EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 9564 and PSD-TX-670

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**
8710	RF Process Heater	VOC	0.10	0.44
		NO_x	2.16	9.46
		CO	2.20	9.62
		PM	0.49	2.16
		SO_2	0.97	4.24
8711	RF Process Heater	VOC	0.10	0.44
		NO_x	2.16	9.46
		CO	2.20	9.62
		PM	0.49	2.16
		SO_2	0.97	4.24
8712	RF Process Heater	VOC	0.10	0.44
		NO_x	4.32	18.92
		CO	2.20	9.62
		PM	0.49	2.16
		SO_2	0.97	4.24
8713	REU Process Heater	VOC	0.06	0.26
		NO_x	2.59	11.35
		CO	1.32	5.77
		PM	0.30	1.30
		SO_2	0.58	2.54
8714	REU Process Heater	VOC	0.06	0.26
		NO_x	1.30	5.68
		CO	1.32	5.77
		PM	0.30	1.30
		SO_2	0.58	2.54
8715	REU Process Heater	VOC	0.06	0.26
		NO_x	1.30	5.68
		CO	1.32	5.77
		PM	0.30	1.30
		SO_2	0.58	2.54

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**
8716	REU Process Heater	VOC	0.05	0.23
		NO_x	0.86	3.78
		CO	0.19	0.85
		PM	0.09	0.38
		SO_2	0.19	0.85
8717	AF Process Heater	VOC	0.27	1.20
		NO_x	11.65	51.04
		CO	11.85	51.89
		PM	2.43	10.63
		SO_2	5.22	22.87
8718	AF Process Heater	VOC	0.27	1.20
		NO_x	23.30	102.07
		CO	11.85	51.89
		PM	2.43	10.63
		SO_2	5.22	22.87
8719	MS1 Process Heater	VOC	0.04	0.18
		NO_x	0.58	2.52
		CO	0.88	3.85
		PM	0.20	0.86
		SO_2	0.39	1.70
8720	AU Process Heater	VOC	0.16	0.71
		NO_x	3.46	15.14
		CO	3.51	15.39
		PM	0.79	3.46
		SO_2	1.55	6.78
8721	ALF Process Heater	VOC	0.20	0.89
		NO_x	8.63	37.82
		CO	8.78	38.45
		PM	1.80	7.88
		SO_2	3.87	16.95
8722	HGU Process Heater	VOC	0.04	0.18
		NO_x	0.58	2.52
		CO	0.88	3.85
		PM	0.20	0.86

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**
		SO_2	0.39	1.70
8723	DEU Process Heater	VOC	0.08	0.35
		NO_x	1.73	7.57
		CO	1.76	7.69
		PM	0.39	1.73
		SO_2	0.77	3.39
8724	DEU Process Heater	VOC	0.08	0.35
		NO_x	1.73	7.57
		CO	1.76	7.69
		PM	0.39	1.73
		SO_2	0.77	3.39
8725	DEU Process Heater	VOC	0.08	0.35
		NO_x	1.73	7.57
		CO	1.76	7.69
		PM	0.39	1.73
		SO_2	0.77	3.39
8726	HT1/CS Process Heater	VOC	0.06	0.26
		NO_x	2.59	11.35
		CO	1.32	5.77
		PM	0.30	1.30
		SO_2	0.58	2.54
8727	HT2 Process Heater	VOC	0.20	0.88
		NO_x	4.31	18.90
		CO	4.39	19.21
		PM	0.99	4.31
		SO_2	1.93	8.47
8728	MS2 Process Heater	VOC	0.04	0.18
		NO_x	1.73	7.57
		CO	0.88	3.85
		PM	0.20	0.86

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**
		SO_2	0.39	1.70
8738	South Flare (5)			
CD-FUG	CD Cluster Fugitives(4)	VOC	2.28	9.99
		NH_3	0.03	0.13

(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 Section 101.1
   NO_x - total oxides of nitrogen
   CO - carbon monoxide
   PM   - particulate matter
   SO_2 - sulfur dioxide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) No continuous venting of VOC to flare. The flare is only used for short periods during upsets, maintenance, start-ups, etc.

 *   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

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

Dated May 23, 2001