Permit Numbers 6289 and PSD-TX-76M8

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.

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	(4)
TPY**	<u></u>			
S-25	SO ₂ Storage Tank	SO ₂	0.09	0.38
BDS-5	Barge Dock Scrubber	VOC	1.03	0.71
FG-AN-III	Process Fugitives (5)	NH₃ VOC SO₂ CO	2.34 11.06 0.04 0.01	10.26 48.39 0.16 0.01
FG-1	Cooling Tower (5)	NH₃ VOC	2.50 1.01	10.94 4.40
FL-G14	CB and I Ammonia Flare	$\begin{array}{c} NH_3 \\ CO \\ NO_x \\ SO_2 \end{array}$	16.56 7.75 9.19 0.05	0.16 2.12 0.33 0.20
FL-G32	CB and I Propylene Flare	CO NO _x VOC SO ₂	2.47 1.24 3.89 0.01	2.17 0.26 0.10 0.06
FL-G33	Barge Dock Ammonia Flare	NH_3 CO NO_x SO_2	0.10 0.15 0.14 0.05	0.01 0.44 0.06 0.20
FL-G34	Barge Dock Propylene Flare	СО	2.04	0.80

Emission	Source Air	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	
TPY**				
		NO_x	0.40	0.10
		SO_2	0.05	0.20
		VOC	2.77	0.31
FL-G4	Process Flare	СО	10.66	20.98
		NO_x	2.80	4.27
		SO_2	0.28	0.76
		VOC	12.91	9.45
FL-G4A	Ammonia Flare	NH_3	0.92	0.13
		CO	4.13	2.22
		NO_x	1.32	0.34
		SO ₂	0.11	0.07
FL-G5	Hydrogen Cyanide (HCN) Flare	СО	4.77	6.73
	, , , ,	NO_x	0.83	1.98
		SO_2	0.31	0.91
		VOC	1.09	4.76
G-2	Quench Water Clarifier Scrubbe	r VOC	1.25	0.08
	•	Acetone	0.01	0.01
H-4A and B	AOGIB No. 1 and No. 2 (6)	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		24.97
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	

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	
TPY**				
	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
H4-D	AOGIB No. 4	NH ₃	6.67	29.20
2	Absorber Off-Gas	CO	8.80	38.40
	Incinerator/Boiler No. 4	NO _x	72.10	236.80
		PM_{10}	2.55	9.29
		SO_2	0.19	0.84
		VOC	6.84	13.14
RRS-6	Railcar Vent Scrubber	VOC	0.37	0.07
S-11B	AN Rundown Tank (7)	VOC	0.49	
S-11C	AN Rundown Tank (7)	VOC	0.49	
S-11B and C	AN Rundown Tanks (7) Combined Annual Limits	VOC		1.49
S-12A	AN Product Tank (7)	VOC	0.64	
S-12B	AN Product Tank (7)	VOC	0.64	
S-12D	AN Product Tank (7)	VOC	0.64	
S-12A, B, and D	AN Product Tanks (7) Combined Annual Limits	VOC		3.84
S-12C	AN Product Tank	VOC	0.37	1.38

Emission	Source	Air Contaminant	Emission Ra	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr (4)		
<u>TPY**</u> S-21	Catalyst Trap	PM ₁₀	1.02	4.46	
S-22	Bag Filter	PM ₁₀	0.01	0.03	
S-9A	Crude/Off Spec. AN Tank A (7)	VOC	0.61		
S-9B	Crude/Off Spec. AN Tank B (7)	VOC	0.61		
S-9A and S-9B	Crude/Off Spec. Tanks A and B Maintenance Emissions (7)	VOC	14.13		
S-9A and S-9B	Crude/Off Spec. Tanks A and B Combined Annual Limits	(7) VOC		2.49	
WW-1	Waste Water Treatment	VOC	0.21	0.50	
WW-2	Oxazole Regen Tank	VOC	0.01	0.01	

- (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 area name or fugitive source name.
- (3) PM₁₀ particulate matter (PM) 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 Title 30 Texas Administrative Code § 101.1
 - NO_x total oxides of nitrogen
 - SO₂ sulfur dioxide
 - CO carbon monoxide
 - NH₃ ammonia
- (4) Hourly emissions are based on clock hour averages
- (5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (6) 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 streams may be fired in one boiler than the other.
- (7) The hourly rate is maximum for each tank and an annual rate is the combined total for all similar tank

*	Emission rates are based on and the facilities are limited by the following maximum operating schedule:
	Hrs/day Days/weekWeeks/year or 8,760 Hrs/year
*	Compliance with annual emission limits is based on a rolling 12-month period.

Dated February 2, 2009