2
R42/01EV01	R-42 No. 1 Evaporation Vacuum Vent	Hg	0.0006	2.0E-3
		VOC	0.02	0.05
R42/02EV01	R-42 No. 2 Evaporation Vacuum Vent	Hg	0.0006	2.0E-3
		VOC	0.02	0.05
R42/03EV01	R-42 No. 3 Evaporation Vacuum Vent	Hg	0.0006	2.0E-3
		VOC	0.02	0.05
R42/04EV01	R-42 No. 4 Evaporation Vacuum Vent	Hg	0.0006	2.0E-3
		VOC	0.02	0.05
R42/06EV01	R-42 No. 6 Evaporation Vacuum Vent	Hg	0.0006	2.0E-3
		VOC	0.02	0.05
R111/UOT01	R-111 Used Oil Storage Tank Vent	VOC	1.00	1.00

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R60/LCDX11	R-60 Lime Conveyor Discharge Bag Collector Stack	PM/PM_{10}	0.74	3.23
R60/LTXX11	R-60 Lime Transfer/Storage Bag Collector Stack	PM/PM_{10}	2.47	10.80
Clarification Area				
R35J1/CN01	R-35J1 Causticizer Vent - North	PM/PM_{10}/NaOH	0.27	1.20
R35J1/CS01	R-35J1 Causticizer Vent - South	PM/PM_{10}/NaOH	0.27	1.20
R35/LTTX01	R-35 Low Temp Thickeners Vent	Hg VOC	0.0019 1.18	0.0082 4.48
R35V/FCX01	R-35V Flocculent Tank - North No. 1 Vent	VOC	3.59	0.37
R35V/FEA01	R-35V Flocculent Tank - North No. 2 Vent	VOC	3.59	0.37
R35V/FWB01	R-35V Flocculent Tank - South No. 1 Vent	VOC	3.59	0.37
R35/HTTX01	R-35 High Temp Thickeners Vent	Hg VOC	0.0004 0.16	1.0E-3 0.62
R35/HClX11	R-35 HCl Acid Storage Tank Wet Scrubber	HCl	0.12	0.54
R35M/D0100	R-35M Dredge Lake No. 1 (4)	PM PM_{10}	0.40 0.30	0.18 0.15

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R35M/D0200	R-35M Dredge Lake No. 2 (4)	PM PM_{10}	0.40 0.30	0.18 0.15
R35M/L0400	R-35M Lake No. 4 (4)	PM PM_{10}	11.80 10.00	5.20 4.49
R35M/LF300	R-35M Landfill Site III (4)	PM PM_{10}	0.40 0.30	0.18 0.15
R35M/RLX00	R-35M Recycle Lake (4)	PM PM_{10}	0.40 0.30	0.18 0.15
R35V/DFV11	R-35V Flocculent Vessel No. 1 Bag Collector Stack	PM/PM_{10}	0.14	0.61
R35V/DFV21	R-35V Flocculent Vessel No. 2 Bag Collector Stack	PM/PM_{10}	0.14	0.61
R35/STXX00	R-35 Secondary Thickeners Vent	VOC Hg	2.00 0.001	5.00 4.0E-3
R35/WTAX00	R-35 Washer Train A Vents	VOC Hg	2.00 0.0001	5.00 0.0004
R35/WTBX00	R-35 Washer Train B Vents	VOC Hg	2.00 0.0001	5.00 0.0004
R35M/CLX00	R-35M Clear Lake (4)	PM PM_{10}	0.40 0.30	0.18 0.15
R35M/L1X00	R-35M Lake No. 1 (4)	PM PM_{10}	0.40 0.30	0.18 0.15
R35M/L2X00	R-35M Lake No. 2 (4)	PM	11.8 10.0	5.20

