

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 18897

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
XF1011	No. 11 Boiler (8)	NO <sub>x</sub>	13.73	60.13
		CO	3.64	15.94
		PM	0.77	3.39
		PM <sub>10</sub>	0.74	3.22
		PM <sub>2.5</sub>	0.72	3.16
		VOC	0.56	2.46
		SO <sub>2</sub>	3.06	4.96
		H <sub>2</sub> S	0.03	0.05
XF1601	No. 6 Crude Unit Furnace 1 (8)	NO <sub>x</sub>	5.93	25.97
		CO	5.93	25.97
		PM	1.26	5.53
		PM <sub>10</sub>	1.20	5.25
		PM <sub>2.5</sub>	1.17	5.14
		VOC	0.91	4.00
		SO <sub>2</sub>	4.98	8.08
		H <sub>2</sub> S	0.05	0.09

Emission Sources - Maximum Allowable Emission Rates

XF1602	No. 6 Crude Unit Furnace 2 (8)	NO <sub>x</sub>	3.50	15.33
		CO	3.00	13.14
		PM	0.75	3.26
		PM <sub>10</sub>	0.71	3.10
		PM <sub>2.5</sub>	0.69	3.04
		VOC	0.54	2.36
		SO <sub>2</sub>	2.94	4.77
		H <sub>2</sub> S	0.03	0.05
XF3804	Plant 38 Feed Furnace (8)	NO <sub>x</sub>	2.59	11.34
		CO	0.92	4.05
		PM	0.20	0.86
		PM <sub>10</sub>	0.19	0.82
		PM <sub>2.5</sub>	0.18	0.80
		VOC	0.14	0.62
		SO <sub>2</sub>	0.78	1.26
		H <sub>2</sub> S	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

XF3901	Plant 39 Diesel Furnace (8)	NO <sub>x</sub>	2.59	11.34
		CO	2.59	11.34
		PM	0.55	2.42
		PM <sub>10</sub>	0.52	2.29
		PM <sub>2.5</sub>	0.51	2.25
		VOC	0.40	1.75
		SO <sub>2</sub>	2.18	3.81
		H <sub>2</sub> S	0.02	0.04
XF4131	Naphtha Hydrotreater Furnace No. 1 (8)	NO <sub>x</sub>	3.68	16.10
		CO	1.31	5.75
		PM	0.28	1.22
		PM <sub>10</sub>	0.27	1.16
		PM <sub>2.5</sub>	0.26	1.14
		VOC	0.20	0.89
		SO <sub>2</sub>	1.10	1.79
		H <sub>2</sub> S	0.01	0.02
XF4132	Naphtha Hydrotreater Furnace No. 2 (8)	NO <sub>x</sub>	3.68	16.10
		CO	1.31	5.75
		PM	0.28	1.22
		PM <sub>10</sub>	0.27	1.16
		PM <sub>2.5</sub>	0.26	1.14
		VOC	0.20	0.89
		SO <sub>2</sub>	1.10	1.79
		H <sub>2</sub> S	0.01	0.02
XF4150-60	Rheniformer Reactor Furnace (F-4150) (8)	NO <sub>x</sub>	5.08	22.23
		CO	4.35	19.05

Emission Sources - Maximum Allowable Emission Rates

		PM	1.08	4.73
		PM <sub>10</sub>	1.03	4.50
		PM <sub>2.5</sub>	1.00	4.40
		VOC	0.78	3.42
		SO <sub>2</sub>	4.26	6.92
		H <sub>2</sub> S	0.05	0.07

Emission Sources - Maximum Allowable Emission Rates

XF4150-60	Rheniformer Reactor Furnace (F-4160) (8)	NO <sub>x</sub>	5.29	23.15
		CO	4.53	19.84
		PM	1.13	4.93
		PM <sub>10</sub>	1.07	4.68
		PM <sub>2.5</sub>	1.05	4.58
		VOC	0.81	3.57
		SO <sub>2</sub>	4.44	7.20
		H <sub>2</sub> S	0.05	0.08
XF4170-80	Rheniformer Reactor Furnace (F-4170) (8)	NO <sub>x</sub>	7.28	31.89
		CO	4.90	21.46
		PM	1.04	4.57
		PM <sub>10</sub>	0.99	4.34
		PM <sub>2.5</sub>	0.97	4.25
		VOC	0.75	3.31
		SO <sub>2</sub>	4.12	6.68
		H <sub>2</sub> S	0.04	0.07
XF4170-80	Rheniformer Reactor Furnace (F-4180) (8)	NO <sub>x</sub>	2.24	9.79
		CO	1.51	6.59
		PM	0.32	1.40
		PM <sub>10</sub>	0.30	1.33
		PM <sub>2.5</sub>	0.30	1.31
		VOC	0.23	1.02
		SO <sub>2</sub>	1.26	2.05
		H <sub>2</sub> S	0.01	0.02
6	Boiler No. 1 (H-901) (8)	NO <sub>x</sub>	21.46	94.00
		CO	6.41	28.05

