Permit Number 4005

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	TPY (5)
1	Plant 1 Scrubber System (Scrubber Nos. 1 and 2)		VOC CH₂O HCI COS	<0.01 0.03 <0.01 0.006	0.02 0.018 <0.01 0.001
2	Flare		VOC EO Naphthalene MeOH PO Xylene	4.70 1.37 <0.01 <0.01 1.46 <0.01	1.20 0.18 <0.01 <0.01 0.20 <0.01
4	Plant 2 Tank Farm		VOC	0.12	0.52
5	Plant 2 Fugitives (4)		VOC	1.06	4.65
6	Plant 2 Loading and Drummin Operations	g	VOC	1.41	0.15
7	Oil Heaters	CO	VOC NO _x 1.51	0.016 0.90 6.62	0.07 3.94
8	Plant 1 Tank Farm		VOC HCI	0.07 0.02	0.155 0.075

Emission	Source	Air Contaminant		n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY (5)
9	Plant 1 Fugitives, Transfer, and Drumming Operations (4	VOC) HCI CH₂O NH₃	0.021 0.003 0.042 0.06	<0.01 <0.001 0.085 0.26
10	Oil/Water Separator Basin	CH ₂ O	<0.01	0.03
11	Plant 2 Cooling Tower	VOC	0.36	1.58
16	H I	VOC C) MeOH Kylene HAN 0.17 sopropanol Ethylbenzene	1.20 0.06 0.01 0.01 0.01 0.01	0.84 0.01 0.01 0.01 0.01
17	Scrubber System, S-7951	VOC	<0.01	0.01
18		Total VOC EO Naphthalene MeOH PO Xylene Acrylic Acid TDI Non-HAP VOC HAN 0.01 Ethyl Benzene	4.60 0.05 0.04 0.42 0.05 0.12 0.08 <0.01 3.31 0.02 0.01	3.18 0.22 0.05 0.42 0.12 0.15 0.05 0.01 2.12
20	Scrubber No. S7940	VOC	0.04	<0.01
22	Scrubber No. S7944	VOC	0.03	<0.01
23	Tank 7942	VOC	<0.01	<0.01

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emissic</u> lb/hr	n Rates * TPY (5)
24	Tank 7938	VOC	0.03	<0.01
25	Tank 7929	VOC	0.03	<0.01
26	Tank 7930	VOC	0.03	<0.01
27	Tank 7936	VOC	0.63	2.75
28	Tank 7935	VOC	0.58	0.01
29	Tank 7934	VOC	0.57	0.01
30	Tank 7945	VOC	<0.01	<0.01
31	R110 Drum Loading, Plant 3	VOC Polymerized Polyol	<0.01 0.12	<0.01 0.02
32	T-7949	Xylene Ethyl Benzene	0.46 0.12	0.01 0.01
33	Resin Storage (Tank 7948)	VOC	0.98	0.16
34	Fatty Acid Storage (Tank 7950	O) VOC	<0.01	<0.01
35	PTBP Storage (Tank 7947)	VOC	<0.01	<0.01
36	T-7925	Polyol	0.98	0.04

Emission	Source	Air	Contaminant	Emission	n Rates *
Point No. (1)	Name (2)		Name (3)	lb/hr	TPY (5)
37	Boiler	NO _x	VOC 0.98 0.83	0.05 4.29 3.64	0.22
38	TF-13 Fugitives and Loading (Tanks 7956, 7957, 7958, 7960,7961, 7962, 7963, 79 and 7965)	7959,	VOC	27.00	0.83
39	TF-15 Fugitives (Tanks 7969, 7970)		EO PO	0.02 0.02	0.10 0.10
40	TF-16 (Tank and Fugitives) (Tanks 7971, 7972)	Ethyl Polyc	HAN Xylene Benzene ols	0.02 0.02 0.01 0.01	0.07 0.01 0.01 0.05
41	T-7953		VOC	0.01	0.01
42	T-7968		VOC	0.01	0.01
43	T-7940 (Tank and Fugitives)		Deta	0.01	0.02
44	T-7941 (Tank and Fugitives)		Deta imidazoline	0.01 0.01	0.04 0.01
45	T-7942 (Tank and Fugitives)		Deta	0.01	0.04
46	T-7955 (Tank and Fugitives)		Monoethanol amine	0.01	0.03

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY (5)
47	T-7966 (Tank and Fugitives)	Imadazoline HAN Oxyalkylated Amine Amide MeOH	0.03 0.01 0.02 0.01 0.01	0.02 0.01 0.02 0.01 0.01
		2-Butoxy-ethanol	0.01	0.01
48	T-7967 (Tank and Fugitives)	HAN Xylene Ethyl Benzene IPA Complex Polyol Polyol Resin Nonyl Phenol Resin	0.14 0.01 0.01 0.01 0.01 0.01	0.15 0.01 0.01 0.01 0.01 0.01
49	Drum and Tote Loading, Plant 4	VOC HAN Xylene MeOH IPA Ethyl Benzene	4.95 3.45 0.05 1.23 0.16 0.01	0.15 0.10 0.01 0.04 0.01 0.01
50	T-7910	HAN Naphthalene	0.68 0.01	0.03 0.01

schedule:

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION SOURCES

(1)	•	identification - either specific equipment designation or emission point number iplot plan.
(2) (3)		ource name. For fugitive sources use area name or fugitive source name volatile organic compounds as defined in Title 30 Texas Administrative Code
(-)	§ 101.	
	CH ₂ O	- formaldehyde
	HCI	- hydrogen chloride
	COS	- carbonyl sulfide
	EO	- ethylene oxide
	MeOH	- methyl alcohol
	HAN	- heavy aromatic naphtha
	IPA	- isopropanol
	PO	- polypropylene oxide
	NO_x	- total oxides of nitrogen
	CO	- carbon monoxide
	NH_3	- ammonia
	TDI	- toluene diisocyanate
		- nonhazardous air pollutant VOC
	total VOC	- total volatile organic compound
(4)	•	ons are an estimate only and should not be considered as a maximum allowable ion rate.
*	Emission rates	are based on and the facilities are limited by the following maximum operating

Hrs/day _____ Days/week ____ Weeks/year ____ or Hrs/year ____ 8,760

(5) Annual emissions are based on a rolling 12-month basis.