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
		PM_{10}		4.40
R35M/L3X00	R-35M Lake No. 3 (4)	PM	0.40	0.18
		PM_{10}	0.30	0.15
R35M/RWX00	R-35M Raw Water Lake (4)	PM	0.40	0.18
		PM_{10}	0.30	0.15
R35M/SLX00	R-35M Storm Lake (4)	PM	5.70	2.50
		PM_{10}	5.00	1.10
R35/PSBX00	R-35 Painting and Sand Blasting (4)	PM	3.44	2.27
		PM_{10}	1.66	1.10
		$PM_{2.5}$	0.012	0.06
		VOC	1.50	5.91
R35V/FS201	R-35V Flocculent Tank South No. 2 Vent	VOC	3.59	0.37
R38M/SBX11	R-38M Sand Blasting Bag Collector Stack	PM/PM_{10}	1.00	1.00
R38M/UOT01	R-38M Used Oil Storage Tank Vent	VOC	1.00	1.00
R42/HECV01	R42-High Efficiency Causticization Relief Vessel Vent	PM/PM_{10}	0.09	0.40
		VOC	0.07	0.31
		Hg	0.0011	5.0E-3
R42/HECP01	R42-High Efficiency Causticization Vacuum Pump Vent	VOC	0.02	0.09
		Hg	0.0006	3.0E-3
R115/STP01	R-115 Sanitary Treatment Plant (4)	Cl	1.00	0.10

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
Precipitation Area				
R45A/C0101	R-45A Barometric Condenser Vent No. 1	Hg	<0.0001	3.0E-4
		VOC	0.01	0.013
R45A/C0201	R-45A Barometric Condenser Vent No. 2	Hg	<0.0001	3.0E-4
		VOC	0.01	0.013
R45A/C0301	R-45A Barometric Condenser Vent No. 3	Hg	<0.0001	3.0E-4
		VOC	0.01	0.013
R45A/C0401	R-45A Barometric Condenser Vent No. 4	Hg	<0.0001	3.0E-4
		VOC	0.01	0.013
R45/PAVX00	R-45 Precipitation Area Vessels (4)	$PM/PM_{10}/PM_{2.5}$/NaOH	11.61	50.87
		Hg	0.0027	0.01
		VOC	0.95	3.59
R45/DSTX01	R-45 Diesel Storage Tank Vent	VOC	0.50	0.12
R45/EXXX00	R-45 Ethanol Containers (4)	VOC	0.50	0.10
R45/OSVX11	R-45 Oxalate System Vessel Bag Collector Stack	PM/PM_{10}	0.05	0.22
R45/GSTX01	R-45 Gasoline Storage Tank Vent	VOC	1.00	1.00
Power House Area				
R110/CVA01	R-110 Condensate Vessel A Vent	Hg	<0.0001	<0.001
		VOC	<0.01	<0.01

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R110/CVD01	R-110 Condensate Vessel D Vent	Hg	<0.0001	<0.001
		VOC	<0.01	<0.01
R110/40X01	R-110 40 lbs Deaerator Vent A	Hg	0.0032	0.01
		VOC	2.00	7.59
R110/40X02	R-110 40 lbs Deaerator Vent B	Hg	0.0032	0.01
		VOC	2.00	7.59
R110/40X03	R-110 40 lbs Deaerator Vent C	Hg	0.0032	0.01
		VOC	2.00	7.59
R110/HP101	R-110 High Pressure Boiler No. 1 Stack	VOC	0.44	--
		PM/PM_{10}	4.43	--
		NO_x	65.86	--
		CO	37.54	--
		SO_2	2.32	--
R110/HP201	R-110 High Pressure Boiler No. 2 Stack	VOC	0.35	--
		PM/PM_{10}	3.54	--
		NO_x	38.77	--
		CO	27.57	--
		SO_2	1.86	--
R110/HP301	R-110 High Pressure Boiler No. 3 Stack	VOC	0.35	--
		PM/PM_{10}	3.54	--
		NO_x	34.40	--
		CO	15.02	--
		SO_2	1.86	--
R110/HP411	R-110 High Pressure Boiler No. 4 Stack	VOC	0.35	--
		PM/PM_{10}	3.54	--
		NO_x	38.77	--
		CO	27.57	--
		SO_2	1.86	--

