

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 33486/PSD-TX-872

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	TPY**
INCVENT-1	SRU Incinerator Stack	VOC	0.16	0.69
		NO _x 4.50	19.69	
		CO 11.62	50.89	
		SO ₂ 26.29	115.15	
		COS 0.01	0.04	
		H ₂ S 0.09	0.41	
		CS ₂ 0.01	0.01	
		PM ₁₀ 0.77	3.37	
FLARE-1	Emergency Facility Flare (Pilot flame emissions only)	VOC	0.01	0.02
		NO _x	0.01	0.05
		CO 0.09	0.40	
		SO ₂ 0.01	0.01	
TEGSTK-1A, 2A, 3A	Glycol Heater No. 1	VOC	0.04	0.19
		NO _x 0.82	3.58	
		CO 0.17	0.75	
		SO ₂ 0.01	0.02	
		PM ₁₀ 0.10	0.43	
TEGSTK-1B	Glycol Heater No. 2	VOC	0.01	0.01
		NO _x 0.22	0.98	
		CO 0.19	0.82	
		SO ₂ 0.01	0.01	
		PM ₁₀ 0.02	0.07	

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			lb/hr	TPY**
AMSTK-1A	Amine Heater No. 1A	VOC	0.87	3.79
		NO _x	3.46	15.15
		CO	0.86	3.79
		SO ₂	0.06	0.07
		PM ₁₀	0.34	1.48
AMSTK-2A	Amine Heater No. 2A	VOC	0.87	3.79
		NO _x	3.46	15.15
		CO	0.86	3.79
		SO ₂	0.06	0.07
		PM ₁₀	0.34	1.48
AMSTK-3A	Amine Heater No. 3A	VOC	0.87	3.79
		NO _x	3.46	15.15
		CO	0.86	3.79
		SO ₂	0.06	0.07
		PM ₁₀	0.34	1.48
AUXSTK-1	Auxiliary Boiler No. 1	VOC	0.10	0.44
		NO _x	5.04	22.08
		CO	1.26	5.52
		SO ₂	0.02	0.09
		PM ₁₀	0.49	2.16
SBSTK-1A	Salt Bath Heater No. 1A	VOC	0.02	0.11
		NO _x	0.47	2.05
		CO	0.10	0.43
		SO ₂	0.01	0.01
		PM ₁₀	0.06	0.25
GENSTK-1	Electric Generator Engine No. 1	VOC	0.12	0.53
		NO _x	4.02	17.60
		CO	8.04	35.20
		SO ₂	0.01	0.03
		PM ₁₀	0.01	0.01
GENSTK-2	Electric Generator Engine	VOC	0.12	0.53

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			lb/hr	TPY**
	No. 2	NO _x	4.02	17.60
		CO	8.04	35.20
		SO ₂	0.01	0.03
		PM ₁₀	0.01	0.01
GENSTK-3	Electric Generator Engine No. 3	VOC	0.12	0.53
		NO _x	4.02	17.60
		CO	8.04	35.20
		SO ₂	0.01	0.03
		PM ₁₀	0.01	0.01
EPTANK-2	Amine Tank	VOC	0.02	0.01
EPTANK-3	Glycol Tank	VOC	0.01	0.01
EPTANK-4	Engine Oil Tank	VOC	0.01	0.01
EPTANK-5	Engine Antifreeze Tank	VOC	0.02	0.01
TRUCKFUG-1(4)	Sulfur Truck Loading	H ₂ S	0.01	0.01
FACFUG (4)	Facility Fugitive Emissions	VOC	0.38	1.66
		H ₂ S	0.14	0.61

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code Section 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

COS - caronyl sulfide

CS₂ - carbon disulfide

H₂S - hydrogen sulfide

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(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

_____Hrs/day _____Days/week _____Weeks/year or 8,760 Hrs/year

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

Dated July 3, 2002