

Emission Sources - Maximum Allowable Emission Rates

Permit Number 45463

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, sources, and related activities. 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	
			lbs/hour	TPY (6)
1	Boiler No. 1	NO _x	0.41	1.80
		CO	0.35	1.51
		SO ₂	0.01	0.01
		PM	0.03	0.14
		VOC	0.02	0.10
2	Boiler No. 2	NO _x	0.62	2.71
		CO	0.52	2.27
		SO ₂	0.01	0.02
		PM	0.05	0.21
		VOC	0.03	0.15
5	Burn-Zol Thermal Oxidizer	NO _x	0.98	4.29
		CO	0.82	3.61
		SO ₂	0.01	0.03
		PM	0.08	0.33
		VOC	0.05	0.24
6	Soap Line Dust Collector	PM	0.06	0.01
7	White Line Dust Collector	PM	0.35	0.03
8	Asphalt Line Dust Collector	PM	1.28	0.01
9	Black Line Dust	PM	0.16	0.02

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	Collector			
10	Organoclay Product Dust Collector	PM	0.13	0.36
11	Hot Oil Fill Tank 22-T-201	VOC	0.10	0.01
12	Diesel Storage Tank 28-T-301	VOC	0.02	0.01
13	Storage Tank 30-T-301	VOC	0.55	0.03
		DETA (8)	0.05	0.01
14	Storage Tank 30-T-302	VOC	0.55	0.03
		DETA (8)	0.05	0.01
15	Storage Tank 30-T-303	VOC	0.55	0.03
		DETA (8)	0.05	0.01
16	Storage Tank 30-T-304	VOC	0.55	0.04
		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
17	Storage Tank 30-T-305	VOC	0.55	0.04
		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
18	Storage Tank 30-T-306	VOC (8)	0.55	0.04
		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
19	Storage Tank 30-T-306	VOC	0.55	0.04
		DETA (8)	0.05	0.01
20	Storage Tank 30-T-310	VOC	0.55	0.04
		DETA (8)	0.05	0.01
21	Storage Tank 30-T-311	VOC	0.55	0.03

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		DETA (8)	0.05	0.01
22	Storage Tank 30-T-312	VOC	0.55	0.04
		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
23	Storage Tank 30-T-314	VOC	0.55	0.06
		DETA (8)	0.05	0.01
24	Storage Tank 30-T-315	VOC	0.55	0.06
		DETA (8)	0.05	0.01
25	Storage Tank 30-T-316	VOC	0.55	0.06
		DETA (8)	0.05	0.01
26	Storage Tank 30-T-318	VOC	0.55	0.04
		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
27	Storage Tank (5) 30-T-322	VOC	0.55	0.06
		DETA (8)	0.05	0.01
28	Storage Tank (5) 30-T-324	VOC	0.55	0.03
		DETA (8)	0.05	0.01
29	Storage Tank 30-T-327	VOC	0.55	0.04
		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
30	Storage Tank 30-T-328	VOC	0.55	0.04
		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
31	Storage Tank 30-T-329	VOC	0.55	0.04
		DETA (8)	0.05	0.01

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		Acrylic Acid (8)	0.42	0.02
33	Storage Tank 60-T-639	VOC	0.55	0.03
		DETA (8)	0.05	0.01
34	Wet Scrubber #1	VOC	0.14	0.01
35	Wastewater Treatment Plant	VOC	0.89	1.49
36	Process Fugitives (4)	VOC	0.65	1.80
37	Drum Loading Operation	VOC	3.21	0.27
38	Hot House Furnace No. 1	NO _x	0.02	0.08
		CO	0.01	0.03
		SO ₂	0.01	0.01
		PM	0.01	0.01
		VOC	0.01	0.01
39	Hot House Furnace No. 2	NO _x	0.02	0.08
		CO	0.01	0.03
		SO ₂	0.01	0.01
		PM	0.01	0.01
		VOC	0.01	0.01
40	Storage Tank 30-T-350	VOC	0.55	0.06
		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
41	Storage Tank 30-T-351	VOC	0.55	0.06
		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
42	Storage Tank 30-T-352	VOC	0.55	0.06

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		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
43	Storage Tank 30-T-353	VOC	0.55	0.06
		DETA (8)	0.05	0.01
		Acrylic Acid (8)	0.42	0.02
44	Wet Scrubber #2 (7)	VOC	6.58	5.50
45	Hot Oil Heater #2	NO _x	0.49	2.15
		CO	0.41	1.80
		SO ₂	0.01	0.01
		PM	0.04	0.16
		VOC	0.03	0.12

Emission Sources - Maximum Allowable Emission Rates

- (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)

CO	- carbon monoxide
DETA	- diethylenetriamine
NO _x	- total oxides of nitrogen
PM	- total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	- total particulate matter equal to or less than 10 microns in diameter, including PM _{2.5} , as represented
PM _{2.5}	- particulate matter equal to or less than 2.5 microns in diameter
SO ₂	- sulfur dioxide
VOC	- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (5) These tanks shall not be filled simultaneously.
- (6) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (7) EPN 44 controls tanks facility identification numbers 30-T-332, 30-T-354, 30-T-355, 30-T-356 and 30-T-357, plus reactors and blenders.
- (8) Emission rates for DETA and Acrylic Acid are included as part of the total VOC emission rates.

Date: November 5, 2015