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R110/HP501	R-110 High Pressure Boiler No. 5 Stack	VOC	0.44	--
		PM/PM_{10}	4.43	--
		NO_x	51.87	--
		CO	38.22	--
		SO_2	2.32	--
R110/HP611	R-110 High Pressure Boiler No. 6 Stack	VOC	0.50	--
		PM/PM_{10}	4.95	--
		NO_x	22.87	--
		CO	14.10	--
		SO_2	2.59	--
R110/LP101	R-110 Low Pressure Boiler No. 1 Stack	VOC	0.25	--
		PM/PM_{10}	2.84	--
		NO_x	20.29	--
		CO	22.22	--
		SO_2	1.31	--
R110/LP201	R-110 Low Pressure Boiler No. 2 Stack	VOC	0.25	--
		PM/PM_{10}	2.84	--
		NO_x	26.47	--
		CO	76.70	--
		SO_2	1.31	--
	Total of all boilers High Pressure Boilers Nos. 1 through 6 and Low Pressure Boilers Nos. 1 through 2	VOC	--	10.27
		PM/PM_{10}	--	99.83
		NO_x	--	942.19
		CO	--	737.88
		SO_2	--	50.21
R110/05D01	R-110 5-lb Deaerator Vent	VOC	0.0002	1.0E-3
		Hg	0.0005	2.0E-3

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R110/95D01	R-110 95-lb Deaerator Vent	VOC	0.07	0.29
		Hg	0.0003	0.002
R110/CTX01	R-110 Cooling Tower (4)	PM/PM_{10}	0.10	0.50
Calcination Area				
R55-1/FC11	R-55-1 Flash Calciner Smelter Grade Alumina (SGA) Electrostatic Precipitator (ESP) Stack	VOC	14.75	--
		PM/PM_{10}	33.94	--
		NO_x	12.60	--
		CO	151.20	--
		SO_2	1.43	--
		Hg	0.0091	--
R55-1/FC11	R-55-1 Flash Calciner Hard Burn Alumina (HBA) ESP Stack	VOC	3.69	--
		PM/PM_{10}	33.94	--
		NO_x	55.38	--
		CO	36.00	--
		SO_2	1.57	--
		Hg	0.0091	--
R55-2/FC11	R-55-2 Flash Calciner SGA ESP Stack	VOC	14.75	--
		PM/PM_{10}	18.86	--
		NO_x	13.50	--
		CO	162.00	--
		SO_2	1.57	--
		Hg	0.0091	--

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R55-2/FC11	R-55-2 Flash Calciner HBA ESP Stack	VOC	3.69	--
		PM/PM_{10}	33.94	--
		NO_x	55.38	--
		CO	36.00	--
		SO_2	1.57	--
		Hg	0.0091	--
R55-3/FC11	R-55-3 Flash Calciner (SGA) ESP Stack	VOC	14.75	--
		PM/PM_{10}	18.86	--
		NO_x	13.50	--
		CO	162.00	--
		SO_2	1.57	--
		Hg	0.0091	--
R55-3/FC11	R-55-3 Flash Calciner HBA ESP Stack	VOC	3.69	--
		PM/PM_{10}	33.94	--
		NO_x	55.38	--
		CO	36.00	--
		SO_2	1.57	--
		Hg	0.0091	--
R56-4/FC11	R-56-4 Flash Calciner SGA ESP Stack	VOC	29.40	--
		PM/PM_{10}	8.04	--
		NO_x	31.60	--
		CO	78.12	--
		SO_2	2.95	--
		Hg	0.018	--
	Total of calcination department EPNs: R55-1/FC11, R55-2/FC11 , R55-3/FC11, and R56-4/FC11	VOC	--	175.79
		PM/PM_{10}	--	250.79
		NO_x	--	266.39
		CO	--	1469.07
		SO_2	--	31.17
		Hg	--	0.19

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R55-2/DB11	R-55-2 Flash Calciner Disengaging Box Bag Collector Stack	PM PM_{10}	0.08 0.04	0.30 0.15
R55-3/DB11	R-55-3 Flash Calciner Disengaging Box Bag Collector Stack	PM PM_{10}	0.08 0.04	0.30 0.15
R55/01DB12	R-55-(1-2-3) Disengaging Box-Spare Bag Collector Stack	PM/PM_{10}	3.00	13.14
R55/ESP211	R-55 ESP Dust Redigest Tank No. 2 Wet Scrubber	PM PM_{10}	0.06 0.03	0.24 0.12
R56/ESP11	R-56 ESP Dust Redigest Tank No. 1 Wet Scrubber	PM PM_{10}	0.04 0.02	0.17 0.08
R55/HF1401	R-55 Horizontal Filter Nos. 1, 2, 3, and 4 Vent	VOC Hg	6.48 0.004	6.40 1.6E-2
R55-1/DB11	R-55-1 Flash Calciner Disengaging Box Bag Collector Stack	PM PM_{10}	0.08 0.04	0.30 0.15
R56/ESP211	R-56 ESP Dust Redigest Tank No. 2 Wet Scrubber	PM PM_{10}	0.04 0.02	0.17 0.08
R56/HSRX01	R-56 Hydrate Storage Drop to Conveyor (4)	PM/PM_{10}	2.20	1.19

