

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 _x	13.73	60.13
		CO	3.64	15.94
		PM	0.77	3.39
		PM ₁₀	0.74	3.22
		PM _{2.5}	0.72	3.16
		VOC	0.56	2.46
		SO ₂	3.06	4.96
		H ₂ S	0.03	0.05
XF1601	No. 6 Crude Unit Furnace 1 (8)	NO _x	5.93	25.97
		CO	5.93	25.97
		PM	1.26	5.53
		PM ₁₀	1.20	5.25
		PM _{2.5}	1.17	5.14
		VOC	0.91	4.00
		SO ₂	4.98	8.08
		H ₂ S	0.05	0.09

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
XF1602	No. 6 Crude Unit Furnace 2 (8)	NO _x	3.50	15.33
		CO	3.00	13.14
		PM	0.75	3.26
		PM ₁₀	0.71	3.10
		PM _{2.5}	0.69	3.04
		VOC	0.54	2.36
		SO ₂	2.94	4.77
		H ₂ S	0.03	0.05
XF3804	Plant 38 Feed Furnace (8)	NO _x	2.59	11.34
		CO	0.92	4.05
		PM	0.20	0.86
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.18	0.80
		VOC	0.14	0.62
		SO ₂	0.78	1.26
		H ₂ S	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
XF3901	Plant 39 Diesel Furnace (8)	NO _x	2.59	11.34
		CO	2.59	11.34
		PM	0.55	2.42
		PM ₁₀	0.52	2.29
		PM _{2.5}	0.51	2.25
		VOC	0.40	1.75
		SO ₂	2.18	3.81
		H ₂ S	0.02	0.04
XF4131	Naphtha Hydrotreater Furnace No. 1 (8)	NO _x	3.68	16.10
		CO	1.31	5.75
		PM	0.28	1.22
		PM ₁₀	0.27	1.16
		PM _{2.5}	0.26	1.14
		VOC	0.20	0.89
		SO ₂	1.10	1.79
		H ₂ S	0.01	0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
XF4132	Naphtha Hydrotreater Furnace No. 2 (8)	NO _x	3.68	16.10
		CO	1.31	5.75
		PM	0.28	1.22
		PM ₁₀	0.27	1.16
		PM _{2.5}	0.26	1.14
		VOC	0.20	0.89
		SO ₂	1.10	1.79
		H ₂ S	0.01	0.02
XF4150-60	Rheniformer Reactor Furnace (F-4150) (8)	NO _x	5.08	22.23
		CO	4.35	19.05
		PM	1.08	4.73
		PM ₁₀	1.03	4.50
		PM _{2.5}	1.00	4.40
		VOC	0.78	3.42
		SO ₂	4.26	6.92
		H ₂ S	0.05	0.07

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
XF4150-60	Rheniformer Reactor Furnace (F-4160) (8)	NO _x	5.29	23.15
		CO	4.53	19.84
		PM	1.13	4.93
		PM ₁₀	1.07	4.68
		PM _{2.5}	1.05	4.58
		VOC	0.81	3.57
		SO ₂	4.44	7.20
		H ₂ S	0.05	0.08
XF4170-80	Rheniformer Reactor Furnace (F-4170) (8)	NO _x	7.28	31.89
		CO	4.90	21.46
		PM	1.04	4.57
		PM ₁₀	0.99	4.34
		PM _{2.5}	0.97	4.25
		VOC	0.75	3.31
		SO ₂	4.12	6.68
		H ₂ S	0.04	0.07

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
XF4170-80	Rheniformer Reactor Furnace (F-4180) (8)	NO _x	2.24	9.79
		CO	1.51	6.59
		PM	0.32	1.40
		PM ₁₀	0.30	1.33
		PM _{2.5}	0.30	1.31
		VOC	0.23	1.02
		SO ₂	1.26	2.05
		H ₂ S	0.01	0.02
6	Boiler No. 1 (H-901) (8)	NO _x	21.46	94.00
		CO	6.41	28.05
		PM	1.36	5.97
		PM ₁₀	1.30	5.67
		PM _{2.5}	1.27	5.55
		VOC	0.99	4.32
		SO ₂	5.38	8.73
		H ₂ S	0.06	0.09

