

## 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, 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 Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
EG 1	Emergency Diesel Engine (6) (7)	CO	1.44	0.36
		NO <sub>x</sub>	6.67	1.67
		PM	0.47	0.12
		PM <sub>10</sub>	0.47	0.12
		PM <sub>2.5</sub>	0.47	0.12
		SO <sub>2</sub>	0.44	0.11
		VOC	0.47	0.12
EP 1	Superior 16SGTB Engine	CO	9.35	40.94
		NO <sub>x</sub>	8.76	38.38
		PM	0.19	0.82
		PM <sub>10</sub>	0.19	0.82
		PM <sub>2.5</sub>	0.19	0.82
		SO <sub>2</sub>	0.01	0.05
		VOC	1.17	5.12
EP 2	Superior 16SGTB Engine	CO	9.35	40.94
		NO <sub>x</sub>	8.76	38.38
		PM	0.19	0.82
		PM <sub>10</sub>	0.19	0.82
		PM <sub>2.5</sub>	0.19	0.82
		SO <sub>2</sub>	0.01	0.05
		VOC	1.17	5.12
EP 3.1	Superior 16SGTB Engine	CO	9.35	40.94
		NO <sub>x</sub>	2.92	12.79
		PM	0.19	0.82
		PM <sub>10</sub>	0.19	0.82

## Emission Sources - Maximum Allowable Emission Rates

		PM <sub>2.5</sub>	0.19	0.82
		SO <sub>2</sub>	0.01	0.05
		VOC	1.17	5.12
EP 4.1	Superior 16SGTB Engine	CO	9.35	40.94
		NO <sub>x</sub>	8.76	38.38
		PM	0.19	0.82
		PM <sub>10</sub>	0.19	0.82
		PM <sub>2.5</sub>	0.19	0.82
		SO <sub>2</sub>	0.01	0.05
		VOC	1.17	5.12
EP 5	Superior 6GTLA Engine	CO	6.37	27.88
		NO <sub>x</sub>	3.64	15.93
		PM	0.06	0.26
		PM <sub>10</sub>	0.06	0.26
		PM <sub>2.5</sub>	0.06	0.26
		SO <sub>2</sub>	< 0.01	0.02
		VOC	1.36	5.97
EP 7	Flare	CO	1.94	8.50
		NO <sub>x</sub>	0.78	3.39
		SO <sub>2</sub>	0.01	0.01
		VOC	0.72	3.14
EP 7MSS	Flare MSS	CO	205.32	5.04
		NO <sub>x</sub>	82.26	2.19
		SO <sub>2</sub>	0.04	0.01
		VOC	245.42	4.33
EP 8	Solvent Degreasing Unit (6) (9)	VOC	0.31	0.32
FLASH	Flash to Tanks	VOC	6.28	22.62
FUG	Process Fugitives (5)	VOC	2.21	9.66

## Emission Sources - Maximum Allowable Emission Rates

FUG [PBR]	Process Fugitives [PBR] (5) (6)	VOC	0.44	1.90
H-750	Heater First Thermal Systems	CO	0.49	2.15
		NO <sub>x</sub>	0.59	2.56
		PM	0.05	0.20
		PM <sub>10</sub>	0.05	0.20
		PM <sub>2.5</sub>	0.05	0.20
		SO <sub>2</sub>	0.01	0.02
		VOC	0.03	0.14
LD-COND	Condensate Loading Losses (6)	VOC	18.66	4.39
LIQFUG	Process Fugitives (5) (6) (8)	VOC	0.07	0.30
MLSIEVFUG	Process Fugitives (5) (6)	VOC	0.25	1.09
TK-910	Lube Oil Tank (6)	VOC	0.01	0.01
TK-945A	Breathing Loss	VOC	0.26	1.16
TK-945B	Breathing Loss	VOC	0.26	1.16
TK-945C	Breathing Loss (6)	VOC	0.26	1.16
TK-945D	Breathing Loss (6)	VOC	0.26	1.16
TK-945WL	Working Loss	VOC	13.60	2.56

- (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<sub>x</sub> - total oxides of nitrogen
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - SO<sub>2</sub> - sulfur dioxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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) This emissions point is authorized under a referenced permit by rule and not under this permit.
- (7) This emissions point is authorized to operate no more than 500 hours on a 12-month rolling period.
- (8) The process fugitive equipment in this emissions point is monitored under the 28M I&M program.
- (9) This emissions point is authorized to operate no more than 2,080 hours on a 12-month rolling period.

Emission Sources - Maximum Allowable Emission Rates

Date: August 16, 2017