

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates **	
			lb/hr	TPY*

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Permit Number 19718

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	Source	Air Contaminant	Emission Rates **	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY*
62-16-38	Compressor Engine (5)	CO	3.97	
		NO _x	2.65	
		PM ₁₀	0.15	
		SO ₂	0.01	
		VOC	0.29	
62-16-38A	Compressor Engine (5)	CO	3.97	
		NO _x	2.65	
		PM ₁₀	0.14	
		SO ₂	0.01	
		VOC	0.29	
62-16-38B	Compressor Engine (5)	CO	3.97	
		NO _x	2.65	
		PM ₁₀	0.18	
		SO ₂	0.01	
		VOC	0.29	
Total Annual Emissions		CO		16.84

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			lb/hr	TPY*
	for EPNs 62-16-38, 62-16-38A, and 62-16-38B	NO _x		11.23
		PM ₁₀		0.76
		SO ₂		0.02
		VOC		0.97
62-16-39	Compressor Engine	CO	7.28	12.72
		NO _x	4.85	8.48
		PM ₁₀	0.16	0.28
		SO ₂	0.01	0.02
		VOC	1.82	3.22
62-32-11	Diesel Engine (5)	VOC	1.36	0.07
		NO _x	16.74	0.84
		CO	3.61	0.18
		SO ₂	1.11	0.06
		PM ₁₀	1.19	0.06
62-32-56	Fire Pump Engine (5)	VOC	1.01	0.05
		NO _x	12.40	0.62
		CO	2.67	0.13
		SO ₂	0.82	0.04
		PM ₁₀	0.88	0.04
62-32-56A	Fire Pump Engine (5)	VOC	1.01	0.05
		NO _x	12.40	0.62
		CO	2.67	0.13
		SO ₂	0.82	0.04
		PM ₁₀	0.88	0.04
62-36-2	Heater F-2 (1,683 hours per year)	CO	0.26	0.22
		NO _x	0.25	0.21
		PM ₁₀	0.02	0.02
		SO ₂	0.01	0.01
		VOC	0.02	0.01
62-36-3	Heater F-3	CO	0.42	0.23

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			lb/hr	TPY*
	(1,092 hours per year)	NO _x	0.40	0.22
		PM ₁₀	0.04	0.02
		SO ₂	0.01	0.01
		VOC	0.03	0.01
62-36-4	Heater F-4 (5,388 hours per year)	CO	0.96	2.58
		NO _x	0.92	2.47
		PM ₁₀	0.09	0.23
		SO ₂	0.01	0.02
		VOC	0.06	0.17
62-36-5	Heater F-5 (1,683 hours per year)	CO	0.26	0.22
		NO _x	0.25	0.21
		PM ₁₀	0.02	0.02
		SO ₂	0.01	0.01
		VOC	0.02	0.01
62-36-8	Heater F-8 (1,500 hours per year)	CO	3.09	2.32
		NO _x	3.70	2.77
		PM ₁₀	0.28	0.21
		SO ₂	0.02	0.02
		VOC	0.20	0.15
62-61-3	Sour Brine Degassing Flare	VOC	7.10	4.23
		NO _x	2.95	2.97
		CO	9.34	15.79
		H ₂ S	0.01	0.01
		SO ₂	0.01	0.01
62-61-4	Sweet Brine Degassing Flare	VOC	1.54	3.11
		NO _x	0.84	2.21
		CO	3.33	13.63
62-61-5	Main Process Flare	CO	66.54	6.89
		NO _x	32.87	3.23
		VOC	205.63	12.31

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			lb/hr	TPY*
62-61-CT11	Brine Degassing Pit Flare	NO _x	0.38	0.42
		CO	2.86	3.14
		VOC	0.18	0.19
62-0-0	Process Fugitives (4)	VOC	3.98	17.42
62-95-118	Ethylene Glycol Tank (6)	EG	0.01	0.01
62-95-119	North Lube Oil Tank (6)	Lube Oil	0.04	0.01
62-95-121	Methanol Storage Tank (6)	Methanol	8.27	0.09
62-95-138	South Lube Oil Tank (6)	Lube Oil	0.01	0.01
62-95-140	Ethylene Glycol Tank (6)	EG	0.01	0.01
62-95-CDSL	Contractor Diesel Tank (6)	Diesel	0.02	0.01
62-95-FHE	Firehouse Diesel Tank East (6)	Diesel	0.02	0.01
62-95-FHW	Firehouse Diesel Tanks West (6)	Diesel	0.02	0.01
62-95-GEN	Generator Tank (6)	Diesel	0.03	0.01
62-95-CGAS	Contractor Gasoline Tank (6)	Gasoline	6.88	
62-95-PGAS	Process Area Gasoline Tank (6)	Gasoline	6.88	
	Combined Gasoline Tanks (6)	Gasoline		0.34
62-95-CT07	Sour Brine Pond	VOC	0.13	0.10
62-95-CT08	Sour Brine Pond	VOC	0.13	0.10
62-95-CT09	Sweet Brine Pond (6)	VOC	8.38	20.09

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62-95-CT10	Sweet Brine Pond (6)	VOC	8.38	20.09
62-95-CT12	Storage Pond	VOC		
62-95-201	Brine Degassing Pit	VOC		
	Combined Storage Pond and Brine Degassing Pit (6)	VOC	3.43	4.89
62-95-207	Sour Brine Pond Vent	VOC	0.06	0.05
62-95-208	Sour Brine Pond Vent	VOC	0.06	0.05
62-95-209	Sweet Brine Pond Vent (6)	VOC	1.75	4.18
62-95-210	Sweet Brine Pond Vent	VOC	1.75	4.18
PAINT	Painting	VOC	8.00	4.71
		PM	16.64	12.21
SDBLAST	Abrasive blasting	PM	2.86	1.29

- (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
PM - particulate matter, suspended in the atmosphere, including PM₁₀
PM₁₀ - particulate matter 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
H₂S - hydrogen sulfide
EG - ethylene glycol
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) EPNs 62-16-38, 62-16-38A and 62-16-38B combined are limited to 8,496 operating hours per year. EPN 62-32-11 is limited to 100 operating hours per year. EPN 62-32-56 is limited to 100

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operating hours per year. EPN 62-36-56A is limited to 100 operating hours per year.

(6) These facilities are authorized by Standard Exemption/Permit by Rule and are included for reference.

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

Hrs/day____ Days/week____Weeks/year____ or Hrs/year 8,760

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

Dated October 11, 2006