Emission Sources - Maximum Allowable Emission Rates

8	Boiler No. 3 (H-903) (8)	PM	1.36	5.97
		PM <sub>10</sub>	1.30	5.67
		PM <sub>2.5</sub>	1.27	5.55
		VOC	0.99	4.32
		SO <sub>2</sub>	5.38	8.73
		H <sub>2</sub> S	0.06	0.09
		NO <sub>x</sub>	10.81	47.35
		CO	6.10	26.73
109	Vacuum Unit Heater (H-1601) (8)	PM	1.30	5.69
		PM <sub>10</sub>	1.23	5.41
		PM <sub>2.5</sub>	1.21	5.29
		VOC	0.94	4.12
		SO <sub>2</sub>	5.13	8.32
		H <sub>2</sub> S	0.05	0.09
		NO <sub>x</sub>	19.68	68.96
		CO	5.74	25.14
		PM	1.22	5.35
		PM <sub>10</sub>	1.16	5.08
		PM <sub>2.5</sub>	1.14	4.98
		VOC	0.88	3.87
		SO <sub>2</sub>	4.82	7.82
		H <sub>2</sub> S	0.05	0.08

Emission Sources - Maximum Allowable Emission Rates

125	Vacuum Preflash Heater (H-1101) (8)	NO <sub>x</sub>	3.31	14.48
		CO	1.18	5.17
		PM	0.25	1.10
		PM <sub>10</sub>	0.24	1.04
		PM <sub>2.5</sub>	0.23	1.02
		VOC	0.18	0.80
		SO <sub>2</sub>	0.99	1.61
		H <sub>2</sub> S	0.01	0.02
K501-04	Relief Gas Compressors (8)	NO <sub>x</sub>	7.11	31.15
		CO	11.25	49.28
		PM	2.18	9.55
		PM <sub>10</sub>	2.07	9.07
		PM <sub>2.5</sub>	2.03	8.88
		VOC	1.80	7.88
		SO <sub>2</sub>	0.01	0.04
		H <sub>2</sub> S	0.01	0.02
97	Fire Water Pump (8)	NO <sub>x</sub>	7.25	0.77
		CO	1.56	0.16
		PM	0.51	0.05
		PM <sub>10</sub>	0.51	0.05
		PM <sub>2.5</sub>	0.51	0.05
		VOC	0.59	0.06
		SO <sub>2</sub>	0.48	0.05
		H <sub>2</sub> S	0.05	0.09
XH-103	CPS Crude Heater (H-103) (8)	NO <sub>x</sub>	5.95	26.06
		CO	3.40	14.89
		PM	1.27	5.55
		PM <sub>10</sub>	1.20	5.27
		PM <sub>2.5</sub>	1.18	5.16
		VOC	0.92	4.02
		SO <sub>2</sub>	4.76	8.04
		H <sub>2</sub> S	0.05	0.09

