

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 106139 and PSDTX1316

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 (4)	
			lbs/hour	TPY (5)
E-C1	Refrigeration-Caterpillar G3516B	NO _x	1.30	5.71
		CO	0.66	2.88
		VOC	0.86	3.78
		PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		SO ₂	<0.01	0.02
E-C2	Refrigeration-Caterpillar G3516B	NO _x	1.30	5.71
		CO	0.66	2.88
		VOC	0.86	3.78
		PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		SO ₂	<0.01	0.02
E-C3	Refrigeration-Caterpillar G3516B	NO _x	1.30	5.71
		CO	0.66	2.88
		VOC	0.86	3.78
		PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38

Emission Sources - Maximum Allowable Emission Rates

		SO ₂	<0.01	0.02
E-C4	Refrigeration-Caterpillar G3516B	NO _x	1.30	5.71
		CO	0.66	2.88
		VOC	0.86	3.78
		PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		SO ₂	<0.01	0.02
E-C5	Recompression-Caterpillar G3516B	NO _x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
		SO ₂	0.01	0.02
E-C6	Recompression-Caterpillar G3516B	NO _x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
		SO ₂	0.01	0.02
E-C7	Recompression-Caterpillar G3516B	NO _x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41

Emission Sources - Maximum Allowable Emission Rates

		PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
		SO ₂	0.01	0.02
E-C8	Recompression-Caterpillar G3516B	NO _x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
		SO ₂	0.01	0.02
E-C9	Recompression-Caterpillar G3516B	NO _x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
		SO ₂	0.01	0.02
E-C10	Recompression-Caterpillar G3516B	NO _x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
		SO ₂	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

E-C11	Recompression-Caterpillar G3516B	NO _x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
		SO ₂	0.01	0.02
E-C12	Recompression-Caterpillar G3516B	NO _x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
		SO ₂	0.01	0.02
REGEN HTR	Regen Gas Heater	NO _x	0.10	0.42
		CO	0.49	2.15
		VOC	0.03	0.14
		PM	0.04	0.19
		PM ₁₀	0.04	0.19
		PM _{2.5}	0.04	0.19
		SO ₂	<0.01	0.01
HMO HTR	Heating Medium Oil Heater	NO _x	0.32	1.40
		CO	1.53	6.68
		VOC	0.10	0.44
		PM	0.14	0.60

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀	0.14	0.60
		PM _{2.5}	0.14	0.60
		SO ₂	0.01	0.04
STAB HTR	Stabilizer Heater	NO _x	0.52	1.14
		CO	0.44	0.96
		VOC	0.03	0.06
		PM	0.04	0.09
		PM ₁₀	0.04	0.09
		PM _{2.5}	0.04	0.09
		SO ₂	<0.01	0.01
TK-1	Heating Medium Oil	VOC	0.06	<0.01
TK-2	Lube Oil	VOC	0.06	<0.01
TK-3	Lube Oil	VOC	0.06	<0.01
TK-4	Lube Oil	VOC	0.06	<0.01
TK-5	Produced Water	VOC	0.57	0.01
TK-6	Produced Water	VOC	0.57	0.01
TK-7	Produced Water	VOC	0.57	0.01
TK-8	Antifreeze	VOC	0.01	<0.01
TK-9	Antifreeze	VOC	0.01	<0.01
TK-10	Antifreeze	VOC	0.01	<0.01
LOAD	Truck Loading	VOC	0.01	0.10
FLARE	Process Flare	NO _x	0.03	0.11
		CO	0.13	0.57
		VOC	0.05	0.24
		SO ₂	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

FLARE-MSS	Process Flare	NO _x	176.39	0.23
		CO	908.65	1.19
		VOC	360.25	0.18
		SO ₂	0.04	<0.01
FUG	Plant Fugitives (6)	VOC	2.57	11.24

- (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) These emission rates include maintenance, startup, and shutdown.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: June 14, 2013