

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19804

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)
BB-500	Wastewater Tank	VOC	2.56	0.79
BB-504	Wastewater Tank	VOC		
BB-510	Wastewater Tank	VOC		
BB-511	Wastewater Tank	VOC		
BB-512	Wastewater Tank	VOC		
BB-518	Wastewater Tank	VOC		
BB-519	Wastewater Tank	VOC		
BB-520	Wastewater Tank	VOC		
BBWO-1	Waste Tank	VOC	0.38	0.01
WO-4	Waste Tank	VOC		
CC-515	Waste Tank	VOC	0.38	0.01
CC-517	Waste Tank	VOC	0.38	0.01
TC-1	Waste Tank	VOC	0.38	0.01
WW-5	Waste Tank	VOC	0.38	0.01
WW-3	Oil/Water Separator	VOC	0.38	0.01
WW-4	Oil/Water Separator	VOC	0.38	0.01
WO-13	Tank	VOC	2.46	0.20
UMWM-FUG	Fugitives (5)	VOC	0.05	0.21
MSS-WOTNKS	Planned Maintenance	VOC	3.68	0.01
Boiler No. 4	Plant Boiler No. 4 (85 MMBtu/hr)	CO	2.55	11.15

Emission Sources - Maximum Allowable Emission Rates

		NO _x	10.10	44.23
		PM	0.61	2.68
		PM ₁₀	0.61	2.68
		PM _{2.5}	0.61	2.68
		VOC	0.44	1.94
		SO ₂	0.05	0.22
Boiler No. 5	Plant Boiler No. 5 (150 MMBtu/hr) (Includes Planned Startup and Shutdown Emissions) (6)	CO	12.04	52.73
		NO _x	3.25	14.24
		PM	1.12	4.91
		PM ₁₀	1.12	4.91
		PM _{2.5}	1.12	4.91
		VOC	0.88	3.84
		SO ₂	0.09	0.39
Boiler No. 6	Plant Boiler No. 6 (99.9 MMBtu/hr) (Includes Planned Startup and Shutdown Emissions) (6)	CO	1.20	5.25
		NO _x	10.89	47.69
		PM	0.74	3.26
		PM ₁₀	0.74	3.26
		PM _{2.5}	0.74	3.26
		VOC	0.54	2.36
		SO ₂	0.06	0.26
MSS-BOILRS	Planned Maintenance Emissions (7)	VOC	0.02	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

Emission Sources - Maximum Allowable Emission Rates

- | | |
|-------------------|--|
| PM | - total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented |
| PM ₁₀ | - 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) Planned maintenance, startup, and shutdown emissions, as defined in the special conditions, are included in the routine and long-term emissions.
- (7) The emission point is the fuel regulator piping on the boilers.

Date: April 5, 2013