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R56/HSRX02	R-56 Hydrate Storage Drop to Stockpile (4)	PM/PM_{10}	2.20	1.19
R56/HSRX03	R-56 Hydrate Storage Stockpile (4)	PM/PM_{10}	2.20	1.19
R56/HRCX21	R-56 Hydrate Railcar Loading Drop from Loader Bucket Into Conveyor Hopper (4)	PM PM_{10}	1.10 0.55	1.19 0.59
R56/HRCX22	R-56 Hydrate Railcar Loading Drop from Hopper to Conveyor (4)	PM PM_{10}	1.10 0.55	1.19 0.59
R56/HRCX23	R-56 Hydrate Railcar Loading Conveyor Drop into Railcar (4)	PM PM_{10}	1.10 0.55	1.19 0.59
R56/HTLX31	R-56 Hydrate Truck Loading Drop from Loader Bucket into Truck (4)	PM PM_{10}	1.10 0.55	1.19 0.59
R56-4/CT01	R-56-4 Cooling Tower (4)	PM/PM_{10}/NaOH	<0.01	<0.01
R55/ESPD11	R-55-ESP Dust Redigest (Tank No. 1) Wet Scrubber	PM PM_{10}	0.06 0.03	0.24 0.12
Product Transport System				
R50/07AG11	R-50 No. 7 Air Gravity Conveyor Bag Collector Stack	PM PM_{10}	0.12 0.06	0.38 0.19

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R50/09AG11	R-50 No. 9 Air Gravity Conveyor Bag Collector Stack	PM/PM_{10}	0.15	0.66
R50/02AG21	R-50 No. 2 Air Gravity Conveyor - Alumina Bag Collector Stack	PM PM_{10}	0.12 0.06	0.38 0.19
R50/03AG21	R-50 No. 3 Air Gravity Conveyor - Alumina Bag Collector Stack	PM PM_{10}	0.12 0.06	0.38 0.19
R50/04AG21	R-50 No. 4 Air Gravity Conveyor - Alumina Bag Collector Stack	PM/PM_{10}	0.26	1.16
R50/08AG11	R-50 No. 8 Air Gravity Conveyor - Alumina Bag Collector Stack	PM PM_{10}	0.12 0.06	0.38 0.19
R50/2EAG11	R-50 No. 2E Air Gravity Conveyor - Alumina Bag Collector Stack	PM/PM_{10}	0.26	1.16
R50/3EAG11	R-50 No. 3E Air Gravity Conveyor - Alumina Bag Collector Stack	PM/PM_{10}	0.26	1.16
R50/4EAG11	R-50 No. 4E Air Gravity Conveyor - Alumina Bag Collector Stack	PM/PM_{10}	0.26	1.16

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R50/A1XX11	R-50 Alumina Handling (A) Bag Collector Stack	PM/PM_{10}	0.43	1.88
R50/A2XX11	R-50 Alumina Handling (B) Bag Collector Stack	PM/PM_{10}	0.43	1.88
R53/RCUX11	R-53 Railcar Unloading Bag Collector Stack	PM/PM_{10}	1.37	6.01
R51C/AVX11	R-51C Alumina Storage Vessel Bag Collector Stack	PM/PM_{10}	6.00	26.00
R51E/05L11	R-51E No. 5 Track Loading-Alumina Bag Collector Stack	PM/PM_{10}	0.59	2.60
R51E/SPV11	R-51E Alumina Special Products Vessel Bag Collector Stack	PM/PM_{10}	0.74	3.20
R51E/SVX11	R-51E Alumina Storage Vessel Bag Collector Stack	PM/PM_{10}	1.10	4.80
R56/AHC231	R-56 Alumina Handling Conveyor No. 2 Tail No. 2 Bag Collector Stack	PM/PM_{10}	0.15	0.66

