

Emission Sources - Maximum Allowable Emission Rates

Permit Number 100091, PSDTX1286, and N154

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)
HR15001A	Hot Oil Heater	NO _x	4.00	15.33
		CO	12.43	27.23
		VOC	0.28	1.23
		PM	0.56	2.45
		PM ₁₀	0.56	2.45
		PM _{2.5}	0.56	2.45
		SO ₂	0.35	1.52
HR15001B	Hot Oil Heater	NO _x	4.00	15.33
		CO	12.43	27.23
		VOC	0.28	1.23
		PM	0.56	2.45
		PM ₁₀	0.56	2.45
		PM _{2.5}	0.56	2.45
		SO ₂	0.35	1.52
HR15002A	Regenerant Heater	NO _x	1.00	3.12
		CO	3.80	5.54
		VOC	0.06	0.25
		PM	0.14	0.62
		PM ₁₀	0.14	0.62
		PM _{2.5}	0.14	0.62
		SO ₂	0.07	0.31

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HR15002B	Regenerant Heater	NO _x	1.00	3.12
		CO	3.80	5.54
		VOC	0.06	0.25
		PM	0.14	0.62
		PM ₁₀	0.14	0.62
		PM _{2.5}	0.14	0.62
		SO ₂	0.07	0.31
FRAC F EFa	Frac A Process Fugitives (5)	VOC	0.94	4.14
		H ₂ S	0.01	0.01
FRAC F EFb	Frac B Process Fugitives (5)	VOC	0.93	4.07
		H ₂ S	0.01	0.01
HT16.028A	Refrigerant Condenser	PM	0.33	1.44
		PM ₁₀	0.22	0.99
		PM _{2.5}	0.09	0.38
HT16.028B	Refrigerant Condenser	PM	0.33	1.44
		PM ₁₀	0.22	0.99
		PM _{2.5}	0.09	0.38
HT16.029A	Reflux Cooler	PM	0.08	0.34
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.02	0.09
HT16.029B	Reflux Cooler	PM	0.08	0.34
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.02	0.09
SV19.003A	Lean Amine Tank	VOC	<0.01	<0.01
SV19.003B	Lean Amine Tank	VOC	<0.01	<0.01
SV19.002A	Amine Tank	VOC	<0.01	<0.01

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SV19.002B	Amine Tank	VOC	<0.01	<0.01
SV19.006A	Wastewater Tank	VOC	0.36	0.03
SV19.006B	Wastewater Tank	VOC	0.36	0.03
SK25.001	Flare	NO _x	26.87	10.34
		CO	41.09	30.04
		VOC	20.68	6.77
		SO ₂	1.44	3.00
		H ₂ S	0.02	0.03

- (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_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - 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
CO - carbon monoxide
H₂S - hydrogen sulfide
- (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: April 5, 2016