

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 535

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)
DGRMTSHOP	Solvent Degreasing	VOC	0.73	0.33
FS-803	Firewater Diesel	CO	1.70	0.04
		NO <sub>x</sub>	7.91	0.21
		PM	0.56	0.01
		PM <sub>10</sub>	0.56	0.01
		PM <sub>2.5</sub>	0.56	0.01
		SO <sub>2</sub>	0.52	0.01
		VOC	0.63	0.02
FS-POND	Brine Pond	VOC	10.31	1.73
FUG W SR	Wastewater Collection	VOC	0.11	0.47
SF-601	Hot Oil Heater	CO	2.47	5.41
		NO <sub>x</sub>	2.94	6.44
		PM	0.22	0.49
		PM <sub>10</sub>	0.22	0.49
		PM <sub>2.5</sub>	0.22	0.49
		SO <sub>2</sub>	0.12	0.26
		VOC	0.16	0.35
SF-602	Hot Oil Heater	CO	2.50	5.48
		NO <sub>x</sub>	2.98	6.53
		PM	0.23	0.50

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		PM <sub>10</sub>	0.23	0.50
		PM <sub>2.5</sub>	0.23	0.50
		SO <sub>2</sub>	0.12	0.26
		VOC	0.16	0.36
SF-603	Hot Oil Heater	CO	2.47	5.41
		NO <sub>x</sub>	2.94	6.44
		PM	0.22	0.49
		PM <sub>10</sub>	0.22	0.49
		PM <sub>2.5</sub>	0.22	0.49
		SO <sub>2</sub>	0.12	0.26
		VOC	0.16	0.35
SM-404	Diesel Generator	CO	2.61	0.07
		NO <sub>x</sub>	12.09	0.31
		PM	0.86	0.02
		PM <sub>10</sub>	0.86	0.02
		PM <sub>2.5</sub>	0.86	0.02
		SO <sub>2</sub>	0.80	0.02
		VOC	0.96	0.03
SM-701	Warm Flare	CO	64.74	15.36
		NO <sub>x</sub>	16.26	3.86
		SO <sub>2</sub>	0.03	0.01
		VOC	27.12	4.48
SM-701A	Cold Flare	CO	42.48	10.75
		NO <sub>x</sub>	10.67	2.70
		SO <sub>2</sub>	0.03	0.01
		VOC	5.63	4.11

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SP-101C	Freshwater Diesel	CO	0.66	0.02
		NO <sub>x</sub>	3.07	0.08
		PM	0.22	0.01
		PM <sub>10</sub>	0.22	0.01
		PM <sub>2.5</sub>	0.22	0.01
		SO <sub>2</sub>	0.20	0.01
		VOC	0.24	0.01
FUG V SR	Valve/Flange/Pump Process Fugitives (5)	VOC	3.99	17.46

- (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> - 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: November 12, 2014