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
8	Boiler No. 3 (H-903) (8)	NO _x	10.81	47.35
		CO	6.10	26.73
		PM	1.30	5.69
		PM ₁₀	1.23	5.41
		PM _{2.5}	1.21	5.29
		VOC	0.94	4.12
		SO ₂	5.13	8.32
		H ₂ S	0.05	0.09
109	Vacuum Unit Heater (H-1601) (8)	NO _x	19.68	68.96
		CO	5.74	25.14
		PM	1.22	5.35
		PM ₁₀	1.16	5.08
		PM _{2.5}	1.14	4.98
		VOC	0.88	3.87
		SO ₂	4.82	7.82
		H ₂ S	0.05	0.08

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
125	Vacuum Preflash Heater (H-1101) (8)	NO _x	3.31	14.48
		CO	1.18	5.17
		PM	0.25	1.10
		PM ₁₀	0.24	1.04
		PM _{2.5}	0.23	1.02
		VOC	0.18	0.80
		SO ₂	0.99	1.61
		H ₂ S	0.01	0.02
K501-04	Relief Gas Compressors (8)	NO _x	7.11	31.15
		CO	11.25	49.28
		PM	2.18	9.55
		PM ₁₀	2.07	9.07
		PM _{2.5}	2.03	8.88
		VOC	1.80	7.88
		SO ₂	0.01	0.04
97	Fire Water Pump (8)	NO _x	7.25	0.77
		CO	1.56	0.16
		PM	0.51	0.05
		PM ₁₀	0.51	0.05
		PM _{2.5}	0.51	0.05
		VOC	0.59	0.06
		SO ₂	0.48	0.05

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
XH-103	CPS Crude Heater (H-103) (8)	NO _x	6.65	29.13
		CO	6.65	29.13
		PM	1.42	6.20
		PM ₁₀	1.34	5.89
		PM _{2.5}	1.32	5.77
		VOC	1.02	4.49
		SO ₂	5.32	8.99
		H ₂ S	0.06	0.10
XF3902	Plant 39 Furnace (8)	NO _x	1.44	6.33
		CO	1.44	6.33
		PM	0.31	1.35
		PM ₁₀	0.29	1.28
		PM _{2.5}	0.29	1.25
		VOC	0.22	0.97
		SO ₂	1.21	2.13
		H ₂ S	0.01	0.02
111	FCCU (8)	NO _x	74.41	75.04
		CO	58.88	91.36
		PM	24.00	91.98
		PM ₁₀	24.00	91.98
		PM _{2.5}	24.00	91.98
		VOC	3.57	14.39
		SO ₂	33.65	52.21
		H ₂ SO ₄	3.96	15.18
		HCN	8.71	33.37

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
PK-853	North Wastewater Collection and Treatment System Thermal Oxidizer (8)	NO _x	0.88	3.87
		CO	0.54	2.38
		PM	0.05	0.22
		PM ₁₀	0.05	0.22
		PM _{2.5}	0.05	0.22
		VOC	0.07	0.30
		SO ₂	0.07	0.31
		H ₂ 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
		Benzene	0.02	0.02
T-120	TK-120 (8)	VOC	1.43	2.12
		Benzene	0.01	0.01
T-135	TK-135 (8)	VOC	0.75	0.17
		Benzene	0.01	0.01
T-138	TK-138 (8)	VOC	1.76	4.18
		H ₂ S	0.02	0.06
T3601	TK-3601 (8)	VOC	0.80	2.49
		Benzene	0.01	0.03
41	TK-4114 (8)	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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
T4272	TK-4272 (8)	VOC	1.86	1.30
		Benzene	0.01	0.02
T4273	TK-4273 (8)	VOC	1.86	1.30
		Benzene	0.01	0.01
T-4274	TK-4274 (8)	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
		Benzene	0.01	0.03
T-804	TK-804 (8)	VOC	1.92	6.41
		Benzene	0.01	0.03
DEATANK	DEATANK (8)	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
D-3106	TK-3106 (8)	VOC	3.01	0.25
WAXCLD	DHT Wax Cloud Tank (8)	VOC	0.01	0.01
F-38	Plant 38 Piping Fugitives (5) (8)	VOC	2.52	11.03
		H ₂ S	0.01	0.01
F-39	Plant 39 Fugitives (5) (8)	VOC	4.60	20.14
		H ₂ S	0.02	0.08
		Benzene	0.01	0.01
F-16N	No. 6 Crude Unit Piping Fugitives (5) (8)	VOC	9.30	40.71
		H ₂ S	0.01	0.01
		Benzene	0.05	0.20

