EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 31352/PSD-TX-856

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
F-11	Plant Flare (6)	NO_x	0.35	1.52
		CO	2.97	12.96
		SO_2	54.83	240.20
		H_2S	0.60	2.61
		VOC 1.96	8.49	
H-11	Auxiliary Boiler (6)	NO_x	2.52	11.04
		CO	0.63	2.76
		PM_{10} 0.25	1.08	
		SO_2	0.011	0.05
		VOC 0.05	0.22	
H-12	Glycol Regeneration Heater (6)	NO_x	0.35	1.53
		CO	0.074	0.32
		PM_{10}	0.04	0.18
		SO_2	0.002	0.01
		VOC 0.02	0.08	
Plant I - Plum Creek Treating Facility				
I-11	NASH Thermal Oxidizer (7)	NO_x	0.11	0.49
		CO	2.185	9.57
		PM_{10}	0.01	0.06
		SO_2 (5)	22.1	96.79
		H_2S	0.24	1.05
		VOC	0.005	0.02
F-11	Plant I Flare (7)	NO_x	0.14	0.61
		CO	0.28	1.21

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
		PM_{10}	<0.001	<0.01
		SO_2 (5)	0.004	0.02
		H_2S	<0.001	<0.01
		VOC	0.36	1.50
F-12 Use Only	Plant I Emergency Flare (6)(7)	Emergency and Maintenance		
H-11	Plant I Auxiliary Boiler (7)	NO_x	0.5	2.19
		CO	0.11	0.46
		PM_{10}	0.06	0.26
		SO_2 (5)	0.003	0.01
		VOC	0.03	0.12
H-12	Plant I Glycol Regeneration	NO_x	0.1	0.44
	Heater (7)	CO	0.021	0.09
		PM_{10}	0.012	0.05
		SO_2 (5)	0.001	<0.01
		VOC	0.005	0.02
T-12	Plant I Amine Tank (6)(7)	MDEA	<0.001	<0.01
T-13	Plant I Glycol Tank (6)(7)	TEG	<0.001	<0.01
T-17	Plant I Concentrated NaOH Tank No. 1 (7)	NaOH	<0.001	<0.01
T-18	Plant I Concentrated NaOH Tank No. 2 (7)	NaOH	<0.001	<0.01

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
T-19	Plant I Diluted NaOH Tank (7)	NaOH	<0.001	<0.01
L-11	Plant I Wastewater Truck Loading Fugitives (4)(6)(7)	VOC	0.48	<0.01
FUG-1	Plant I Fugitives (4)(6)(7)	H_2S	0.005	0.02
		TEG	<0.001	<0.01
		VOC	0.02	0.08

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
Plant II - Plum Creek Treating Facility				
I-21	Sulfur Recovery Unit Thermal Oxidizer (7)	NO_x	0.39	1.71
		CO	17.11	74.96
		PM_{10}	0.05	0.20
		SO_2 (5)	42.01	184.02
		H_2S	0.03	0.12
		COS	0.04	0.17
		CS_2	0.01	0.04
		VOC	0.02	0.08
F-21	Plant II Flare (7)	NO_x	0.62	2.70
		CO	1.24	5.39
		PM_{10}	<0.001	<0.01
		SO_2 (5)	0.023	0.10
		H_2S	<0.001	<0.01
		VOC	1.71	7.39
F-22 Use Only	Plant II Emergency Flare (7)	Emergency and Maintenance		
H-21	Plant II Auxiliary Boiler (7)	NO_x	2.52	11.04
		CO	0.63	2.76
		PM_{10}	0.25	1.08
		SO_2 (5)	0.011	0.05
		VOC	0.05	0.22
H-22	Plant II Glycol Regeneration	NO_x	0.35	1.53
	Heater (7)	CO	0.074	0.32
		PM_{10}	0.04	0.18
		SO_2 (5)	0.002	0.01
		VOC	0.02	0.08

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
T-23	Plant II Amine Tank (7)	MDEA	<0.001	<0.01
T-24	Plant II Glycol Tank (7)	TEG	<0.001	<0.01
L-21	Plant II Wastewater Truck Loading Fugitives (4)(7)	VOC	0.48	<0.01
L-22	Plant II Sulfur Truck Loading Fugitives (4)(7)	H_2S	0.373	0.06
FUG-2	Plant II Fugitives (4)(7)	H_2S	0.005	0.02
		COS/CS_2	<0.001	<0.01
		TEG	<0.001	<0.01
		VOC	0.02	0.08

(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) NO_x - total oxides of nitrogen
CO - carbon monoxide
PM_{10} - particulate matter 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.
SO_2 - sulfur dioxide
H_2S - hydrogen sulfide
VOC - volatile organic compounds as defined in General Rule 101.1
MDEA - methyl diethanolamine
TEG - triethylene glycol
NaOH - sodium hydroxide

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

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) These are the PSD-TX-856 emissions.

(6) Authorized sources and associated emissions prior to the start of operation of the facilities as represented in the PSD permit application received at the TNRCC on December 15, 1995. These sources and associated emissions shall comply with all applicable requirements of the Oil and Gas Standard Permit as previously authorized by Standard Permit No. 30931 dated April 12, 1996. **(12/97)**

(7) Authorized sources and associated emissions upon start of operation of the facilities as represented in the PSD permit application received at the TNRCC on December 15, 1995. **(12/97)**

* 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

Dated _____