Emission Sources - Maximum Allowable Emission Rates

XF3902	Plant 39 Furnace (8)	NO <sub>x</sub>	1.44	6.33
		CO	1.44	6.33
111	FCCU (8)	PM	0.31	1.35
		PM <sub>10</sub>	0.29	1.28
		PM <sub>2.5</sub>	0.29	1.25
		VOC	0.22	0.97
		SO <sub>2</sub>	1.21	2.13
		H <sub>2</sub> S	0.01	0.02
		NO <sub>x</sub>	74.41	75.04
		CO	58.88	91.36
PK-853	North Wastewater	PM	24.00	91.98
		PM <sub>10</sub>	24.00	91.98
		PM <sub>2.5</sub>	24.00	91.98
		VOC	3.57	14.39
		SO <sub>2</sub>	33.65	52.21
		H <sub>2</sub> SO <sub>4</sub>	3.96	15.18
		HCN	4.49	17.20
		NO <sub>x</sub>	0.88	3.87
		CO	0.54	2.38
		PM	0.05	0.22
		PM <sub>10</sub>	0.05	0.22
		PM <sub>2.5</sub>	0.05	0.22
		VOC	0.07	0.30
		SO <sub>2</sub>	0.07	0.31
		H <sub>2</sub> S	0.04	0.16
		Benzene	0.02	0.11
T-24	TK-024 (8)	VOC	0.41	0.01
T-61	TK-061 (8)	VOC	0.92	2.39
		Benzene	0.01	0.03
T-94	TK-094 (8)	VOC	0.75	1.86



Emission Sources - Maximum Allowable Emission Rates

T-120	TK-120 (8)	Benzene	0.02	0.02
		VOC	1.43	2.12
T-135	TK-135 (8)	Benzene	0.01	0.01
		VOC	0.75	0.17
T-138	TK-138 (8)	Benzene	0.01	0.01
		VOC	1.76	4.18
T3601	TK-3601 (8)	H2S	0.02	0.06
		VOC	0.80	2.49
41	TK-4114 (8)	Benzene	0.01	0.03
		VOC	4.82	15.95
		Benzene	0.07	0.20
50	TK-4117 (8)	VOC	1.34	3.04
		Benzene	0.03	0.04
T4270	TK-4270 (8)	VOC	0.83	0.20
		Benzene	0.01	0.01
T4272	TK-4272 (8)	VOC	1.86	1.30
		Benzene	0.01	0.02
T4273	TK-4273 (8)	VOC	1.86	1.30
T-4274	TK-4274 (8)	Benzene	0.01	0.01
		VOC	0.68	0.03
T-4275	TK-4275 (8)	VOC	0.68	0.03
T4276	TK-4276 (8)	VOC	0.82	0.03
T4607	TK-4607 (8)	VOC	0.21	0.21
		Benzene	0.01	0.01
T-525	TK-525 (8)	VOC	0.09	0.05
T-803	TK-803 (8)	VOC	2.16	7.21
T-804	TK-804 (8)	Benzene	0.01	0.03
		VOC	1.92	6.41
DEATANK	DEATANK (8)	Benzene	0.01	0.03
		VOC	0.01	0.01
T-8402	DEA Tank (8)	VOC	0.01	0.01
D-4145	TK-4145 (8)	VOC	0.87	0.02

Emission Sources - Maximum Allowable Emission Rates

D-3106 WAXCLD	TK-3106 (8) DHT Wax Cloud Tank (8)	VOC	3.01	0.25
		VOC	0.01	0.01
F-38	Plant 38 Piping Fugitives (5) (8)	VOC	2.52	11.03
F-39	Plant 39 Fugitives (5) (8)	H <sub>2</sub> S	0.01	0.01
		VOC	4.60	20.14
		H <sub>2</sub> S	0.02	0.08
F-16N	No. 6 Crude Unit Piping Fugitives (5) (8)	Benzene	0.01	0.01
		VOC	9.30	40.71
		H <sub>2</sub> S	0.01	0.01
F-71-72	North 84 Plant Amine 1 and 2 Fugitives (5) (8)	Benzene	0.05	0.20
		VOC	1.00	4.37
		H <sub>2</sub> S	0.01	0.01
F-10N	North Plant Utilities	VOC	3.42	14.97
		H <sub>2</sub> S	0.02	0.02
		VOC	1.82	7.93
WWCTS	North API Separator	Benzene	0.02	0.02
		H <sub>2</sub> S	<0.01	<0.01
		NH <sub>3</sub>	0.01	0.05
F-20N LE-FUG	North Isom Pinning LFER Unit Fugitives (5)	VOC	2.41	10.53
		VOC	5.75	25.18
		Benzene	0.26	1.12
F-41	Rheniformer/NHT/LSR Splitter Fugitives (5) (8)	H <sub>2</sub> S	0.01	0.02
		VOC	5.08	22.27
		Benzene	0.12	0.54
		H <sub>2</sub> S	0.01	0.02
TNK-FUG	Tank Field Piping Fugitives (5) (8)	VOC	1.65	7.24
		Benzene	0.02	0.09
F-8	South Poly Plant Fugitives (5) (8)	H <sub>2</sub> S	<0.01	<0.01
		VOC	3.20	14.00
		Benzene	0.15	0.62
		H <sub>2</sub> S	0.01	0.01
F-9	Jet Fuel Treating Fugitives (5) (8)	VOC	1.04	4.54