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
F-71-72	North 84 Plant Amine 1 and 2 Fugitives (5) (8)	VOC	1.00	4.37
		H ₂ S	0.01	0.01
F-10N	North Plant Utilities Fugitives (5) (8)	VOC	3.42	14.97
		H ₂ S	0.02	0.02
WWCTS	North API Separator Fugitives (5) (8)	VOC	1.82	7.93
		Benzene	0.02	0.02
		H ₂ S	<0.01	<0.01
		NH ₃	0.01	0.05
F-20N	North Isom Piping Fugitives (5) (8)	VOC	2.41	10.53
LE-FUG	LER Unit Fugitives (5) (8)	VOC	5.75	25.18
		Benzene	0.26	1.12
		H ₂ S	0.01	0.02
F-41	Rheniformer/NHT/LSR Splitter Fugitives (5) (8)	VOC	5.08	22.27
		Benzene	0.12	0.54
		H ₂ S	0.01	0.02
TNK-FUG	Tank Field Piping Fugitives (5) (8)	VOC	1.65	7.24
		Benzene	0.02	0.09
		H ₂ S	<0.01	<0.01
F-8	South Poly Plant Fugitives (5) (8)	VOC	3.20	14.00
		Benzene	0.15	0.62
		H ₂ S	0.01	0.01
F-9	Jet Fuel Treating Fugitives (5) (8)	VOC	1.04	4.54
F-5	Alkylation Fugitives (5) (8)	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
		Benzene	0.01	0.01
F-23	South Utilities Fugitives (5) (8)	VOC	2.79	12.18
		H ₂ S	0.01	0.01
F-19	Butamer Fugitives (5) (8)	VOC	3.21	14.06

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
F-11	FCCU Fugitives (5) (8)	VOC	8.69	38.04
		H ₂ S	0.01	0.02
		Benzene	0.10	0.41
F-1/2	CPS/DCU Fugitives (5) (8)	VOC	5.86	25.66
		H ₂ S	0.05	0.23
		Benzene	0.03	0.13
F-22	Merox III Fugitives (5) (8)	VOC	0.89	3.87
		Benzene	0.01	0.05
F-10 SP	Naphtha Merox Fugitives (5) (8)	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
		H ₂ S	<0.01	<0.01
FUG	Terminal Fugitives (5) (8)	VOC	<0.01	<0.01
		Benzene	<0.01	<0.01
		H ₂ S	<0.01	<0.01
F-84	Amine Unit 1 and 2 Fugitives (5) (8)	VOC	0.96	4.19
		H ₂ 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 ₁₀	0.31	1.37
		PM _{2.5}	<0.01	<0.01
		Benzene	0.01	0.01
F-14-7	7 Cooling Tower (5) (8)	VOC	0.34	1.47
		PM	4.81	21.05
		PM ₁₀	1.35	5.90
		PM _{2.5}	<0.01	0.04
		Benzene	0.01	0.01
F-14-8	8 Cooling Tower (5) (8)	VOC	1.09	4.76

