

Emission Sources - Maximum Allowable Emission Rates

Permit Number 81086

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)
370-TK-5110	Tank 370-TK-5110 (7)	VOC	2.29	-
		Benzene (9)	0.03	-
370-TK-5120	Tank 370-TK-5120 (7)	VOC	2.80	-
		Benzene (9)	0.03	-
370-TK-5130	Tank 370-TK-5130 (7)	VOC	1.99	-
		Benzene (9)	0.02	-
370-TK-5140	Tank 370-TK-5140 (7)	VOC	3.33	-
		Benzene (9)	0.04	-
370-TK-5150	Tank 370-TK-5150(7)	VOC	1.91	-
		Benzene (9)	0.02	-
370-TK-5160	Tank 370-TK-5160 (7)	VOC	1.99	-
		Benzene (9)	0.02	-
370-TK-5170	Tank 370-TK-5170 (7)	VOC	2.15	-
		Benzene (9)	0.02	-
370-TK-5180	Tank 370-TK-5180 (7)	VOC	3.33	-
		Benzene (9)	0.04	-
370-TK-5190	Tank 370-TK-5190 (7)	VOC	2.30	-
		Benzene (9)	0.03	-
370-TK-5200	Tank 370-TK-5200 (7)	VOC	1.99	-
		Benzene (9)	0.02	-

Emission Sources - Maximum Allowable Emission Rates

370-TK-5210	Tank 370-TK-5210 (7)	VOC	2.15	-
		Benzene (9)	0.02	-
370-TK-5220	Tank 370-TK-5220 (8)	VOC	37.05	-
		Benzene (9)	0.07	-
370-TK-5230	Tank 370-TK-5230 (8)	VOC	37.05	-
		Benzene (9)	0.07	-
370-TK-5240	Tank 370-TK-5240 (8)	VOC	37.05	-
		Benzene (9)	0.07	-
370-TK-5250	Tank 370-TK-5250 (8)	VOC	37.05	-
		Benzene (9)	0.07	-
370-TK-5260	Tank 370-TK-5260 (8)	VOC	48.75	-
		Benzene (9)	0.12	-
370-TK-5270	Tank 370-TK-5270 (8)	VOC	48.75	-
		Benzene (9)	0.12	-
370-TK-5280	Tank 370-TK-5280 (8)	VOC	48.75	-
		Benzene (9)	0.12	-
370-TK-5290	Tank 370-TK-5290 (8)	VOC	48.75	-
		Benzene (9)	0.12	-
370-TK-5300	Tank 370-TK-5300 (8)	VOC	48.75	-
		Benzene (9)	0.12	-
370-TK-5310	Tank 370-TK-5310 (7)	VOC	8.73	-
		Benzene (9)	0.10	-
370-TK-5320	Tank 370-TK-5320 (8)	VOC	48.75	-
		Benzene (9)	0.12	-

Emission Sources - Maximum Allowable Emission Rates

370-TK-5410	Tank 370-TK-5410 (7)	VOC	2.79	-
		Benzene (9)	0.03	-
370-TK-5420	Tank 370-TK-5420 (8)	VOC	1.94	-
		Benzene (9)	0.01	-
370-TK-5430	Tank 370-TK-5430 (8)	VOC	2.03	-
		Benzene (9)	0.01	-
370-GTC-1	Gasoline Tank Cap	VOC	-	17.52
		Benzene (9)	-	0.20
370-DTC-1	Distillate (Diesel/Jet Fuel) Tank Cap	VOC	-	63.37
		Benzene (9)	-	0.14
GAS_FUG	Gasoline Tank Fugitives (5)	VOC	0.16	0.72
		Benzene (9)	0.01	0.01
DIST_FUG	Distillate/Kerosene Tank Fugitives (5)	VOC	0.04	0.19
		Benzene (9)	0.01	0.01
EFPE1	Emergency Fire Pump Engine 1 (6)	VOC	4.40	0.07
		NOx	4.40	0.07
		CO	3.81	0.06
		PM ₁₀ /PM _{2.5}	0.22	0.01
		SO ₂	0.01	0.01
EFPE2	Emergency Fire Pump Engine 2 (6)	VOC	4.40	0.07
		NOx	4.40	0.07
		CO	3.81	0.06
		PM ₁₀ /PM _{2.5}	0.22	0.01

Emission Sources - Maximum Allowable Emission Rates

		SO ₂	0.01	0.01
VCU	Vapor Combustion Unit	VOC	21.97	3.06
		Benzene (9)	0.17	0.01
		NO _x	6.38	0.98
		CO	12.73	1.96
		PM ₁₀ /PM _{2.5}	0.19	0.06
		SO ₂	0.68	0.82

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

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

Emission Sources - Maximum Allowable Emission Rates

- (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) Operational testing is limited to 30 hours per year for each fire pump engine.
- (7) Annual Emissions are included in the emissions cap for EPN 370-GTC-1.
- (8) Annual Emissions are included in the emissions cap for EPN 370-DTC-1.
- (9) Benzene emissions are included in authorized VOC emissions.

Date: October 23, 2012