EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 6289 and PSD-TX-76M7

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 (4)	TPY
S-25	SO_2 Storage Tank	SO_2	0.09	0.38
BDS-5	Barge Dock Scrubber	VOC	1.03	0.71
FG-1	Cooling Tower	NH_3	0.64	2.82
		VOC	0.37	1.63
FG-AN-III	Acrylonitrile Fugitives	NH_3	0.43	1.88
		CO	0.01	0.04
		VOC	2.45	10.47
FL-G14	CB and I Ammonia Flare	NH_3	0.31	0.02
		CO	0.37	1.28
		NO_x	0.93	0.27
		SO_2	0.05	0.20
FL-G32	CB and I Propylene Flare	CO	0.29	1.26
		NO_x	0.06	0.25
		SO_2	0.01	0.06
FL-G33	Barge Dock Ammonia Flare	NH_3	0.10	<0.01
		CO	0.09	0.27
		NO_x	0.14	0.06
		SO_2	0.05	0.20
FL-G34	Barge Dock Propylene Flare	CO	2.04	0.49
		NO_x	0.40	0.10
		SO_2	0.05	0.20
		VOC	2.77	0.31
FL-G4	Process Flare	CO	6.53	15.60
		NO_x	2.58	3.58
		SO_2	0.14	0.61
		VOC	10.50	5.91

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr (4)	TPY
FL-G4A	Ammonia Flare	NH_3	0.92	0.13
		CO	0.54	1.32
		NO_x	1.32	0.34
		SO_2	0.01	0.06
FL-G5	Hydrogen Cyanide (HCN) Flare	CO	1.01	4.41
		NO_x	1.28	5.63
		SO_2	0.21	0.91
		VOC	4.44	19.40
G-2	Quench Water Clarifier Scrubber	VOC	1.05	0.07
H-3	HCN Incinerator	CO	120.00	525.60
		NO_x	173.00	757.70
		SO_2	4.50	19.70
		VOC	6.00	26.30
H-4A and B	AOGIB No. 1 and No. 2 (5)	NH_3	--	17.80
	Absorber Off-Gas	CO	--	131.00
	Incinerator/Boiler No. 1 and No. 2	NO_x	--	630.80
	Combined Annual Limits	PM_{10}	--	18.60
		SO_2	--	7.60
		VOC	--	43.40
H-4A and B	AOGIB No. 1 and No. 2	NH_3	2.03	--
	Absorber Off-Gas	CO	105.00	--
	Incinerator/Boiler No. 1 and No. 2	NO_x	150.00	--
	Maximum hourly rate EACH	PM_{10}	2.10	--
		SO_2	0.90	--
		VOC	9.46	--
H-4C	AOGIB No. 3	NH_3	1.10	4.70
	Absorber Off-Gas	CO	63.00	9.70
	Incinerator/Boiler No. 3	NO_x	90.00	119.60
		PM_{10}	1.30	5.58
		SO_2	0.40	1.90
		VOC	2.49	4.78
RRS-6	Railcar Vent Scrubber	VOC	0.37	0.07

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr (4)	TPY
S-11B and C	AN Rundown Tanks (6) (two Tanks)	VOC	0.39	1.05
S-12A, B, C, and D	AN Product Tanks (6) (four Tanks)	VOC	0.53	3.24
S-21	Catalyst Trap	PM_{10}	0.06	0.26
S-22	Bag Filter	PM_{10}	0.01	0.02
S-9A and B	Crude/Off Spec AN Tanks (6) (two Tanks)	VOC	0.61	1.91
WW-1	Wastewater Treatment	VOC	--	0.50

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources use area name or fugitive source name.
(3) PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
NH_3 - ammonia
(4) Hourly emissions are based on clock hour averages
(5) Annual emissions for AOGIBs No. 1 and No. 2 are combined because of the waste streams used for fuel and allow for the possibility that more of the waste stream may be fired in one boiler than the other.
(6) Hourly rate is maximum for each tank and annual rate is the combined total for all similar tanks

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

8,760 Hrs/year

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr (4)	TPY

Dated February 13, 2001