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		PM	15.54	68.06
		PM ₁₀	4.35	19.07
		PM _{2.5}	0.03	0.12
		Benzene	0.01	0.01
F-14-9	9 Cooling Tower (5) (8)	VOC	0.48	2.11
		PM	0.69	3.01
		PM ₁₀	0.19	0.84
		PM _{2.5}	<0.01	<0.01
		Benzene	0.01	0.01
F-21	Alky Cooling Tower (5) (8)	VOC	0.79	3.44
		PM	1.12	4.93
		PM ₁₀	0.32	1.38
		PM _{2.5}	<0.01	<0.01
		Benzene	0.01	0.01
F-7	Main Cooling Tower (5) (8)	VOC	0.96	4.21
		PM	13.73	60.16
		PM ₁₀	3.85	16.86
		PM _{2.5}	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 ₂ S	0.01	0.01
		NH ₃	0.01	0.04
		Benzene	<0.01	0.01
98	South API Oil Water Separator (8)	VOC	0.01	0.03
		H ₂ S	0.16	0.68
		NH ₃	0.01	0.06
		Benzene	<0.01	0.01
RHENSCRUB	Rheniformer Catalyst Regeneration	HCl	0.09	0.02
		NO _x	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		CO	0.12	<0.01
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
PK-855	New North WWCTS Carbon Canister (8)	VOC	0.25	1.10
		Benzene	<0.01	0.01
		H ₂ S	0.01	0.04
		NH ₃	0.03	0.14
Compliance Caps - Final (5)(8)		NOx	173.42	446.82
		PM	32.80	96.79
		PM ₁₀	32.48	96.53
		PM _{2.5}	32.22	95.69
		VOC	106.55	480.61
		Benzene	0.89	1.85
Individual Emission Rate Limits				
D-2914	Relief Gas North Main Flare (6)	VOC	9.86	-
		NO _x	18.48	-
		CO	46.20	-
		SO ₂	72.90	-
		H ₂ S	0.77	-
R-2911	Rheniformer Flare (6)	VOC	7.46	-
		NO _x	18.72	-
		CO	48.78	-
		SO ₂	0.01	-
		H ₂ S	0.77	-

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			lbs/hour	TPY (4)
D-2914/R-2911	North Main Flare/ Rheniformer Flare (6)	VOC	-	0.40
		NO _x	-	3.51
		CO	-	16.24
		SO ₂	-	0.47
		H ₂ S	-	0.01
112	Plant Emergency/AAG/Main South Flare (7)	VOC	0.43	1.90
		NO _x	0.05	0.23
		CO	0.24	1.03
		SO ₂	0.01	0.01
XF8801/2	Steam Reformer Heater F- 8801 Steam Reformer Heater F-8802	VOC	0.70	2.61
		NO _x	4.52	16.96
		CO	4.52	16.96
		PM	0.96	3.61
		PM ₁₀	0.91	3.43
		PM _{2.5}	0.89	3.36
		SO ₂	3.81	1.92
		H ₂ S	0.04	0.02
H2FUG	Hydrogen Plant Fugitives (5)	CO	0.01	0.06
		VOC	0.04	0.18
		H ₂ S	0.01	0.01
XF4301	Reformate Splitter Reboiler Heater	VOC	0.24	0.99
		NO _x	1.58	6.44
		CO	1.58	6.44
		PM	0.34	1.37
		PM ₁₀	0.32	1.30
		PM _{2.5}	0.31	1.27
		SO ₂	1.21	1.97
		H ₂ S	0.01	0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Planned Maintenance, Startup, and Shutdown Emission Rate Limits				
MSS CAP	Sitewide MSS Sources Excluding Flares	VOC	137.13	10.00
		NO _x	2.38	9.98
		CO	208.65	11.00
		SO ₂	21.17	0.93
		PM	52.21	4.20
		PM ₁₀	52.21	4.20
		PM _{2.5}	52.21	4.20
		H ₂ S	0.31	0.01
D-2914/R-2911	North Flares [Including North Relief Gas Flare (EPN D-2914) and Rheniformer Flare (EPN R-2911)]	VOC	92.90	0.90
		NO _x	41.24	9.81
		CO	164.24	30.55
		SO ₂	587.61	5.66
		H ₂ S	6.24	0.06
112	South Main Flare (MSS)	VOC	579.60	10.16
		NO _x	48.38	3.25
		CO	271.50	12.96
		SO ₂	1,471.87	23.27
		H ₂ S	15.64	0.25

