

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 8366 and PSDTX334M2

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)
AGFLR-2	Acid Gas Flare	NO <sub>x</sub>	0.43	1.87
		CO	3.67	16.06
		VOC	0.01	0.06
		SO <sub>2</sub>	0.58	2.54
COMSTK-1	650 hp Superior 8G825	NO <sub>x</sub>	2.87	12.55
		CO	4.30	18.83
		VOC	0.90	3.95
		SO <sub>2</sub>	0.01	0.01
		PM	0.14	0.63
		PM <sub>10</sub>	0.14	0.63
		PM <sub>2.5</sub>	0.14	0.63
COMSTK-2	650 hp Superior 8G825	NO <sub>x</sub>	2.87	12.55
		CO	4.30	18.83
		VOC	0.90	3.95
		SO <sub>2</sub>	0.01	0.01
		PM	0.14	0.63
		PM <sub>10</sub>	0.14	0.63
		PM <sub>2.5</sub>	0.14	0.63
COMSTK-3	650 hp Superior 8G825	NO <sub>x</sub>	2.87	12.55
		CO	4.30	18.83
		VOC	0.90	3.95
		SO <sub>2</sub>	0.01	0.01
		PM	0.10	0.43
		PM <sub>10</sub>	0.10	0.43
		PM <sub>2.5</sub>	0.10	0.43
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	

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			lbs/hour	TPY (4)
COMSTK-4A	650 hp Superior 8G825	NO <sub>x</sub>	2.87	12.55
		CO	4.30	18.83
		VOC	0.90	3.95
		SO <sub>2</sub>	0.01	0.01
		PM	0.10	0.43
		PM <sub>10</sub>	0.10	0.43
		PM <sub>2.5</sub>	0.10	0.43
COMSTK-5	650 hp Superior 8G825	NO <sub>x</sub>	2.87	12.55
		CO	4.30	18.83
		VOC	0.90	3.95
		SO <sub>2</sub>	0.01	0.01
		PM	0.10	0.43
		PM <sub>10</sub>	0.10	0.43
		PM <sub>2.5</sub>	0.10	0.43
COMSTK-6A	1075 hp Superior 8GLTE	NO <sub>x</sub>	4.74	20.76
		CO	3.55	15.57
		VOC	0.71	3.11
		SO <sub>2</sub>	0.01	0.02
		PM	0.15	0.66
		PM <sub>10</sub>	0.15	0.66
		PM <sub>2.5</sub>	0.15	0.66
COMSTK-7A	1075 hp Superior 8GLTE	NO <sub>x</sub>	4.74	20.76
		CO	3.55	15.57
		VOC	0.71	3.11
		SO <sub>2</sub>	0.01	0.02
		PM	0.15	0.66
		PM <sub>10</sub>	0.15	0.66
		PM <sub>2.5</sub>	0.15	0.66
COMSTK-8	1075 hp Superior 8GLTE	NO <sub>x</sub>	4.74	20.76
		CO	3.55	15.57

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		VOC	0.71	3.11
		SO <sub>2</sub>	0.01	0.02
		PM	0.15	0.66
		PM <sub>10</sub>	0.15	0.66
		PM <sub>2.5</sub>	0.15	0.66
COMSTK-9	1075 hp Superior 8GLTE	NO <sub>x</sub>	4.74	20.76
		CO	3.55	15.57
		VOC	0.71	3.11
		SO <sub>2</sub>	0.01	0.02
		PM	0.15	0.66
		PM <sub>10</sub>	0.15	0.66
		PM <sub>2.5</sub>	0.15	0.66
COMSTK-10	1075 hp Superior 8GLTE	NO <sub>x</sub>	4.74	20.76
		CO	3.55	15.57
		VOC	0.71	3.11
		SO <sub>2</sub>	0.01	0.02
		PM	0.15	0.66
		PM <sub>10</sub>	0.15	0.66
		PM <sub>2.5</sub>	0.15	0.66
COMSTK-11	1075 hp Superior 8GLTA	NO <sub>x</sub>	4.74	20.76
		CO	3.55	15.57
		VOC	0.71	3.11
		SO <sub>2</sub>	0.01	0.02
		PM	0.15	0.66
		PM <sub>10</sub>	0.15	0.66
		PM <sub>2.5</sub>	0.15	0.66
COMSTK-12	1350 hp Fairbanks Morse MEP6	NO <sub>x</sub>	20.24	88.64
		CO	2.98	13.04
		VOC	0.30	1.30
		SO <sub>2</sub>	0.01	0.03
		PM	0.48	2.11

