

Emission Sources - Maximum Allowable Emission Rates

Permit Number 22690 and PSDTX751M1

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)
22-36-1	22 Cracking Furnace 1	CO	37.48	29.74
		NO _x	15.60	16.99
		PM	0.97	3.17
		PM ₁₀	0.97	3.17
		PM _{2.5}	0.97	3.17
		SO ₂	4.33	7.48
		VOC	0.70	2.29
22-36-2	22 Cracking Furnace 2	CO	37.48	29.74
		NO _x	15.60	16.99
		PM	0.97	3.17
		PM ₁₀	0.97	3.17
		PM _{2.5}	0.97	3.17
		SO ₂	4.33	7.48
		VOC	0.70	2.29
22-36-3	22 Cracking Furnace 3	CO	37.48	29.74
		NO _x	15.60	16.99
		PM	0.97	3.17
		PM ₁₀	0.97	3.17
		PM _{2.5}	0.97	3.17
		SO ₂	4.33	7.48
		VOC	0.70	2.29
22-36-4	22 Cracking Furnace 4	CO	37.48	29.74
		NO _x	15.60	16.99
		PM	0.97	3.17
		PM ₁₀	0.97	3.17
		PM _{2.5}	0.97	3.17
		SO ₂	4.33	7.48
		VOC	0.70	2.29

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22-36-5	22 Cracking Furnace 5	CO	37.48	29.74
		NO _x	15.60	16.99
		PM	0.97	3.17
		PM ₁₀	0.97	3.17
		PM _{2.5}	0.97	3.17
		SO ₂	4.33	7.48
		VOC	0.70	2.29
22-36-6	22 Cracking Furnace 6	CO	37.48	29.74
		NO _x	15.60	16.99
		PM	0.97	3.17
		PM ₁₀	0.97	3.17
		PM _{2.5}	0.97	3.17
		SO ₂	4.33	7.48
		VOC	0.70	2.29
22-36-7	22 Cracking Furnace 7	CO	37.48	29.74
		NO _x	15.60	16.99
		PM	0.97	3.17
		PM ₁₀	0.97	3.17
		PM _{2.5}	0.97	3.17
		SO ₂	4.33	7.48
		VOC	0.70	2.29
22-36-8	22 Furnace Cracking 8	CO	37.48	29.74
		NO _x	15.60	16.99
		PM	0.97	3.17
		PM ₁₀	0.97	3.17
		PM _{2.5}	0.97	3.17
		SO ₂	4.33	7.48
		VOC	0.70	2.29

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24-36-1	24 Cracking Furnace 1 (2 stacks)	CO	72.08	76.65
		NO _x	30.00	87.60
		PM	1.86	8.16
		PM ₁₀	1.86	8.16
		PM _{2.5}	1.86	8.16
		SO ₂	7.82	18.11
		VOC	1.35	5.90
24-36-2	24 Cracking Furnace 2 (2 stacks)	CO	72.08	76.65
		NO _x	30.00	87.60
		PM	1.86	8.16
		PM ₁₀	1.86	8.16
		PM _{2.5}	1.86	8.16
		SO ₂	7.82	18.11
		VOC	1.35	5.90
24-36-3	24 Cracking Furnace 3 (2 stacks)	CO	72.08	76.65
		NO _x	30.00	87.60
		PM	1.86	8.16
		PM ₁₀	1.86	8.16
		PM _{2.5}	1.86	8.16
		SO ₂	7.82	18.11
		VOC	1.35	5.90
24-36-4	24 Cracking Furnace 4 (2 stacks)	CO	72.08	76.65
		NO _x	30.00	87.60
		PM	1.86	8.16
		PM ₁₀	1.86	8.16
		PM _{2.5}	1.86	8.16
		SO ₂	7.82	18.11
		VOC	1.35	5.90

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24-36-5	24 Cracking Furnace 5 (2 stacks)	CO	72.08	76.65
		NO _x	30.00	87.60
		PM	1.86	8.16
		PM ₁₀	1.86	8.16
		PM _{2.5}	1.86	8.16
		SO ₂	7.82	18.11
		VOC	1.35	5.90
24-36-6	24 Cracking Furnace 6 (2 stacks)	CO	72.08	76.65
		NO _x	30.00	87.60
		PM	1.86	8.16
		PM ₁₀	1.86	8.16
		PM _{2.5}	1.86	8.16
		SO ₂	7.82	18.11
		VOC	1.35	5.90
24-36-7	24 Steam Superheater 7	CO	63.72	67.76
		NO _x	26.52	96.80
		PM	1.65	7.21
		PM ₁₀	1.65	7.21
		PM _{2.5}	1.65	7.21
		SO ₂	6.92	16.01
		VOC	1.19	5.22
24-36-8	24 DAC Hydrotreater Heater 8	CO	0.98	1.08
		NO _x	0.57	2.23
		PM	0.02	0.10
		PM ₁₀	0.02	0.10
		PM _{2.5}	0.02	0.10
		SO ₂	0.09	0.19
		VOC	0.02	0.07

