

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 36755

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. 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*	
			lb/hr	
	<u>TPY**</u>			
EG 1	Diesel Engine (6) (7)	CO	1.44	0.36
		NO _x	6.67	1.67
		PM ₁₀	0.47	0.12
		SO ₂	0.44	0.11
		VOC	0.47	0.12
EP 1	Engine 1 Superior 16-SGTB	CO	9.34	40.94
		NO _x	8.76	38.38
		PM ₁₀	0.19	0.82
		SO ₂	0.01	0.05
		VOC	1.17	5.12
EP 2	Engine 2 Superior 16-SGTB	CO	9.34	40.94
		NO _x	8.76	38.38
		PM ₁₀	0.19	0.82
		SO ₂	0.01	0.05
		VOC	1.17	5.12
EP 3	Engine 3 Superior 16-SGTB	CO	9.34	40.94
		NO _x	8.76	38.38
		PM ₁₀	0.19	0.82
		SO ₂	0.01	0.05
		VOC	1.17	5.12
EP 4	Engine 4 Superior 16-SGTB	CO	9.34	40.94
		NO _x	8.76	38.38
		PM ₁₀	0.19	0.82
		SO ₂	0.01	0.05
		VOC	1.17	5.12

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			lb/hr	TPY**
EP 5	Engine 5 Superior 6-GTLA	CO	6.37	27.88
		NO _x	3.64	15.93
		PM ₁₀	0.06	0.26
		SO ₂	0.01	0.02
		VOC	1.36	5.97
EP 6	Heater First Thermal Systems	CO	0.49	2.15
		NO _x	0.59	2.56
		PM ₁₀	0.05	0.20
		SO ₂	0.01	0.02
		VOC	0.03	0.14
EP 7	Flare	CO	1.24	4.86
		NO _x	0.62	2.44
		SO ₂	0.0	0.0
		VOC	0.54	2.00
EP 7	Flare (5)	CO	0.0	0.0
		NO _x	0.0	0.0
		SO ₂	0.0	0.0
		VOC	0.0	0.0
EP 8	Solvent Degreasing Unit (6)	VOC	0.0	0.0
LOADING	Tank Truck Loading Losses (6)	VOC	0.0	0.0
TK 1	Storage Tank	VOC	1.96	8.21
TK 2	Storage Tank	VOC	1.96	8.21
TK 3	Storage Tank (6)	VOC	1.97	8.21
TK 4	Storage Tank (6)	VOC	1.97	8.21
TK 5	Diesel Storage Tank (6)	VOC	0.01	0.01

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			lb/hr	TPY**
TK 6	Kerosene Storage Tank (6)	VOC	0.01	0.01
TK 7	Storage Tank (6)	VOC	0.01	0.01
LIQFUG	Process Fugitives (4) (6) (8)	VOC	0.07	0.30
MLSIEVFUG	Process Fugitives (4) (6)	VOC	0.25	1.09
FUG	Process Fugitives (4)	VOC	1.42	6.21
	Process Fugitives (4) (6)	VOC	0.0	0.0

- (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) CO - carbon monoxide
 NO_x - total oxides of nitrogen
 PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
 SO₂ - sulfur dioxide
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Flare emissions based on planned start-up, shutdown, and maintenance activities and emissions.
- (6) Referenced permit by rule EPN and it is not authorized in this permit.
- (7) 500 hours of operation per rolling 12 months.
- (8) Process fugitive equipment is monitored under the 28M program.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year

** Compliance with annual emission limits is based on a rolling 12-month period.

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			<u>lb/hr</u>	<u>TPY**</u>