## Emission Sources - Maximum Allowable Emission Rates

F-5	Alkylation Fugitives (5)	VOC	9.62	42.13
F-20S	Alky II Fugitives (5) (8)	VOC	3.90	17.07
W-2	South API Separator Fugitives (5) (8)	VOC	0.75	3.27
F-23	South Utilities Fugitives (5) (8)	Benzene	0.01	0.01
		VOC	2.79	12.18
F-19	Butamer Fugitives (5) (8)	H <sub>2</sub> S	0.01	0.01
		VOC	3.21	14.06
F-11	FCCU Fugitives (5) (8)	VOC	8.69	38.04
		H <sub>2</sub> S	0.01	0.02
F-1/2	CPS/DCU Fugitives (5) (8)	Benzene	0.10	0.41
		VOC	5.86	25.66
		H <sub>2</sub> S	0.05	0.23
		Benzene	0.03	0.13
F-22	Merox III Fugitives (5) (8)	VOC	0.89	3.87
F-10 SP	Naphtha Merox Fugitives (5) (8)	Benzene	0.01	0.05
		VOC	1.33	5.81
F-18	Vacuum Distillation Fugitives (5) (8)	VOC	5.10	22.33
F-16S	Receiving, Pumping, and Shipping Fugitives (5) (8)	VOC	2.24	9.82
		Benzene	0.02	0.08
FUG	Terminal Fugitives (5) (8)	H <sub>2</sub> S	<0.01	<0.01
		VOC	<0.01	<0.01
		Benzene	<0.01	<0.01
		H <sub>2</sub> S	<0.01	<0.01
F-84	Amine Unit 1 and 2 Fugitives (5) (8)	VOC	0.96	4.19
		H <sub>2</sub> S	0.02	0.06
F-14-5-6	5-6 Cooling Tower (5) (8)	VOC	0.78	3.41
		PM	1.11	4.88
		PM <sub>10</sub>	0.31	1.37
		PM <sub>2.5</sub>	<0.01	<0.01
		Benzene	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

F-14-7	7 Cooling Tower (5) (8)	VOC	0.34	1.47
		PM	4.81	21.05
		PM <sub>10</sub>	1.35	5.90
		PM <sub>2.5</sub>	<0.01	0.04
F-14-8	8 Cooling Tower (5) (8)	Benzene	0.01	0.01
		VOC	1.09	4.76
		PM	15.54	68.06
		PM <sub>10</sub>	4.35	19.07
F-14-9	9 Cooling Tower (5) (8)	PM <sub>2.5</sub>	0.03	0.12
		Benzene	0.01	0.01
		VOC	0.48	2.11
		PM	0.69	3.01
		PM <sub>10</sub>	0.19	0.84
F-21	Alky Cooling Tower (5) (8)	PM <sub>2.5</sub>	<0.01	<0.01
		Benzene	0.01	0.01
		VOC	0.79	3.44
		PM	1.12	4.93
		PM <sub>10</sub>	0.32	1.38
		PM <sub>2.5</sub>	<0.01	<0.01
F-7	Main Cooling Tower (5) (8)	Benzene	0.01	0.01
		VOC	0.96	4.21
		PM	13.73	60.16
		PM <sub>10</sub>	3.85	16.86
		PM <sub>2.5</sub>	0.02	0.10
		Benzene	0.01	0.01
PK-854	North Wastewater Collection and Treatment System Carbon Canister (8)	VOC	0.13	0.57
		H <sub>2</sub> S	0.01	0.01
		NH <sub>3</sub>	0.01	0.04
98	South API Oil Water Separator (8)	Benzene	<0.01	0.01
		VOC	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