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		PM <sub>10</sub>	0.48	2.11
		PM <sub>2.5</sub>	0.48	2.11
COMSTK-13	1350 hp Fairbanks Morse MEP6	NO <sub>x</sub>	20.24	88.64
		CO	6.85	29.98
		VOC	0.30	1.30
		SO <sub>2</sub>	0.01	0.03
		PM	0.48	2.11
		PM <sub>10</sub>	0.48	2.11
		PM <sub>2.5</sub>	0.48	2.11
COMSTK-14	1350 hp Fairbanks Morse MEP6	NO <sub>x</sub>	20.24	88.64
		CO	2.98	13.04
		VOC	0.30	1.30
		SO <sub>2</sub>	0.01	0.03
		PM	0.48	2.11
		PM <sub>10</sub>	0.48	2.11
		PM <sub>2.5</sub>	0.48	2.11
COMSTK-15	1350 hp Fairbanks Morse MEP6	NO <sub>x</sub>	20.24	88.64
		CO	6.85	29.98
		VOC	0.30	1.30
		SO <sub>2</sub>	0.01	0.03
		PM	0.48	2.11
		PM <sub>10</sub>	0.48	2.11
		PM <sub>2.5</sub>	0.48	2.11
COMSTK-16	1350 hp Fairbanks Morse MEP6	NO <sub>x</sub>	20.24	88.64
		CO	2.98	13.04
		VOC	0.30	1.30
		SO <sub>2</sub>	0.01	0.03
		PM	0.48	2.11
		PM <sub>10</sub>	0.48	2.11
		PM <sub>2.5</sub>	0.48	2.11
GRB-1	Glycol Reboiler (with condenser)	VOC	0.18	0.79

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HOH-1	Hot Oil Heater	NO <sub>x</sub>	0.65	2.80
		CO	0.55	2.42
		VOC	0.04	0.16
		SO <sub>2</sub>	0.01	0.06
		PM	0.05	0.22
		PM <sub>10</sub>	0.05	0.22
		PM <sub>2.5</sub>	0.05	0.22
HOH-3	Hot Oil Heater	NO <sub>x</sub>	3.68	16.13
		CO	6.19	27.10
		VOC	0.41	1.77
		SO <sub>2</sub>	0.04	0.19
		PM	0.56	2.45
		PM <sub>10</sub>	0.56	2.45
		PM <sub>2.5</sub>	0.56	2.45
L-1E	Truck Loading Losses	VOC	0.27	0.02
TRB-1C	4000 hp Solar Centaur 40 T-4002	NO <sub>x</sub>	16.76	73.39
		CO	4.41	19.31
		VOC	0.88	3.86
		SO <sub>2</sub>	0.02	0.08
		PM	0.25	1.09
		PM <sub>10</sub>	0.25	1.09
		PM <sub>2.5</sub>	0.25	1.09
TRB-2B	4000 hp Solar Centaur 40 T-4002	NO <sub>x</sub>	16.76	73.39
		CO	4.41	19.31
		VOC	0.88	3.86
		SO <sub>2</sub>	0.02	0.08
		PM	0.25	1.09
		PM <sub>10</sub>	0.25	1.09
		PM <sub>2.5</sub>	0.25	1.09
Tank 3	400 bbl Condensate Tank	VOC	18.29	14.57

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Tank 4	210 bbl Ethylene Glycol Tank	VOC	0.01	0.01
Tank 6	210 bbl Amine Storage Tank	VOC	0.01	0.01
Tank 8	400 bbl Wastewater Tank	VOC	0.01	0.02
Tank 9	400 bbl Slop Oil Tank	VOC	0.01	0.01
Tank 20	29 bbl Lube Oil Turbine Tank	VOC	0.01	0.01
Tank 22	11 bbl Field Antifreeze Tank	VOC	0.01	0.01
Tank 24	400 bbl Lube Oil Residue Tank	VOC	0.01	0.01
Tank 25	300 bbl Lube Oil Propane Tank	VOC	0.01	0.01
Tank 26	300 bbl Antifreeze Tank	VOC	0.01	0.01
Tank 27	210 bbl Antifreeze Tank	VOC	0.01	0.01
Tank 28	210 bbl Lube Oil Tank	VOC	0.01	0.01
Tank 29	210 bbl Condensate Tank	VOC	0.47	2.05
Tank 30	210 bbl Wastewater Tank	VOC	0.01	0.01
V-1	Plant Vent Routine	VOC	2.03	1.60
V-1	Plant Vent MSS	VOC	97.31	2.58
V-2	Blow Down Vent/MSS	VOC	35.58	3.84
WT-1	Wastewater Treatment Oil/Water Separator	VOC	1.05	4.60
FUG-1 (5)	Plant Fugitives	VOC	9.90	43.34
FUG-2 (5)	Plant Fugitives	VOC	1.13	4.97
FUG-3 (5)	Plant Fugitives	VOC	0.01	0.02
FUGRES (5)	Residue Compression Fugitives	VOC	0.01	0.02
Tank 3A	300 bbl Condensate Tank	VOC	18.29	7.01
Tank 3B	300 bbl Condensate Tank	VOC	18.29	7.01
Tank 10	50 bbl Methanol Tank	VOC	2.59	0.01
Tank 10A	50 bbl Methanol Tank	VOC	2.59	0.01

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TK-GAS	Gasoline Tank	VOC	7.88	0.12
TK-DIESEL	Diesel Tank	VOC	0.07	<0.01
TK-31	Lube Oil Tank	VOC	0.01	<0.01
TK-32	Lube Oil Tank	VOC	0.01	<0.01
HVR-FUG (5)	HVR Vapor Recovery Unit Fugitives	VOC	0.04	0.18

- (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<sub>x</sub>
  - total oxides of nitrogen
- SO<sub>2</sub>
  - sulfur dioxide
- 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
- CO
  - carbon monoxide
- (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.

Date: August 27, 2019