EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3956B

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
**ALLTUR	Existing (10) Turbines Solar Saturn T-1200 (T-1 through T-8, T-11, and T-12)	VOC	0.52	2.29
		NO_x	32.62	142.9
		CO	33.8	148.0
		SO_2	3.94	17.26
		PM_{10}	5.49	24.04
T-13	New Turbine Solar Centaur T-4700	VOC	0.17	0.73
		NO_x	8.06	35.32
		CO	5.86	25.65
		SO_2	1.44	6.32
		PM_{10}	2.01	8.81
T-14	New Turbine Solar Centaur T-4700	VOC	0.17	0.73
		NO_x	8.06	35.32
		CO	5.86	25.65
		SO_2	1.44	6.32
		PM_{10}	2.01	8.81
E-1	Process Heater No. 1 East Stack (199 MMBtu/hr)	VOC	1.32	5.79
		NO_x	8.75	38.33
		CO	5.00	21.90
		SO_2	12.75	55.83
		PM_{10}	1.25	5.48
E-2	Process Heater No. 2 East Stack (199 MMBtu/hr)	VOC	1.32	5.79
		NO_x	8.75	38.33
		CO	5.00	21.90
		SO_2	12.75	55.83
		PM_{10}	1.25	5.48

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
**E-3E	Process Heater No. 3 East Stack (57 MMBtu/hr)	VOC	0.30	1.32
		NO_x	2.00	8.74
		CO	1.14	4.99
		SO_2	0.03	0.14
		PM_{10}	0.29	1.25
FL-1	Flare	VOC (6)	42.86	10.98
		NO_x	9.77	15.50
		CO	19.51	57.34
		PM_{10}	2.49	10.92
**EFWN	Fire Water Engine (5) North Stack	VOC	0.17	0.04
		NO_x	2.1	0.53
		CO	0.45	0.11
		SO_2	0.014	0.04
		PM/PM_{10}	0.15	0.04
**EFWS	Fire Water Engine (5) South Stack	VOC	0.17	0.14
		NO_x	2.1	0.53
		CO	0.45	0.11
		SO_2	0.014	0.04
		PM/PM_{10}	0.15	0.04
**ESPNOAH	Spent Caustic Tank Vent	VOC	0.77	3.37
**EHOTOIL	Hot Oil Storage Tank	VOC	<0.001	<0.01
**EMEABG	Methy Di-Ethanol Amine Storage Tank	VOC	<0.001	<0.01
**EDEGBG	Di-Ethylene Glycol Storage Tank	VOC	<0.001	<0.01
EDEABG	Di-Ethanol Amine Storage Tank	VOC	<0.001	<0.01
**EDSO	Di-Sulfide Oil Storage Tank	VOC	<0.001	<0.01
**EMEROXI	Process Tank	VOC	0.02	0.098

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
**EMINALK	Process Tank	VOC	0.02	0.098
**EMEOH	Methanol Storage Tank	VOC	<0.001	<0.01
**ETEGBG	Triethylene Glycol Storage Tank	VOC	0.002	0.007
**EMOTOR	Unleaded Gasoline Tank	VOC	0.032	0.14
AMINE-FUG	Amine Area Fugitives (4)	VOC	0.032	0.14
STOR-FUG	Storage Area Fugitives (4)	VOC	0.28	1.21
**DEBUT-FUG	Debutanizer Addition Fugitives Project Fugitives (4)	VOC	0.075	0.33
PROC-FUG	Plant Process Fugitives (4)	VOC	0.82	3.58
		H_2S	<0.04	<0.14
TURBIN-FUG	New Turbine Fugitives (4) (T-13 and T-14)	VOC	0.77	3.37

(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 30 Texas Administrative Code (TAC) Section 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - 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.
H_2S - hydrogen sulfide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) These engines are limited to 500 hours of operation per year.
(6) Based on a 3-hour rollling average.
* Emission rates are based on and the facilities are limited by the following maximum operating

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

schedule except as specified in note (5):

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

** These emissions sources are exempted changes incorporated into this permit pursuant to 30 TAC Section 116.116.(d). Dates and standard exemption/exemption numbers are represented by the company in Attachment A to this table.

Dated February 18, 2000