

Emission Sources - Maximum Allowable Emission Rates

Permit Number 56568

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	Source Name	Air Contaminant	Emission Rates	
No. (1)	(2)	Name (3)	lbs/hour	TPY (4)
EQCLDEGAS	Equipment Clearing And Degassing (Atmosphere)	VOC	272.10	0.88
FLARE1	Flare (Maintenance/Startup/Shutdown Operations)	VOC	171.43	6.91
		NO _x	11.67	0.67
		CO	59.38	3.40
		SO ₂	0.01	0.01
		NH ₃	0.04	0.01
MATLHAND	Material Handling	PM	0.11	0.04
		PM ₁₀	0.04	0.01
		PM _{2.5}	0.02	0.01
SAMPLING	Sampling Activities	VOC	0.08	0.41
MISCMT	Miscellaneous Maintenance	VOC	0.80	0.41
ABBLAST	Abrasive Blasting	PM	4.62	1.44
		PM ₁₀	1.10	0.34
		PM _{2.5}	0.11	0.03
CALGAS	Analyzer Gas Emissions	VOC	1.01	0.24
SLD WASTE	Solid Waste	PM	1.61	0.01
		PM ₁₀	0.59	0.01
		PM _{2.5}	0.30	0.01
OILTRANS	Lube Oil Emissions	VOC	0.07	0.01
WASTHANDL	Waste Handling	VOC	0.01	0.01
EQ-1V	Boiler No. 1	NO _x	7.50	32.85
		CO	8.10	35.48
		SO ₂	0.07	0.32
		PM	0.93	4.08
		PM ₁₀	0.93	4.08
		PM _{2.5}	0.93	4.08
		VOC	0.67	2.95
EQ-2V	Boiler No. 2	NO _x	7.50	32.85

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		CO	8.10	35.48
		SO ₂	0.07	0.32
		PM	0.93	4.08
		PM ₁₀	0.93	4.08
		PM _{2.5}	0.93	4.08
		VOC	0.67	2.95
EQ-3V	Boiler No. 3	NO _x	12.60	55.19
		CO	13.60	59.57
		SO ₂	0.12	0.54
		PM	1.56	6.85
		PM ₁₀	1.56	6.85
		PM _{2.5}	1.56	6.85
		VOC	1.13	4.96
BOS-31V	Boiler No. 4	NO _x	12.60	55.19
		CO	13.60	59.57
		SO ₂	0.12	0.54
		PM	1.56	6.85
		PM ₁₀	1.56	6.85
		PM _{2.5}	1.56	6.85
		VOC	1.13	4.96
FLARE-1	Flare (Normal Operations)	VOC	58.80	74.13
		NO _x	5.55	7.65
		CO	28.19	38.55
		HCl	1.41	2.67
		SO ₂	0.01	0.02

- (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.

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- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NH₃ - ammonia
- 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
- HCl - Hydrogen Chloride
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: August 22, 2014