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
XF4301	Heater Start-Up	VOC	0.24	1.00
		NO _x	2.75	0.13
		CO	15.87	0.76
		PM	0.34	1.38
		PM ₁₀	0.34	1.38
		PM _{2.5}	0.34	1.38
		SO ₂	1.21	1.97
		H ₂ S	0.01	0.02
F-90	MSAT Plant Fugitives	VOC	8.50	37.24
		Benzene	0.35	1.52
F-90MSS	Planned Routine MSS	VOC	351.75	3.67
		PM	0.02	0.02
		PM ₁₀	0.02	0.02
		PM _{2.5}	0.02	0.02
D-2914/R-2911	North Main Flare/ Rheniformer Flare – MSAT (9)	VOC	70.67	0.57
		NO _x	6.99	0.10
		CO	50.48	0.72
		SO ₂	0.01	0.01
		H ₂ S	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
XF1013	Boiler F-1013	VOC	1.21	5.28
		NO _x	2.87	12.57
		CO	10.04	43.99
		PM	2.45	8.13
		PM ₁₀	2.37	7.80
		PM _{2.5}	2.34	7.67
		SO ₂	7.58	12.28
		H ₂ S	0.08	0.14
		H ₂ SO ₄	0.70	1.13
		TRS	0.30	0.50
		NH ₃	1.29	5.66
XF1013MSS	Boiler F-1013 MSS	NO _x	34.43	1.65
		CO	200.86	9.64
XF1012	Boiler F-1012	VOC	0.49	2.13
		NO _x	0.90	3.94
		CO	3.15	13.80
		PM	0.67	2.94
		PM ₁₀	0.64	2.79
		PM _{2.5}	0.62	2.73
		SO ₂	0.05	0.23
		H ₂ S	<0.01	<0.01
		NH ₃	0.41	1.77
F-25_SPB	South Cat Gas Hydrotreater Fugitives	VOC	0.01	0.04
		H ₂ S	<0.01	<0.01
		Benzene	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
CT-CDU6	No. 6 Crude Unit Auxiliary Cooling Tower	VOC	0.72	3.15
		PM	0.06	0.26
		PM ₁₀	0.02	0.07
		PM _{2.5}	<0.01	<0.01
		Benzene	0.01	0.01
CT-5301	Marketing Terminal Cooling Tower	VOC	0.14	0.59
		PM	0.01	0.05
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
		Benzene	0.01	0.01
NCMSSNCDU	North Crude Expansion Units MSS – NCDU	VOC	1.10	0.01
NCMSSCPS	North Crude Expansion Units MSS – CPS	VOC	0.12	<0.01
NCMSSLER	North Crude Expansion Units MSS – LER	VOC	0.69	<0.01
NCMSSGP	North Crude Expansion Units MSS – SGT	VOC	0.13	<0.01
NCMSSALKY	North Crude Expansion Units MSS – ALKY	VOC	15.78	0.08
F-25	Aux Alky Cooling Tower #1	VOC	0.15	0.66
		PM	0.05	0.24
		PM ₁₀	0.02	0.07
		PM _{2.5}	<0.01	<0.01
		Benzene	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
F-26	Aux Alky Cooling Tower #2	VOC	0.15	0.66
		PM	0.05	0.24
		PM ₁₀	0.02	0.07
		PM _{2.5}	<0.01	<0.01
		Benzene	0.01	0.01
F-27	Aux Alky Cooling Tower #3	VOC	0.15	0.66
		PM	0.05	0.24
		PM ₁₀	0.02	0.07
		PM _{2.5}	<0.01	<0.01
		Benzene	0.01	0.01

- (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 Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrochloric acid
H₂S - hydrogen sulfide
H₂SO₄ - sulfuric acid
NH₃ - ammonia
HCN - hydrogen cyanide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(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: February 28, 2020