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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.

Emission Point No. (1)	Sourc Name (2)	e Name (3)	Air Contaminan lb/hr TPY	t <u>Emis</u>	sion Rates *
Pretreater No.	<u>3</u>				
F021	Fugiti	ves (4)	VOC	0.20	0.80
Sulfur Recovery	<u>/ Unit</u>				
056 S01	SRU S	Stack	PM10 SO2 NOx CO VOC H2S	0.60 128.00 13.50 28.90 0.30 0.75	2.10 560.60 47.30 126.60 1.20 3.28
056 V01	SRU I	No. 2 Vent (5)	CO H2S COS SO2 PM10 CS2	36.80 1.05 7.70 0.10 0.10 0.80	
056 V02	SRUI	No. 3 Vent (5)	CO H2S COS SO2 PM10 CS2	36.80 1.05 7.70 0.10 0.10 0.80	
056 V01	SRU I	No. 2 Vent and	СО		10.68

Emission Source	Air Contaminant <u>E</u>	<u> Emission Rates *</u>		
Point No. (1) Name (2	2) Name (3)	lb/hr TPY		
and	SRU No. 3 Vent (5)	H2S		0.38
056 V02		cos		1.79
		SO2		0.02
		PM		0.02
		CS2		0.13
056 V03	Sulfur Pit Vent (5)	H2S	0.04	0.01
		SO2	1.67	0.28
056 V05	Sulfur Loading Vent (5)		0.03	<0.01
		SO2	1.29	0.11
F056	SRU 2/3 Fugitives (4)	SO2	0.02	0.07
		VOC	0.92	4.04
		H2S	0.24	1.05
		NH3	0.02	0.10
0124-G1	SRU 1 Fugitives (4)	SO2	1.79	7.82
		H2S	1.71	7.51
Crude Unit B				
006 S01	Heater H-3101	PM10	4.70	16.60
		SO2	23.90	83.90
		NOx	107.90	377.90
		CO	14.20	49.70
		VOC	1.30	4.60
006 S01	Heater H-3102	PM10	0.80	2.70
		SO2	4.00	13.90
		NOx	17.90	62.50
		CO	2.30	8.20
		VOC	0.40	1.50
006 S02	Heater H-2001	PM10	0.60	2.20
		SO2	3.20	11.20

Emission Source Point No. (1) Name (2)		Emission Rates * Ib/hr TPY		
		NOx CO VOC	14.40 1.90 0.40	50.60 6.60 1.20
F006	Fugitives (4)	VOC	1.10	4.70
<u>Hydrocracker</u>				
035 S01	Heater H-3301	PM10 SO2 NOx CO VOC	0.20 1.10 5.10 0.70 0.10	0.80 4.00 17.90 2.40 0.40
035 S02	Heater H-3302	PM10 SO2 NOx CO VOC	0.20 0.80 3.40 0.50 0.10	0.50 2.70 12.10 1.60 0.30
035 S03	Heater H-3303	PM10 SO2 NOx CO VOC	0.20 0.80 3.40 0.50 0.10	0.50 2.70 12.10 1.60 0.30
035 S04	Heater H-3304	PM10 SO2 NOx CO VOC	1.50 7.40 33.30 4.40 0.80	5.10 25.90 116.70 15.40 2.90
035 S05	Heater H-3305	PM10 SO2 NOx CO	0.30 1.70 7.50 1.00	1.20 5.80 26.30 3.50

Emission Source Point No. (1) Name (2)	Air Contaminant Name (3)	Emission Rates * Ib/hr TPY		
FOIRT NO. (1) Name (2	z) Name (3)	VOC	0.20	0.60
035 S06	Heater H-4001	PM10 SO2 NOx CO VOC	0.40 1.80 8.20 1.10 0.20	1.30 6.40 28.90 3.80 0.70
F035	Fugitives (4)	VOC	0.60	2.70
Pretreater No. 4				
054 S01 (6)	Heater B-7001	PM10 SO2 NOx CO VOC	0.60 3.20 14.40 1.90 0.40	2.20 11.20 50.50 6.60 1.20
054 S01 (6)	Heater B-7002	PM10 SO2 NOx CO VOC	0.80 3.90 17.40 2.30 0.40	2.70 13.50 61.00 8.00 1.50
Reformer No. 4				
055 S01 (7)	Heater B-7101-4	PM10 SO2 NOx CO VOC	4.80 24.30 109.40 14.40 1.30	16.80 85.00 383.20 50.50 4.70
055 S01 (7)	Heater B-7201	PM10 SO2	0.20 1.10	0.80 3.80

Emission Source	Air Contaminant	Emission Rates *		
Point No. (1) Name (2	2) Name (3)	lb/hr TPY NOx CO VOC	4.90 0.70 0.10	17.30 2.30 0.40
055 V01	Regenerator Vent	PM10 SO2 CO HCI Cl2	0.01 0.10 0.96 0.03 0.40	0.04 0.40 4.20 0.10 1.90
F055	Fugitives (4)	VOC	1.00	4.30
<u>Coker</u>				
009 S04	Heater BA-3000	PM10 SO2 NOx CO VOC	0.60 3.00 13.50 1.80 0.30	2.10 10.50 47.30 6.20 1.20
F009	Fugitives (4)	VOC	1.50	6.70
Amine Regeneration Uni	<u>t</u>			
F057	Fugitives (4)	VOC H2S	0.10 0.20	0.60 0.70
Sour Water Stripper Unit				
F038	Fugitives (4)	VOC NH3 H2S	0.38 0.01 0.01	1.70 0.10 0.10

