EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 24450

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	Emission Rates TPY
23-3501	Regeneration Gas Heater (9.631 MMBTU/hr)	VOC	0.01	0.03
		NO_x	0.96	4.22
		SO_2	0.01	0.03
		PM_{10}	0.12	0.50
		CO	0.20	0.89
25-6901A	Auxiliary Boiler A (6 MMBTU/hr)	VOC	<0.01	0.02
		NO_x	0.60	2.63
		SO_2	<0.01	0.02
		PM_{10}	0.07	0.31
		CO	0.13	0.55
25-6901B	Auxiliary Boiler B (6 MMBTU/hr)	VOC	<0.01	0.02
		NO_x	0.60	2.63
		SO_2	<0.01	0.02
		PM_{10}	0.07	0.31
		CO	0.13	0.55
29-1101	Thermal Oxidizer Vent	VOC	0.01	0.03
		NO_x	0.75	3.29
		SO_2	30.93	135.46
		PM_{10}	0.09	0.39
		CO	1.43	6.24
		H_2S	0.18	0.80
		COS	0.07	0.32
		CS_2	0.03	0.13
33-5801	Amine Tank	MDEA	0.07	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
33-9101	Glycol Tank	TEG	<0.01	<0.01
42-6201A	Residue Gas Compressor A (1,375 Hp)	VOC	0.43	1.90
		NO_x	6.06	26.56
		SO_2	0.01	0.03
		CO	9.09	39.83
42-6201B	Residue Gas Compressor B (1,375 Hp)	VOC	0.43	1.90
		NO_x	6.06	26.56
		SO_2	0.01	0.03
		CO	9.09	39.83
42-6202A	Inlet Gas Compressor A (800 Hp)	VOC	2.94	12.87
		NO_x	6.88	30.13
		SO_2	0.01	0.02
		CO	6.00	26.27
42-6202B	Inlet Gas Compressor B (800 Hp)	VOC	2.94	12.87
		NO_x	6.88	30.13
		SO_2	0.01	0.02
		CO	6.00	26.27
42-6202C	Inlet Gas Compressor C (800 Hp)	VOC	2.94	12.87
		NO_x	6.88	30.13
		SO_2	0.01	0.02
		CO	6.00	26.27
42-6202D	Inlet Gas Compressor D (800 Hp)	VOC	2.94	12.87
		NO_x	6.88	30.13
		SO_2	0.01	0.02
		CO	6.00	26.27
42-6202E	Inlet Gas Compressor E	VOC	2.94	12.87
		NO_x	6.88	30.13

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
	(800 Hp)	SO_2	0.01	0.02
		CO	6.00	26.27
42-6202F	Inlet Gas Compressor F (800 Hp)	VOC	2.94	12.87
		NO_x	6.88	30.13
		SO_2	0.01	0.02
		CO	6.00	26.27
FLR1	Low-Pressure Flare	VOC (5)	2.85	1.48
		benzene	0.05	0.03
		ethylbenzene	<0.01	<0.01
		n-hexane	0.51	0.25
		toluene	0.03	0.02
		xylenes	<0.01	<0.01
		NO_x	0.46	0.23
		SO_2	0.04	0.18
		CO	0.92	0.46
		H_2S	<0.01	<0.01
FLR2	High-Pressure Flare	VOC (5)	0.30	1.29
		benzene	0.30	1.33
		ethylbenzene	0.23	1.01
		n-hexane	0.06	0.27
		toluene	0.32	1.42
		xylenes	0.31	1.38
		NO_x	0.22	0.97
		SO_2	<0.01	<0.01
		CO	0.44	1.93
		H_2S	<0.01	<0.01
PLANTFUG	Plant Fugitives (4) (6)	VOC	1.97	8.61
		H_2S	0.18	0.77
		COS	<0.01	<0.01
		CS_2	<0.01	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

PLANTFUG	Plant Fugitives (4) (7)	VOC	2.09	9.14
		H_2S	0.18	0.77
		COS	<0.01	<0.01
		CS_2	<0.01	<0.01
SULFLOAD1	Sulfur Loading	H_2S	0.90	0.04

(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 General Rule 101.1
MDEA - methyl diethylamine
TEG - triethylene glycol
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM_{10} - particulate matter equal to or less than 10 microns in diameter
CO - carbon monoxide
H_2S - hydrogen sulfide
COS - carbonyl sulfide
CS_2 - carbon disulfide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Does not include benzene, ethylbenzene, n-hexane, toluene, and xylene emissions.
(6) Fugitive emissions from plant prior to construction of cryogenic section.
(7) Fugitive emissions from the plant after construction of the cryogenic section.

* 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

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AIR CONTAMINANTS DATA

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

Dated ____