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24-36-9	24 Cracking Furnace 9	CO	97.17	103.32
		NO _x	40.44	118.08
		PM	2.51	11.00
		PM ₁₀	2.51	11.00
		PM _{2.5}	2.51	11.00
		SO ₂	10.55	24.41
		VOC	1.82	7.96
33-36-1	33 Cracking Furnace 1	CO (7)	93.71	97.81
		NO _x (7)	39.00	83.83
		PM	2.42	10.41
		PM ₁₀	2.42	10.41
		PM _{2.5}	2.42	10.41
		SO ₂ (7)	15.85	10.80
		VOC	1.75	7.53
33-36-2	33 Cracking Furnace 2	CO (7)	93.71	97.81
		NO _x (7)	39.00	83.83
		PM	2.42	10.41
		PM ₁₀	2.42	10.41
		PM _{2.5}	2.42	10.41
		SO ₂ (7)	15.85	10.80
		VOC	1.75	7.53
33-36-3	33 Cracking Furnace 3	CO (7)	93.71	97.81
		NO _x (7)	39.00	83.83
		PM	2.42	10.41
		PM ₁₀	2.42	10.41
		PM _{2.5}	2.42	10.41
		SO ₂ (7)	15.85	10.80
		VOC	1.75	7.53

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33-36-4	33 Cracking Furnace 4	CO (7)	93.71	97.81
		NO _x (7)	39.00	83.83
		PM	2.42	10.41
		PM ₁₀	2.42	10.41
		PM _{2.5}	2.42	10.41
		SO ₂ (7)	15.85	10.80
		VOC	1.75	7.53
33-36-5	33 Cracking Furnace 5	CO (7)	93.71	97.81
		NO _x (7)	39.00	83.83
		PM	2.42	10.41
		PM ₁₀	2.42	10.41
		PM _{2.5}	2.42	10.41
		SO ₂ (7)	15.85	10.80
		VOC	1.75	7.53
33-36-6	33 Cracking Furnace 6	CO (7)	93.71	97.81
		NO _x (7)	39.00	83.83
		PM	2.42	10.41
		PM ₁₀	2.42	10.41
		PM _{2.5}	2.42	10.41
		SO ₂ (7)	15.85	10.80
		VOC	1.75	7.53
33-36-7	33 Cracking Furnace 7	CO (7)	93.71	83.09
		NO _x (7)	39.00	71.22
		PM	2.42	8.84
		PM ₁₀	2.42	8.84
		PM _{2.5}	2.42	8.84
		SO ₂ (7)	15.85	9.17
		VOC	1.75	6.40

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33-36-8	33 Cracking Furnace 8	CO (7)	93.71	82.78
		NO _x (7)	39.00	70.96
		PM	2.42	8.81
		PM ₁₀	2.42	8.81
		PM _{2.5}	2.42	8.81
		SO ₂ (7)	15.85	9.14
		VOC	1.75	6.38
33-36-9	33 Cracking Furnace 9	CO (7)	93.71	82.78
		NO _x (7)	39.00	70.96
		PM	2.42	8.81
		PM ₁₀	2.42	8.81
		PM _{2.5}	2.42	8.81
		SO ₂ (7)	15.85	9.14
		VOC	1.75	6.38
33-36-10	33 Cracking Furnace 10	CO	93.90	37.60
		NH ₃	1.50	4.78
		NO _x	19.50	17.08
		PM	2.42	8.49
		PM ₁₀	2.42	8.49
		PM _{2.5}	2.42	8.49
		SO ₂	8.65	8.04
		VOC	1.75	6.14
56-61-4	Unit 10D/18 Process Flare (Flare #4)	CO	20.14	17.07
		H ₂ S	0.01	0.05
		NO _x	3.95	3.35
		SO ₂	0.97	4.27
		VOC	20.32	2.66
56-61-8	Unit 10, 12 Low-Pressure Flare (Flare #8)	CO	41.99	24.04
		H ₂ S	0.02	0.09
		NO _x	5.91	3.77
		SO ₂	2.26	9.81
		VOC	20.29	17.86

