

Emission Sources - Maximum Allowable Emission Rates

Permit Number 72999

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)
CWT-1	Contact Water Tank (6)	VOC	87.33	2.45
CWT-2	Contact Water Tank (6)	VOC	87.33	2.45
CWT-3	Contact Water Tank (6)	VOC	87.33	2.45
DRA-1	DRA Skid and Tank	VOC	0.38	0.04
DRA-2	DRA Skid and Tank	VOC	0.38	0.04
FWP	Fire Water Pump Engine (500 hours per rolling 12 months)	VOC	0.09	0.03
		CO	0.23	0.06
		NO _x	4.44	1.11
		SO ₂	0.11	0.29
		PM	0.06	0.01
		PM ₁₀	0.06	0.01
		PM _{2.5}	0.06	0.01
EB-1	Tank No. EB-1 (7)	VOC	1.37	3.16
EB-2	Tank No. EB-2 (7)	VOC	1.37	3.23
EB-3	Tank No. EB-3 (7)	VOC	1.37	3.16
EB-4	Tank No. EB-4 (7)	VOC	1.42	3.94
EB-5	Tank No. EB-5 (7)	VOC	1.42	3.94
EB-6	Tank No. EB-6 (7)	VOC	1.37	3.16
EB-7	Tank No. EB-7 (7)	VOC	1.37	3.16

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EB-8	Tank No. EB-8 (7)	VOC	1.37	3.16
EB-9	Tank No. EB-9 (7)	VOC	1.19	2.46
PS	Prover Sump (12 times per year)	VOC	12.60	0.08
TO	Vapor Combustor (Pilot Fuel Only)	VOC	0.01	0.01
		CO	0.03	0.12
		NO _x	0.02	0.06
		SO ₂	0.01	0.01
	Tank Roof Landings Only (7)	VOC	44.97	6.34
		CO	44.97	6.34
		NO _x	17.99	2.54
		SO ₂	0.40	0.30
		PM	0.23	0.03
		PM ₁₀	0.23	0.03
		PM _{2.5}	0.23	0.03
FUGITIVE	Process Fugitives (5)	VOC	0.06	0.25
HS	Hydrocarbon Sump	VOC	34.50	1.41
CS	Contact Water Sump	VOC	69.00	0.17
MSS-EB 1-9	MSS Emissions, Tanks EB-1 thru EB-9	VOC	74.43	0.50
		CO	171.36	1.71
		NO _x	42.84	0.43
		SO ₂	0.13	0.01
		PM	1.60	0.02
		PM ₁₀	1.60	0.02
		PM _{2.5}	1.60	0.02

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- (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) Only one storage tank can be filled at any one a time.
- (7) Maintenance, startup, and shutdown emissions are authorized from these sources and included in the listed allowable emission rates. Short term emission based on hourly average for month with highest estimated emissions.

Date: June 19, 2014