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R51/02TL11	R-51 Track No. 2 Loading-Alumina Bag Collector Stack	$PM/PM_{10}/Al_2O_3$	1.42	6.20
R51/03TL11	R-51 Track No. 3 Loading-Alumina Bag Collector Stack	$PM/PM_{10}/Al_2O_3$	1.42	6.20
R53C/40B11	R-53C Alumina Conveyor No. 40 Belt to R-53C Bag Collector Stack	PM PM_{10}	0.39 0.19	0.84 0.42
R53C/ATS11	R-53C Transfer and Storage Bag Collector Stack	PM $PM_{10}/PM_{2.5}$	0.13 0.13	0.57 0.57
R56/AHC221	R-56 Alumina Handling Conveyor No. 2 Tail No. 1 Bag Collector Stack	PM/PM_{10}	0.15	0.66
R56/HF1201	R-56 Horizontal Filter No. 1 Vent	Hg VOC	0.0019 2.90	7.8E-3 12.08
R56/AHC211	R-56 Alumina Handling Conveyor No. 2 Head Pulley Bag	$PM/PM_{10}/Al_2O_3$	0.15	0.66

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
	Collector Stack			
C30 Hydrate Process Area				
R85/HD0111	R-85 No. 1 Hydrate Dryer Wet Scrubber	PM/PM_{10}	3.00	13.14
R85/HD0211	R-85 No. 2 Hydrate Dryer Wet Scrubber	PM/PM_{10}	3.00	13.14
R85/HH0211	R-85 Hydrate Handling No. 2 Bag Collector Stack	PM/PM_{10}	0.03	1.18
R85/HH0111	R-85 Hydrate Handling No. 1 Bag Collector Stack	PM/PM_{10}	0.03	1.18
R85/OSLX00	R 85 On Shore Lagoon (4)	PM/PM_{10}	1.00	1.00
R85B/HSV11	R-85B Hydrate Storage Bag Collector Stack	PM/PM_{10}	0.06	0.60
Aluminum Fluoride (AlF_3) Processing Area				
R81/SDXX11	R-81 Spar Drying Bag Collector Stack 3	PM/PM_{10}	0.87	3.83

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R81/SULX11	R-81 Spar Unloading Bag Collector Stack	PM/PM_{10}	0.19	0.83
R81/SV0101	R-81 Spar Vessel Vent No. 1	PM/PM_{10}	0.32	1.37
R81/SV0201	R-81 Spar Vessel Vent No. 2	PM/PM_{10}	0.32	1.37
R81/SV0301	R-81 Spar Vessel Vent No. 3	PM/PM_{10}	0.32	1.37
R82/SHXX11	R-82 Spar Handling Bag Collector Stack	PM/PM_{10}	0.94	4.12
R83A/SAT01	R-83A Sulfuric Acid Tank Vent	H_2SO_4	1.00	1.00
R83B/SAT01	R-83B Sulfuric Acid Tank Vent	H_2SO_4	1.00	1.00
R83C/SAL01	R-83C Sulfuric Acid Lift Tank Vent	H_2SO_4	1.00	1.00
R83D/SAL01	R-83D Sulfuric Acid Lift Tank Vent	H_2SO_4	1.00	1.00

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates lb/hr	TPY
R84/AFC111	R-84 AlF_3 - Converter No. 1 Wet Scrubber	PM/PM_{10}	0.20	--	
		HF	0.001	--	
		H_2SO_4	0.05	--	
		VOC	0.33	--	
R84/AFC211	R-84 AlF_3 - Converter No. 2 Wet Scrubber	PM/PM_{10}	0.20	--	
		HF	0.001	--	
		H_2SO_4	0.05	--	
		VOC	0.33	--	
R84/AFC311	R-84 AlF_3 - Converter No. 3 Wet Scrubber	PM/PM_{10}	0.20	--	
		HF	0.001	--	
		H_2SO_4	0.05	--	
		VOC	0.33	--	
R84/AFC411	R-84 AlF_3 - Converter No. 4 Wet Scrubber	PM/PM_{10}	0.20	--	
		HF	0.001	--	
		H_2SO_4	0.05	--	
		VOC	0.33	--	
R84/AFC511	R-84 AlF_3 - Converter No. 5 Wet Scrubber	PM/PM_{10}	0.20	--	
		HF	0.001	--	
		H_2SO_4	0.05	--	
		VOC	0.33	--	
R84/AFC611	R-84 AlF_3 - Converter No. 6 Wet Scrubber	PM/PM_{10}	0.20	--	
		HF	0.001	--	
		H_2SO_4	0.05	--	
		VOC	0.33	--	
	Total for all converters	PM/PM_{10}	--		5.398
		HF	--		0.10
		H_2SO_4	--		1.31
		VOC	--		8.67
R84/AFEX11	R-84 Aluminum	PM/PM_{10}	0.34		1.49