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56-61-9	Unit 10, 12 High-Pressure Flare (Flare #9)	CO	0.08	0.35
		H ₂ S	<0.01	<0.01
		NO _x	0.02	0.07
		SO ₂	0.02	0.07
		VOC	<0.01	0.03
56-61-10	Unit 21, 22 Low-Pressure Flare (Flare #10)	CO	12.90	20.97
		H ₂ S	<0.01	<0.01
		NO _x	2.53	4.11
		SO ₂	7.41	0.86
		VOC	10.59	8.71
56-61-12	Unit 22 High-Pressure Flare (Flare #12)	CO	0.34	1.48
		H ₂ S	<0.01	<0.01
		NO _x	0.07	0.29
		SO ₂	0.07	0.31
		VOC	0.03	0.14
56-61-14	Unit 24 High-Pressure Flare (Flare #14)	CO	0.99	4.33
		H ₂ S	<0.01	<0.01
		NO _x	0.12	0.50
		SO ₂	0.13	0.58
		VOC	0.06	0.26
56-61-20	Unit 24 Low-Pressure Flare (Flare #20)	CO	68.67	79.11
		H ₂ S	0.04	0.17
		NO _x	32.79	32.59
		SO ₂	10.79	15.75
		VOC	25.80	22.77
56-61-22	Unit 33 Process Flare (Flare #22)	CO (7)	32.17	61.42
		H ₂ S	<0.01	0.03
		NO _x (7)	6.31	12.05
		SO ₂ (7)	7.84	3.76
		VOC	20.67	9.71
54-22-5	Unit 12 Cooling Tower (CT-5)	PM	1.62	7.10
		PM ₁₀	1.59	6.96
		PM _{2.5}	0.36	1.57
		VOC	1.70	2.13
54-22-6	Unit 10ABC Cooling Tower (CT-6)	PM	1.24	5.42

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		PM ₁₀	1.21	5.31
		PM _{2.5}	0.27	1.20
		VOC	1.30	1.62
54-22-7	Unit 10ABC Cooling Tower (CT-7)	PM	1.56	6.85
		PM ₁₀	1.53	6.72
		PM _{2.5}	0.35	1.52
		VOC	1.64	2.05
54-22-9	Unit 10D/18 Cooling Tower (CT-9)	PM	1.40	6.15
		PM ₁₀	1.38	6.02
		PM _{2.5}	0.31	1.36
		VOC	1.47	1.84
54-22-12	Unit 21/22 Cooling Tower (CT-12)	PM	2.32	10.17
		PM ₁₀	2.28	9.97
		PM _{2.5}	0.51	2.25
		VOC	2.44	3.05
54-22-13	Unit 24 Cooling Tower (CT-13)	PM	3.17	13.89
		PM ₁₀	3.11	13.62
		PM _{2.5}	0.70	3.07
		VOC	3.33	4.16
54-22-17	Unit 33 Cooling Tower (CT-17)	PM	5.82	25.49
		PM ₁₀	5.71	24.99
		PM _{2.5}	1.29	5.64
		VOC	6.11	7.64
10.1-0-0	Unit 10AC Process Fugitives (5)	VOC	4.96	21.73
		Benzene (8)	<0.01	0.04
10.2-0-0	Unit 10D Process Fugitives (5)	VOC	2.48	10.85
		Benzene (8)	<0.01	0.01
10.3-0-0	Unit 10B Process Fugitives (5)	VOC	1.12	4.92
		Benzene (8)	<0.01	<0.01
12-0-0	Unit 12 Process Fugitives (5)	VOC	1.88	8.25
		Benzene (8)	0.11	0.48
18-0-0	Unit 18 Process Fugitives (5)	VOC	1.59	6.98
21-0-0	Unit 21 Process Fugitives (5)	VOC	0.84	3.66
		Benzene (8)	<0.01	0.02
22-0-0	Unit 22 Process Fugitives (5)	VOC	10.81	47.33

