

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19942

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 (6)	
			lbs/hour	TPY (4)
1	Boiler No. 1 Stack (41.8 MMBtu/hr)	PM	0.99	--
		PM ₁₀	0.69	--
		PM _{2.5}	0.46	--
		VOC	0.23	--
		NO _x	6.65	--
		CO	3.52	--
		SO ₂	2.12	--
2	Boiler No. 2 Stack (41.8 MMBtu/hr)	PM	0.99	--
		PM ₁₀	0.69	--
		PM _{2.5}	0.46	--
		VOC	0.23	--
		NO _x	6.65	--
		CO	3.52	--
		SO ₂	2.12	--
6	Boiler No. 3 Stack (33.5 MMBtu/hr)	PM	0.79	--
		PM ₁₀	0.55	--
		PM _{2.5}	0.37	--
		VOC	0.18	--
		NO _x	5.32	--
		CO	2.81	--
		SO ₂	1.70	--
	Total Boiler Stacks (Boilers Nos. 1-3)	PM	--	8.16
		PM ₁₀	--	6.17
		PM _{2.5}	--	4.39

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		VOC	--	2.41
		NO _x	--	69.80
		CO	--	36.83
		SO ₂	--	16.50
3	Room Air Scrubber No. 1 Stack (Venturi Scrubber and Packed Tower Scrubber)	PM	2.32	5.65
		PM ₁₀	2.32	5.65
		PM _{2.5}	0.88	2.14
		VOC	9.44	22.97
		H ₂ S	1.96	4.76
4	Room Air Scrubber No. 2 Stack	Odor	--	--
9	Feather Plant Crossflow Room Air Scrubber Stack	PM	0.33	1.46
		PM ₁₀	0.33	1.46
		PM _{2.5}	0.13	0.55
		VOC	1.20	5.27
		H ₂ S	0.28	1.23
10	Processing Plant Crossflow Room Air Scrubber Stack	Odor	--	--
LD1	Loadout Operations (5)	PM	0.33	0.25
		PM ₁₀	0.08	0.06
		PM _{2.5}	0.01	0.01
SBH-1	Feeding Storage Silo Baghouse Stack No. 1	PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
SBH-2	Feeding Storage Silo Baghouse Stack No. 2	PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
FLARE	Lagoon Flare	NO _x	0.46	0.52
		CO	3.96	4.45
		SO ₂	7.94	8.94

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		H ₂ S	0.09	0.10
		NH ₃	1.06	0.27
CTWR1	Cooling Tower No. 1 and Cooling Tower No. 2 (5)	PM	0.30	1.31
		PM ₁₀	0.17	0.73
		PM _{2.5}	<0.01	<0.01
CTWR-3	Cooling Tower No. 3 (5)	PM	0.15	0.66
		PM ₁₀	0.08	0.37
		PM _{2.5}	<0.01	<0.01
CTWR-4	Cooling Tower No. 4 (5)	PM	0.15	0.66
		PM ₁₀	0.08	0.37
		PM _{2.5}	<0.01	<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 - 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
 - NH₃ - ammonia
- (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) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: February 3, 2017