

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 110945

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)
185-301	Tank 185-301	VOC	0.94	0.90
185-302	Tank 185-302	VOC	0.94	0.90
185-303	Tank 185-303	VOC	1.05	2.65
185-304	Tank 185-304	VOC	1.05	2.65
185-305	Tank 185-305	VOC	1.05	2.65
185-306	Tank 185-306	VOC	1.05	2.65
85-301	Tank 85-301	VOC	1.38	2.35
85-302	Tank 85-302	VOC	1.38	2.35
85-303	Tank 85-303	VOC	1.38	2.35
85-304	Tank 85-304	VOC	1.38	2.35
10-301	Tank 10-301	VOC	1.83	1.98
10-302	Tank 10-302	VOC	1.83	1.98
10-303	Tank 10-303	VOC	1.83	1.98
1-1	Tank 1-1	VOC	0.07	<0.01
1-2	Tank 1-2	VOC	0.07	<0.01
1-3	Tank 1-3	VOC	0.07	<0.01
TankCap	Tank Cap	VOC	----	9.24
TKLAND	TKLAND	VOC	15.01	0.61
TKVCU-1	TKVCU-1	VOC	3.25	0.20
		NOx	1.54	0.15

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TKVCU-1	TKVCU-1	CO	2.05	0.20
		SO2	0.02	<0.01
		PM	0.99	0.10
		PM10	0.99	0.10
		PM2.5	0.99	0.10
FUG	Fugitives	VOC <sup>5</sup>	0.22	0.96
LOADFUG	Uncontrolled Marine Loading Cap	VOC <sup>5</sup>	30.93	5.33
CON-1	Controlled Marine Loading Cap	VOC	14.92	4.96
		NOx	13.56	3.34
		CO	18.08	4.45
		SO2	0.13	0.03
		PM	1.68	0.41
		PM10	1.68	0.41
		PM2.5	1.68	0.41
MSS	MSS Emissions	VOC	83.34	2.34
		NOx	4.16	0.35
		CO	5.55	0.46
		SO2	0.04	< 0.01
		PM	3.17	0.22
		PM10	3.17	0.22
		PM2.5	3.17	0.22
EGEN	Emergency Generator	VOC	0.03	<0.01
		NOx	14.56	0.36

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		CO	0.38	0.01
		SO2	2.75	0.07
		PM	0.05	<0.01
		PM10	0.05	<0.01
		PM2.5	0.05	<0.01
FIRE1	Fire Water Pump No. 1	VOC	0.03	<0.01
		NOx	14.56	0.36
		CO	0.38	0.01
		SO2	2.75	0.07
		PM	0.05	<0.01
		PM10	0.05	<0.01
		PM2.5	0.05	<0.01
FIRE2	Fire Water Pump No. 2	VOC	0.03	<0.01
		NOx	14.56	0.36
		CO	0.38	0.01
		SO2	2.75	0.07
		PM	0.05	<0.01
		PM10	0.05	<0.01
		PM2.5	0.05	<0.01
SUMP 1&2	Sump No. 1 & 2	VOC	<0.01	0.34
BENCAP	Permit Benzene Emission Cap	Benzene	1.73	0.24

- (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

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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>	- 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.

Date: March 4, 2015