

Emission Sources - Maximum Allowable Emission Rates

Permit Number 3216

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)
FOL601	Gas Oil Stabilizer Reboiler	VOC	0.1	0.38
		NO _x	3.8	15.33
		CO	1.3	5.37
		SO ₂	1.2	4.94
		PM	0.6	2.10
		PM ₁₀	0.6	2.10
		PM _{2.5}	0.6	2.10
FOL602	Stage 3 Preheat Furnace	VOC	0.04	0.16
		NO _x	1.6	6.61
		CO	0.6	2.31
		SO ₂	0.5	2.13
		PM	0.3	0.91
		PM ₁₀	0.3	0.91
		PM _{2.5}	0.3	0.91
FOL603	Hydrogen Preheat Furnace	VOC	0.09	0.26
		NO _x	3.6	10.47
		CO	1.3	3.66
		SO ₂	1.16	3.37
		PM	0.5	1.50
		PM ₁₀	0.5	1.50
		PM _{2.5}	0.5	1.50
FOL604	Gasoline Stabilizer Reboiler	VOC	0.1	0.49
		NO _x	4.9	15.15
		CO	1.3	5.30
		SO ₂	1.1	4.88

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		PM	0.6	2.08
		PM ₁₀	0.6	2.08
		PM _{2.5}	0.6	2.08
FUGC5C7	Fugitives (5)	VOC	0.06	0.25
HT2FUG	Fugitives (5)	VOC	2.06	9.04
		Benzene	0.62	2.72
TOL600	Lube Oil Storage	VOC	0.43	0.16
TOL905	C6+ Pygas Storage	VOC	0.77	1.58
		Benzene	0.50	0.96
F347	Storage Tank	VOC	0.60	0.32
F350	Storage Tank	VOC	0.63	0.48
F355	Storage Tank	VOC	20.24	18.13
F357	Storage Tank	VOC	0.68	1.05
F358	Storage Tank	VOC	0.68	1.05
F359/F361	Storage Tank	Benzene	1.90	5.74
		VOC	1.90	5.74
G353	Storage Tank	Benzene	0.53	1.26
		VOC	0.80	1.84
G354	Storage Tank	Benzene	0.52	1.21
		VOC	0.78	1.77
F349/F351	Storage Tank	VOC	<0.01	<0.01
		Benzene	<0.01	<0.01
		Ammonia	0.06	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 (6) - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ (7) - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}

PM₁₀ - particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

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- (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) Emissions of VOC include benzene contributions.
- (7) Emissions of SO₂ are based on the hydrogen sulfide content in the fuel.

Date: January 26, 2022