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES AIR CONTAMINANTS DATA

Emission S Point No. (1)	Source Air Contaminant Name (2) Name (3)	Emission Rates * Ib/hr TPY		
Storage Tanks	<u> </u>			
T0781	Storage Tank (8)	VOC	6.10	26.70
T0781	Storage Tank (9)	VOC	5.09	22.30
T0782	Storage Tank	VOC	5.14	22.50
T1150	Storage Tank (8)	VOC	22.60	99.00
T1150	Storage Tank (9)	VOC	0.59	2.60
T1151	Storage Tank (8)	VOC	22.60	99.00
T1151	Storage Tank (9)	VOC	0.59	2.60
T1158	Storage Tank	VOC	0.59	2.60
T1165	Storage Tank	VOC	0.73	3.20
T1212	Storage Tank	VOC	0.57	2.50
T1213	Storage Tank	VOC	0.68	3.00
T1215	Storage Tank (8)	VOC	28.49	124.80
T1215	Storage Tank (9)	VOC	0.84	3.70
T1300	Storage Tank (8)	VOC	23.68	103.70
T1300	Storage Tank (9)	VOC	0.62	2.70
T1314	Storage Tank (8)	VOC	17.76	77.80
T1314	Storage Tank (9)	VOC	0.48	2.10

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES AIR CONTAMINANTS DATA

	urce Air Contaminant Name (2) Name (3)	Emission Rates * Ib/hr TPY		
1 OHIL 140. (1)	Name (2)	10/111 11 1		
T1320	Storage Tank (8)	VOC	17.76	77.80
T1320	Storage Tank (9)	VOC	0.46	2.00
T1324	Storage Tank	VOC	0.87	3.80
T1329	Storage Tank	VOC	0.41	1.80
T1332	Storage Tank	VOC	0.30	1.30
T1334	Storage Tank (8)	VOC	21.71	95.10
T1334	Storage Tank (9)	VOC	0.57	2.50
T1335	Storage Tank (8)	VOC	26.89	117.80
T1335	Storage Tank (9)	VOC	0.96	4.20
T1338	Storage Tank	VOC	0.57	2.50
T1361	Storage Tank	VOC	5.14	22.5
T1362	Storage Tank (8)	VOC	34.25	150.00
T1362	Storage Tank (9)	VOC	1.03	4.50
T2119	Storage Tank	VOC	0.66	2.90
T2198	Storage Tank (8)	VOC	17.92	78.50
T2198	Storage Tank (9)	VOC	0.64	2.80
T2199	Storage Tank (8)	VOC	17.83	78.10
T2199	Storage Tank (9)	VOC	0.55	2.40

Emission Point No. (1)	Source Air Contaminant Name (2) Name (3)	Emission Rates * Ib/hr TPY		
T2200	Storage Tank (8)	VOC	13.24	58.00
T2200	Storage Tank (9)	VOC	0.37	1.60
T2201	Storage Tank (8)	VOC	13.24	58.00
T2201	Storage Tank (9)	VOC	0.37	1.60
T2202	Storage Tank	VOC	0.48	2.10
T2203	Storage Tank (8)	VOC	3.22	14.10
T2203	Storage Tank (9)	VOC	2.58	11.30
T2209	Storage Tank (8)	VOC	26.71	117.00
T2209	Storage Tank (9)	VOC	0.78	3.40
T2210	Storage Tank (8)	VOC	26.71	117.00
T2210	Storage Tank (9)	VOC	0.78	3.40
T2212	Storage Tank (8)	VOC	26.71	117.00
T2212	Storage Tank (9)	VOC	0.78	3.40
T2213	Storage Tank	VOC	0.78	3.40
T2221	Storage Tank (8)	VOC	17.76	77.80
T2221	Storage Tank (9)	VOC	0.48	2.10
T2222	Storage Tank (8)	VOC	17.76	77.80
T2222	Storage Tank (9)	VOC	0.48	2.10
T2223	Storage Tank (8)	VOC	13.33	58.40

T2223	Storage Tank (9)	VOC	0.48	2.10	
T2224	Storage Tank	VOC	0.37	1.60	
T2225	Storage Tank (8)	VOC	34.11	149.40	
T2225	Storage Tank (9)	VOC	0.89	3.90	
T1377	SWS Storage Tank	VOC	5.31	22.90	
T1378	SWS Storage Tank (8)	VOC	52.03	227.50	
T1378	SWS Storage Tank (9)	VOC	5.31	22.90	
Fluid Catalytic Cracking Unit					
010 S01	CO Boiler	PM10 SO2 NOx CO VOC	155.00 6588.00 984.00 457.00 1.74	675.00 13101.00 2650.00 2000.00 7.60	

- (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) PM10 particulate matter less than 10 microns
 - VOC volatile organic compounds as defined in General Rule 101.1
 - NOx total oxides of nitrogen
 - SO2 sulfur dioxide
 - CO carbon monoxide
 - H2S hydrogen sulfide
 - NH3 ammonia
 - HCI hydrogen chloride

Cl2 - chlorine

COS - carbonyl sulfide

CS2 - carbon disulfide

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- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) TPY rate is based on operating 336 hours/year (rolling annual basis) with the stack burner/thermal oxidizer down.
- (6) Heaters B-7001 and B-7002 share a common stack.
- (7) Heaters B-7101-4 and B-7201 share a common stack.

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(8)	Emission	limit prior to	equipping the tan	k with an interna	l floating roof	(IFR)	or equivalent
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- (9) Emission limit after January 1, 1999 or after equipping the tank with an IFR or equivalent, whichever occurs first.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

mrs/uay	Days/week	_vveeks/year	or his/year	8,700	
				Dated	