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
	Fluoride Elevator Bag Collector Stack			
R84/HFF101	R-84 HF Furnace No. 1 Vent	PM/PM_{10}	0.02	--
		SO_2	1.00	--
		CO	0.02	--
		NO_x	0.12	--
		VOC	0.01	--
		HF	0.01	--
R84/HFF201	R-84 HF Furnace No. 2 Vent	PM/PM_{10}	0.02	--
		SO_2	1.00	--
		CO	0.02	--
		NO_x	0.12	--
		VOC	0.01	--
		HF	0.01	--
R84/HFF301	R-84 HF Furnace No. 3 Vent	PM/PM_{10}	0.02	--
		SO_2	1.00	--
		CO	0.02	--
		NO_x	0.12	--
		VOC	0.01	--
		HF	0.01	--
R84/HFF401	R-84 HF Furnace No. 4 Vent	PM/PM_{10}	0.02	--
		SO_2	1.00	--
		CO	0.02	--
		NO_x	0.12	--
		VOC	0.01	--
		HF	0.01	--

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates lb/hr	TPY
R84/HFF501	R-84 HF Furnace No. 5 Vent	PM/PM_{10}	0.02	--	
		SO_2	1.00	--	
		CO	0.02	--	
		NO_x	0.12	--	
		VOC	0.01	--	
		HF	0.01	--	
R84/HFF601	R-84 HF Furnace No. 6 Vent	PM/PM_{10}	0.02	--	
		SO_2	1.00	--	
		CO	0.02	--	
		NO_x	0.12	--	
		VOC	0.01	--	
		HF	0.01	--	
	Total of all furnaces	PM/PM_{10}	--	0.53	
		SO_2	--	26.28	
		CO	--	0.53	
		NO_x	--	3.15	
		VOC	--	0.27	
		HF	--	0.27	
R84/HFK111	R-84 HF Kiln No. 1-Gypsum Box Wet Scrubber	PM/PM_{10}	0.04	--	
		HF	0.86	--	
		H_2SO_4	1.33	--	
		VOC	0.01	--	
R84/HFK211	R-84 HF Kiln No. 2-Gypsum Box Wet Scrubber	PM/PM_{10}	0.04	--	
		HF	0.86	--	
		H_2SO_4	1.33	--	
		VOC	0.01	--	
R84/HFK311	R-84 HF Kiln No. 3-Gypsum Box Wet Scrubber	PM/PM_{10}	0.04	--	
		HF	0.86	--	
		H_2SO_4	1.33	--	
		VOC	0.01	--	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates lb/hr	TPY
R84/HFK411	R-84 HF Kiln	PM/PM_{10}	0.04	--	
	No. 4-Gypsum	HF	0.86	--	
	Box Wet Scrubber	H_2SO_4	1.33	--	
		VOC	0.01	--	
R84/HFK511	R-84 HF Kiln	PM/PM_{10}	0.04	--	
	No. 5-Gypsum	HF	0.86	--	
	Box Wet Scrubber	H_2SO_4	1.33	--	
		VOC	0.01	--	
R84/HFK611	R-84 HF Kiln	PM/PM_{10}	0.04	--	
	No. 6-Gypsum	HF	0.86	--	
	Box Wet Scrubber	H_2SO_4	1.33	--	
		VOC	0.01	--	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
	Total for Gypsum Boxes	PM/PM_{10}	--	1.05
		HF	--	22.60
		H_2SO_4	--	34.95
		VOC	--	0.26
R84/SF1X11	R-84 WT Spar Feed No. 1 Bag Collector Stack	PM/PM_{10}	0.36	1.11
R84/SF1611	R-84 WT Spar Feed Nos. 2, 3, 4, and 5 Bag Collector Stack	PM/PM_{10}	1.44	4.42
R84/SF6X11	R-84 WT Spar Feed No. 6 Bag Collector Stack	PM/PM_{10}	0.36	1.11
R84NA/HS01	R-84 Hydrate Vessel Vent No. 4	PM/PM_{10}	0.03	0.03
R84NB/HS01	R-84 Hydrate Vessel Vent No. 5	PM/PM_{10}	0.03	0.03
R84NC/HS01	R-84 Hydrate Vessel Vent No. 6	PM/PM_{10}	0.03	0.03
R84NZ/HS11	R-84 Hydrate Vessels Common Stack-North Bag Collector	PM/PM_{10}	0.03	0.03
R84SA/HS01	R-84 Hydrate Vessel Vent No. 1	PM/PM_{10}	0.03	0.03
R84SB/HS01	R-84 Hydrate Vessel Vent No. 2	PM/PM_{10}	0.03	0.03
R84SC/HS01	R-84 Hydrate Vessel Vent No. 3	PM/PM_{10}	0.03	0.03

