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	Emissio	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY **
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 F-1	VOC EO Naphthalene Methanol PO Xylene NO _x CO SO ₂	7.56 1.37 <0.01 <0.01 1.46 <0.01 0.35 2.97 0.01	1.62 0.18 <0.01 <0.01 0.20 <0.01 0.10 0.87 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 Drumming	VOC	1.41	0.15
7	3 Oil Heaters	$\begin{array}{c} VOC \\ NO_x \\ CO \\ SO_2 \\ PM_{10} \end{array}$	0.04 0.25 0.57 0.05 0.05	0.16 1.09 2.49 0.21 0.23
8	Plant 1 Tank Farm	VOC HCl	0.07 0.02	0.155 0.075

Emission	Source	Air Contaminant		n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY **
9	Plant 1 Fugitives (4), Transfer and Drumming Operations	, 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	CH₂O	<0.01	0.03
11	Plant 2 Cooling Tower	VOC	0.36	1.58
16		VOC C) Methanol Xylene HAN 0.17 Isopropanol 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 Methanol PO Xylene Acrylic Acid TDI Non-HAP VOC HAN 0.01 Ethyl Benzene	5.59 0.05 0.04 0.42 0.05 0.12 0.08 <0.01 3.31 0.02 0.01	3.28 0.22 0.05 0.42 0.12 0.15 0.05 0.01 2.12
20	Scrubber No. S-7940	VOC	0.04	<0.01
22	Scrubber No. S-7944	VOC	0.03	<0.01
23 24	Tank 7942 Tank 7938	VOC VOC	<0.01 0.03	<0.01 <0.01

Emission	Source	Air Contaminant			n Rates *
Point No. (1)	Name (2)		Name (3)	lb/hr	TPY **
25	Tank 7929		Code 199	6.61	0.09
26	Tank 7930		VOC	0.03	<0.01
27	Tank 7936		VOC	0.63	2.75
28	Tank 7935		HS 150	0.90	0.02
29	Tank 7934		HS 150	0.75	0.02
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	Tank 7949	Ethyl	Xylene Benzene	0.46 0.12	0.01 0.01
33	Resin Storage (Tank 7948)		VOC	0.98	0.16
34	Fatty Acid Storage (Tank 795	50)	VOC	<0.01	<0.01
35	PTBP Storage (Tank 7947)		VOC	<0.01	<0.01
36	Tank 7925		PPG 3815	0.01	0.04
37	Boiler	NO _x	VOC 0.29 0.83	0.05 1.28 3.62	0.24
			SO ₂ PM ₁₀	0.07 0.07	0.31 0.33
38	TF-13 Fugitives and Loading (Tanks 7956, 7957, 7958, 7 7960,7961, 7962, 7963, 796 and 7965)		VOC	27.00	0.83

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY **
39	TF-15 Fugitives	EO	0.02	0.10
	(Tanks 7969 and 7970)	PO	0.02	0.10
	,			
40	TF-16 (Tank and Fugitives)	HAN	0.02	0.07
	(Tanks 7971 and 7972)	Xylene	0.02	0.01
		Ethyl Benzene	0.01	0.01
		Polyols	0.01	0.05
41	Tank 7953	VOC	0.01	0.01
	raim root	, 55	0.02	0.01
42	Tank 7968	VOC	0.01	0.01
				_
43	Tank 7940	Xylene	5.19	0.11
44	Tank 7941	Deta	0.01	0.04
	(Tank and Fugitives)	Imidazoline	0.01	0.01
	,			
45	Tank 7942	Deta	0.14	0.01
46	Topk 7055	Manaathanal amina	0.01	0.03
40	Tank 7955 (Tank and Fugitives)	Monoethanol amine	0.01	0.03
	(Tank and Fugitives)			
47	Tank 7966	Imadazoline	0.03	0.02
	(Tank and Fugitives)	HAN	0.01	0.01
		Oxyalkylated Amine	0.02	0.02
		Amide	0.01	0.01
		Methanol	0.01	0.01
		2-Butoxy-ethanol	0.01	0.01
48	Tank 7967	HAN	0.14	0.15
- -∪	(Tank and Fugitives)	Xylene	0.14	0.13
	(Talik alia Tagilives)	Ethyl Benzene	0.01	0.01
		IPA	0.01	0.01
		Complex Polyol	0.01	0.01
		Polyol Resin	0.01	0.01
		,		

Emission	Source A	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY **
		Nonyl Phenol Resin	0.01	0.01
49	Drum and Tote Loading, Plant 4	VOC HAN Xylene Methanol 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	Tank 7910	Code 1506 HAN Naphthalene	5.88 0.68 0.01	0.20 0.03 0.01
51	Tank 7903	VOC	0.68	0.01
52	Tank 7908	VOC	0.18	0.01
53	Tank 7911	VOC	0.01	0.01
54	Tank 7947	VOC	0.01	0.02
55	Tank 7948	VOC	9.63	0.46
56	Tank 7950	VOC	0.06	0.01
57	Tank 7956	VOC	4.65	0.39
58 59	Tank 7960 Tank 7964	VOC VOC	5.22 0.01	0.40 0.01
60	Tank 7976	VOC	5.24	0.34
61	Tank 7977	VOC	5.22	0.28
62	Tank 7978	Methanol	18.30	0.37

Emission	Source	Air Contaminant	Emission	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY **	
63	Tank 7984	VOC	5.24	0.28	
64	Tank 7985	VOC	0.48	0.03	
65	R113 Fugitives (4)	VOC	0.33	1.46	
66	Thermal Fluid Heater HOH-4	VOC NO_x CO SO_2 PM_{10}	0.04 0.28 0.63 0.10 0.06	0.18 1.20 2.75 0.44 0.25	
67	Flare F-2	VOC NO _x CO SO ₂	0.52 1.45 12.52 0.01	0.02 0.67 4.30 0.01	
68	Thermal Oxidizer TO-1	VOC NO_x CO SO_2 PM_{10}	0.19 0.20 0.17 0.01 0.02	0.06 0.90 0.75 0.02 0.07	
69	R113 Truck Loading Losses	VOC	0.20	0.01	
83	Tank 7982	VOC	0.09	0.02	
T7983	Tank 7983	VOC	3.38	0.10	
ACCUTANK	Accumulator Tank	VOC	0.25	<0.01	
SRULOAD	SRU Truck Loading Losses	VOC	0.99	0.05	
SRUFUG	SRU Equipment Fugitives	VOC	0.43	1.87	

⁽¹⁾ Emission point identification - either specific equipment designation or emission point number from plot plan.

AIR CONTAMINANTS DATA

Emi	ssion	Source	Air Contaminant	Emission R	Rates *
<u>Poir</u>	nt No. (1)	Name (2)	Name (3)	lb/hr	TPY **
(2) (3)	VOC		For fugitive sources use area name or fugitivation panic compounds as defined in Title 30 Tex		
(4)	total VOC NO_x CO SO_2 PM_{10} Emission r	 total volatile total oxides carbon modes sulfur dioxi particulate ate is an estimate 	chloride ulfide xide utyl phenol matic naphtha ol ene oxide socyanate ous air pollutant VOC e organic compounds s of nitrogen noxide	ing the requi	rements of
*	S	chedule:	and the facilities are limited by the followi	ng maximum -	n operating
** 12-	Complian month per		annual emission rates is base	ed on a	rolling

Dated: March 7, 2008