		H <sub>2</sub> S	0.16	0.68
		NH <sub>3</sub>	0.01	0.06
		Benzene	<0.01	0.01
RHENSCRUB PK-855	Rheniformer Catalyst Regeneration New North WWCTS Carbon Canister (8)	HCl	0.09	0.02
		VOC	0.25	1.10
		Benzene	<0.01	0.01
Compliance Caps - Final	NO <sub>x</sub>	H <sub>2</sub> S	0.01	0.04
		NH <sub>3</sub>	0.03	0.14
		173.42	446.82	
	PM	32.80	96.79	
	PM <sub>10</sub>	32.48	96.53	
	PM <sub>2.5</sub>	32.22	95.69	
	VOC	106.55	480.61	
Individual Emission Rate	Benzene	0.89	1.85	
		VOC	9.86	-
		NO <sub>x</sub>	18.48	-
		CO	46.20	-
		SO <sub>2</sub>	72.90	-
R-2911	Rheniformer Flare (6)	H <sub>2</sub> S	0.77	-
		VOC	7.46	-
		NO <sub>x</sub>	18.72	-
		CO	48.78	-
		SO <sub>2</sub>	0.01	-
		H <sub>2</sub> S	0.77	-

Emission Sources - Maximum Allowable Emission Rates

D-2914/R-2911	North Main Flare/ Pheniformer Flare (A)	VOC	-	0.40
		NO <sub>x</sub>	-	3.51
		CO	-	16.24
		SO <sub>2</sub>	-	0.47
		H <sub>2</sub> S	-	0.01
112	Plant Emergency/AAC/Main	VOC	0.43	1.90
		NO <sub>x</sub>	0.05	0.23
		CO	0.24	1.03
		SO <sub>2</sub>	0.01	0.01
XF8801/2	Steam Reformer Heater E 8801 Steam Reformer	VOC	0.70	2.61
		NO <sub>x</sub>	4.52	16.96
		CO	4.52	16.96
		PM	0.96	3.61
		PM <sub>10</sub>	0.91	3.43
		PM <sub>2.5</sub>	0.89	3.36
		SO <sub>2</sub>	3.81	1.92
		H <sub>2</sub> S	0.04	0.02
H2FUG	Hydrogen Plant Fugitives (E)	CO	0.01	0.06
		VOC	0.04	0.18
		H <sub>2</sub> S	0.01	0.01
XF4301	Reformate Splitter Boiler Heater	VOC	0.24	0.99
		NO <sub>x</sub>	1.58	6.44
		CO	1.58	6.44
		PM	0.34	1.37
		PM <sub>10</sub>	0.32	1.30
		PM <sub>2.5</sub>	0.31	1.27
		SO <sub>2</sub>	1.21	1.97
Planned Maintenance MSS CAP	Sitewide MSS Sources Excluding Flares	H <sub>2</sub> S	0.01	0.02
		VOC	137.13	10.00
		NO <sub>x</sub>	2.38	9.98
		CO	208.65	11.00

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		SO <sub>2</sub>	21.17	0.93
D-2914/R-2911	North Flares [Including <del>North Relief Gas Flare</del>	PM	52.21	4.20
		PM <sub>10</sub>	52.21	4.20
		PM <sub>2.5</sub>	52.21	4.20
		H <sub>2</sub> S	0.31	0.01
		VOC	92.90	0.90
112	South Main Flare (MSS)	NO <sub>x</sub>	41.24	9.81
		CO	164.24	30.55
		SO <sub>2</sub>	587.61	5.66
		H <sub>2</sub> S	6.24	0.06
		VOC	579.60	10.16
XF4301	Heater Start-Up	NO <sub>x</sub>	48.38	3.25
		CO	271.50	12.96
		SO <sub>2</sub>	1,471.87	23.27
		H <sub>2</sub> S	15.64	0.25
		VOC	0.24	1.00
		NO <sub>x</sub>	2.75	0.13
		CO	15.87	0.76
		PM	0.34	1.38
		PM <sub>10</sub>	0.34	1.38
		PM <sub>2.5</sub>	0.34	1.38
F-90	MSAT Plant Fugitives	SO <sub>2</sub>	1.21	1.97
		H <sub>2</sub> S	0.01	0.02
		VOC	8.50	37.24
		Benzene	0.35	1.52
F-90MSS	Planned Routine MSS	VOC	351.75	3.67
D-2914/R-2911	North Main Flare/ <del>Pheniformer Flare</del>	PM	0.02	0.02
		PM <sub>10</sub>	0.02	0.02
		PM <sub>2.5</sub>	0.02	0.02
		VOC	70.67	0.57
		NO <sub>x</sub>	6.99	0.10
		CO	50.48	0.72