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R84SZ/HS11	R-84 Hydrate Storage Common Stack-South Bag Collector	PM/PM_{10}	0.03	0.03
R86Z/AFS11	R-86A and R-86B Aluminum Fluoride Storage Common Stack Bag Collector	PM/PM_{10}	0.08	0.08
Bulk Loading Dock				
R52/DOCK00	No. 30 Alumina Conveying Belt (4)	PM/Al_2O_3 PM_{10}	30.40 16.72	16.77 9.22
R51/ASVX11	R-51 Alumina Storage Vessel Bag Collector	PM/PM_{10}	0.22	0.94
R53C/AGCX11	R-53C Air Gravity Conveyor Bag Collector Stack-North	$PM/PM_{10}/PM_{2.5}$	0.08	0.37
R53C/AGCX21	R-53C Air Gravity Conveyor Bag Collector Stack-South	$PM/PM_{10}/PM_{2.5}$	0.08	0.37
R52/BLCX21	R-52 Bulk Loading Chute-North Bag Collector Stack	$PM/PM_{10}/PM_{2.5}/Al_2O_3$	0.28	1.23
R52/BLCX31	R-52 Bulk Loading Chute-South Bag Collector Stack	$PM/PM_{10}/PM_{2.5}/Al_2O_3$	0.54	2.36
R52/BLCD11	R-52 Bulk Conveyor Transfer Bag Collector Stack	$PM/PM_{10}/PM_{2.5}$	0.27	1.20

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
R53C/SVX11	R-53C Alumina Storage Vessel Bag Collector Stack	$PM/PM_{10}/PM_{2.5}$	0.29	1.27
B60/AT0X01	B-60 Alumina Transfer Facility (4)	PM PM_{10}	6.0 3.0	2.40 1.20
B60/AFTX01	Aluminum Fluoride Transfer Facility (4)	PM PM_{10}	0.3 0.15	2.0E-3 8.0E-4
R6C	Sodium Hydroxide Storage Tank	$PM/PM_{10}/PM_{2.5}$/NaOH	0.01	0.01
Miscellaneous				
B37/GXXX00	B-37 Garage (4)	VOC	1.00	1.00
B37/UOTX01	B-37 Used Oil Storage Tank Vent	VOC	1.00	1.00
B60/S00600	B-60 Smelting Lagoon (4)	VOC	1.00	1.00
R111/GXX00	R-111 Garage (4)	VOC	1.00	1.00
R148/SBN11	R-148 Sand Blasting Machine Shop-North Bag Collector Stack	PM/PM_{10}	0.50	0.30
R148/SBS11	R-148 Sand Blasting Machine Shop-South Bag Collector Stack	PM/PM_{10}	0.50	0.30
R148/MSX11	R-148 Machine Shop Sand Blasting Bag	PM/PM_{10}	1.00	1.00

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
	Collector Stack			

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) PM - particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - particulate matter equal to or less than 10 microns in diameter
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
H_2SO_4 - sulfuric acid
Hg - mercury
NaOH - sodium hydroxide
HCl - hydrogen chloride
Cl - chlorine
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
HF - hydrogen fluoride
Al_2O_3 - alumina
AlF_3 - aluminum fluoride
(4) Fugitive emissions are an estimate only.

Dated April 18, 2011