

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 3537

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 (4)
2	Crude Pine Oil Reactor	VOC	0.75	0.16
4	Boiler, Holman-Continental	CO	1.89	3.31
		NO <sub>x</sub>	1.26	2.21
		PM	0.06	0.11
		PM <sub>10</sub>	0.06	0.11
		PM <sub>2.5</sub>	0.06	0.11
		VOC	0.20	0.35
		SO <sub>2</sub>	0.01	0.02
5	Bulk Loading Rack	VOC	2.03	0.05
6	Rail Car Loading	VOC	0.22	0.01
7	Tank 101	VOC	1.16	0.32
8	Tank 102	VOC	3.92	0.68
9	Tank 103	VOC	0.04	0.01
10	Tank 104	VOC	0.04	0.01
11	Tank 105	VOC	0.04	0.01
12	Tank 106	VOC	0.04	0.01
13	Tank 107	VOC	0.16	0.01
14	Tank 108	VOC	0.49	0.01

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15	Tank 109	VOC	0.58	0.01
16	Tank 110	VOC	0.18	0.01
17	Tank 111	VOC	0.16	0.01
18	Tank 112	VOC	0.04	0.01
19	Tank 113	VOC	0.24	1.05
20	Tank 114	VOC	0.76	0.07
21	Tank 115	VOC	0.71	0.02
22	Tank 117	VOC	0.11	0.01
23	Tank 119	VOC	0.04	0.01
24	Tank 120	VOC	0.46	0.04
25	Tank 121	VOC	0.86	0.04
26	Tank 123	VOC	0.10	0.01
27	Tank 124	VOC	0.33	1.44
28	Tank 125	VOC	0.03	0.01
29	Tank 145	VOC	0.36	0.07
34	Tank 179	VOC	1.37	0.14
35	Tank 180	VOC	0.75	0.03
38	Tank 183	VOC	0.87	0.06
39	Tank 184	VOC	0.59	0.06
40	Tank 185	VOC	1.59	0.10
48	Tank 194	VOC	0.62	0.01
49	Fugitives (5)	VOC	0.50	2.21
50	Tank 11A	VOC	0.19	0.07
52	Pine Soap Reactor	VOC	0.04	0.01
53	Crude Pine Oil Washer	VOC	0.20	0.04

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54	Crude Pine Oil Washer	VOC	0.20	0.04
56	Tank 116	VOC	0.74	0.08
57	New Crude Pine Oil Reactor	VOC	0.58	0.21
61	Tank 195	VOC	1.06	0.01
79	Vapor Tank for Receiver tanks 1&2 with vent	VOC	0.19	0.27
82	Scrubber, SCRUB-2 (6)	VOC	3.71	3.10
84	Boiler, Cleaver-Brooks	CO	2.20	6.86
		NO <sub>x</sub>	2.51	6.36
		PM	0.30	0.81
		PM <sub>10</sub>	0.30	0.81
		PM <sub>2.5</sub>	0.30	0.81
		VOC	0.37	1.13
		SO <sub>2</sub>	2.37	3.70
85	Reactor 6	VOC	0.09	0.01
86	Small fractionating column Scrubber, SCRUB-6	VOC	0.16	0.46

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - total particulate matter equal to or less than 2.5 microns in diameter  
CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Includes cooling system emissions.

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Date: May 29, 2018