Emission Sources - Maximum Allowable Emission Rates

		SO <sub>2</sub>	0.01	0.01
		H <sub>2</sub> S	0.01	0.01
XF1013	Boiler F-1013	VOC	1.21	5.28
		NO <sub>x</sub>	2.87	12.57
		CO	10.04	43.99
		PM	2.45	8.13
		PM <sub>10</sub>	2.37	7.80
7.67 12.28 0.14 1.12 0.50 5.66			PM <sub>2.5</sub>	2.34
			SO <sub>2</sub>	7.58
			H <sub>2</sub> S	0.08
			H <sub>2</sub> SO <sub>4</sub>	0.70
			TRS	0.30
			NH <sub>3</sub>	1.29
XF1013MSS Boiler F-1013 MSS				
NO <sub>x</sub> 34.43 1.65				
	Boiler F-1012	CO	200.86	9.64
		VOC	0.49	2.13
		NO <sub>x</sub>	0.90	3.94
		CO	3.15	13.80
		PM	0.67	2.94
		PM <sub>10</sub>	0.64	2.79
		PM <sub>2.5</sub>	0.62	2.73
		SO <sub>2</sub>	0.05	0.23
		H <sub>2</sub> S	<0.01	<0.01
		NH <sub>3</sub>	0.41	1.77
F-25_SPB	South Cat Gas Hydrotreater Fugitives	VOC	0.01	0.04
		H <sub>2</sub> S	<0.01	<0.01
		Benzene	<0.01	<0.01



Emission Sources - Maximum Allowable Emission Rates

	No. 6 Crude Unit	VOC	0.72	3.15
		PM	0.06	0.26
	Marketing Terminal	PM <sub>10</sub>	0.02	0.07
		PM <sub>2.5</sub>	<0.01	<0.01
		Benzene	0.01	0.01
		VOC	0.14	0.59
	North Crude Expansion North Crude Expansion North Crude Expansion North Crude Expansion	PM	0.01	0.05
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Benzene	0.01	0.01
		VOC	1.10	0.01
		VOC	0.12	<0.01
		VOC	0.69	<0.01
		VOC	0.13	<0.01
NCMSSALKY	North Crude Expansion Units MSS – ALKY Aux Alky Cooling Tower	VOC	15.78	0.08
		VOC	0.15	0.66
		PM	0.05	0.24
		PM <sub>10</sub>	0.02	0.07
		PM <sub>2.5</sub>	<0.01	<0.01
		Benzene	0.01	0.01

## Emission Sources - Maximum Allowable Emission Rates

F-26	Aux Alkv Cooling Tower	VOC	0.15	0.66
(1) Emission point identification - either specific equipment designation or emission point number from plot plan.		PM <sub>10</sub>	0.05	0.24
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.		PM <sub>10</sub>	0.02	0.07
(3) VOC	- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1	PM <sub>2.5</sub>	<0.01	<0.01
NO <sub>x</sub>	- total oxides of nitrogen	Benzene	0.01	0.01
SO <sub>2</sub>	- sulfur dioxide			
PM	- total particulate matter, suspended in the atmosphere, including PM <sub>10</sub> and PM <sub>2.5</sub> , as represented			
PM <sub>10</sub>	- total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub> , as represented			
VOC				
PM <sub>2.5</sub>	- particulate matter equal to or less than 2.5 microns in diameter			
0.15	- carbon monoxide			
CO	- hydrochloric acid			
0.66				
HCl	- hydrogen sulfide	PM	0.05	0.24
H <sub>2</sub> S	- sulfuric acid	PM <sub>10</sub>	0.02	0.07
H <sub>2</sub> SO <sub>4</sub>	- ammonia	PM <sub>2.5</sub>	<0.01	<0.01
NH <sub>3</sub>	- hydrogen cyanide			
HCN				
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.		Benzene	0.01	0.01

- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Planned MSS activities described in Special Condition 50 and pilot emissions are authorized.
- (7) Only pilot emissions are authorized for these combustion sources.
- (8) Total emission rates from these emission points shall comply with compliance caps contained in this MAERT.
- (9) Represents emissions associated with flared releases from the Mobile Source Air Toxics (MSAT) Unit.

Date: December 20, 2019