

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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. 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 *	
			lb/hr	TPY
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	0.01
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
3	Hot Oil Heater	NO _x	1.26	5.53
		CO	1.06	4.65
		SO ₂	<0.01	0.03
		PM	0.10	0.42
		VOC	0.07	0.30
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	0.04	<0.01
8	Asphalt Line Dust Collector	PM	1.28	<0.01
9	Black Line Dust Collector	PM	0.16	0.02

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			lb/hr	TPY
10	VG-69 Product Dust Collector	PM	0.13	0.36
11	Hot Oil Fill Tank	VOC	0.10	<0.01
12	Diesel Storage Tank	VOC	0.02	<0.01
14	Dimer Acid Storage Tank	VOC	<0.01	<0.01
15	Oleic Acid Storage Tank	VOC	<0.01	<0.01
18	DETA Storage Tank	VOC	0.01	<0.01
19	Alkanolamide Storage Tank	VOC	0.01	<0.01
22	Crude Texanol Storage Tank	VOC	0.37	0.01
23	Lube 167 Storage Tank	VOC	7.47	0.12
24	Phenol Storage Tank	VOC	0.12	<0.01
26	Dipropylene Glycol Bottoms Storage Tank	VOC	0.05	<0.01
27	Imidazoline Storage Tank	VOC(5)	28.47	0.86
28	Imidazoline Storage Tank	VOC(5)	28.47	0.86
30	Diesel Storage Tank	VOC	0.09	<0.01
31	Glycol Ether Bottoms Storage Tank	VOC	<0.01	<0.01
33	Adogen Storage Tank	VOC	11.01	2.49
34	Wet Scrubber	VOC	1.13	4.93
35	Wastewater Treatment Plant	VOC	0.37	1.47

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			lb/hr	TPY
36	Process Fugitives (4)	VOC	0.34	1.51
37	Drum Loading Operation	VOC	1.26	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

- (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 30 Texas Administrative Code Section 101.1
 NO_x - total oxides of nitrogen
 PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 PM₁₀ - particulate matter 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.
- SO₂ - sulfur dioxide
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These tanks shall not be filled simultaneously.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>

Dated_____