

Emission Sources - Maximum Allowable Emission Rates

Permit Number 79861

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)
POND	Brine Storage Pond	VOC	2.83	12.40
		Propylene	0.17	0.73
		Ethylene	1.02	4.48
FUG	Facility Fugitive Emissions (5)	VOC	1.82	7.98
		Propylene	0.13	0.59
		Ethylene	0.05	0.20
FLARE	Facility (Process) Flare	NOx	0.01	0.03
		CO	0.01	0.05
		VOC	0.04	0.18
OPD	Overfill Protection Device (Pilot)	NOx	0.003	0.01
		CO	0.01	0.03
		VOC	0.02	0.08
FP-1	Firewater Pump Engine (6)	NOx	11.10	0.29
		CO	2.39	0.06
		SO2	0.73	0.02
		PM	0.78	0.02
		PM ₁₀	0.78	0.02
		PM _{2.5}	0.78	0.02
		VOC	0.91	0.02
		Propylene	0.01	<0.01
BAIRCOMP	Backup Air Compressor (6)	NOx	2.06	0.05
		CO	0.45	0.01
		SO2	0.14	<0.01
		PM	0.15	<0.01
		PM ₁₀	0.15	<0.01
		PM _{2.5}	0.15	<0.01
		VOC	0.17	<0.01
		Propylene	<0.01	<0.01

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SGEN	Standby Generator (6)	NOx	0.84	0.02
		CO	1.41	0.04
		SO ₂	<0.01	<0.01
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		VOC	0.01	<0.01
FLARE-MSS	Facility Process Flare MSS Emissions	NOx	19.66	1.76
		CO	39.24	3.50
		VOC	137.50	12.28
		Propylene (7)	137.50	0.72
		Ethylene (7)	20.63	0.25
STOR-MSS	Storage Atmospheric MSS Emissions	VOC	14.10	6.11
		Propylene	14.10	0.36
		Ethylene	2.12	0.12

- (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
- (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) Operating time is limited to 52 hours per year.
- (7) Propylene and Ethylene are included in the total VOC emissions limit.

Date: May 31, 2018