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		Benzene (8)	0.13	0.57
24-0-0	Unit 24 Process Fugitives (5)	VOC	19.6	85.83
		Benzene (8)	0.21	0.90
24.1-0-0	Unit 24.1 Process Fugitives (5)	VOC	2.88	12.62
		Benzene (8)	0.96	4.20
33-0-0	Unit 33 Process Fugitives (5)(6)	VOC	18.27	80.04
		Benzene (8)	0.33	1.43
33.1-0-0	U33 F-10 Fugitives (5)	NH ₃	0.21	0.91
		VOC	0.12	0.51
		Benzene (8)	0.01	0.02
68.1-0-0	West Pipe Rack Fugitives (5)	VOC	0.49	2.14
		Benzene (8)	0.16	0.71
24-95-314	Methanol Storage Tank	VOC	3.31	0.08
33-95-10	Methanol Storage Tank	VOC	3.31	0.08
33-95-14	TBC Storage Tank	VOC	0.03	<0.01
10-95-328	D-328 Seal Oil Reservoir	VOC	0.01	0.05
10-95-357	D-357 Lube/Seal Oil Reservoir	VOC	0.01	0.05
18-95-54	D-54 Lube/Seal Oil Reservoir	VOC	0.01	0.05
21-95-120	D-120 Lube/Seal Oil Reservoir	VOC	0.01	0.05
22-95-100	D-100 Lube Oil Reservoir	VOC	0.01	0.05
22-95-101	D-101 Lube Oil Reservoir	VOC	0.01	0.05
22-95-120	D-120 Lube/Seal Oil Reservoir	VOC	0.01	0.05
22-95-130	D-130 Lube/Seal Oil Reservoir	VOC	0.01	0.05
24-95-304	D-304 Lube/Seal Oil Reservoir	VOC	0.01	0.05
24-95-305	D-305 Lube/Seal Oil Reservoir	VOC	0.01	0.05
24-95-306	D-306 Lube/Seal Oil Reservoir	VOC	0.01	0.05
24-95-307	D-307 Seal Oil Reservoir	VOC	0.01	0.05
33-95-15	D-15 Lube/Seal Oil Reservoir	VOC	0.01	0.05
33-95-17	D-17 Lube/Seal Oil Reservoir	VOC	0.01	0.05
33-95-19	D-19 Lube/Seal Oil Reservoir	VOC	0.01	0.05
33-95-390	D-390 Seal Oil Reservoir	VOC	0.01	0.05
33-95-392	D-392 Seal Oil Reservoir	VOC	0.01	0.05
33-95-394	D-394 Seal Oil Reservoir	VOC	0.01	0.05
10-95-3572	D-357 LO Res. - 2nd Vent	VOC	0.01	0.05
10-95-357A	D-357A Degassing Chamber	VOC	0.01	0.05

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24-95-319	D-319 Lube/Seal Oil Reservoir	VOC	0.01	0.05
24-95-320	D-320 Lube/Seal Oil Reservoir	VOC	0.01	0.05
24-95-321	D-321 Lube/Seal Oil Reservoir	VOC	0.01	0.05
10.1-SUMP1	10.1 Oily Water Sewer Sump	VOC	0.03	<0.01
12-SUMP1	12 Oily Water Sewer Sump	VOC	0.02	<0.01
21/22-SUMP1	21/22 Oily Water Sewer Sump	VOC	0.01	<0.01
24-SUMP2	24 Ethylene Sodium Hydroxide Sump	VOC	<0.01	0.01
24-SUMP3	24 Oily Water Sewer Sump	VOC	<0.01	0.01
33-SUMP1	33 Sodium Hydroxide Sump	VOC	<0.01	0.03
33-SUMP2	33 Water Sludge Pit	VOC	<0.01	<0.01
33-SUMP3	33 Oily Water Sewer Sump	VOC	0.01	<0.01
33-SUMP4	33 Blowdown Drum Sump	VOC	<0.01	<0.01
22-95-27	C-120 Propylene Compressor Turbine	CO	12.05	52.77
		NO _x	36.83	161.30
		PM	0.84	3.70
		PM ₁₀	0.84	3.70
		PM _{2.5}	0.84	3.70
		SO ₂	0.44	1.91
		VOC	1.41	6.17
10ABC-AV	Unit 10ABC Analyzer Vents	VOC	<0.01	<0.01
10D-AV	Unit 10D Analyzer Vents	VOC	<0.01	<0.01
12-AV	Unit 12 Analyzer Vents	VOC	<0.01	<0.01
18-AV	Unit 18 Analyzer Vents	VOC	<0.01	<0.01
21-AV	Unit 21 Analyzer Vents	VOC	<0.01	<0.01
22-AV	Unit 22 Analyzer Vents	VOC	<0.01	<0.01
24-AV	Unit 24 Analyzer Vents	VOC	<0.01	<0.01
33-AV	Unit 33 Analyzer Vents	VOC	0.16	0.70

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Caps			
Emission Point Nos. (1)	Air Contaminant Name (3)	Emission Rates	
		lbs/hour	TPY (4)
EPNs: 22-36-1, 22-36-2, 22-36-3, 22-36-4, 22-36-5, 22-36-6, 22-36-7, 22-36-8, 24-36-1, 24-36-2, 24-36-3, 24-36-4, 24-36-5, 24-36-6, 24-36-7, 24-36-8, 24-36-9, 33-36-1, 33-36-2, 33-36-3, 33-36-4, 33-36-5, 33-36-6, 33-36-7, 33-36-8, 33-36-9, 56-61-10, 56-61-12, 56-61-14, 56-61-20, 56-61-22	CO	478.74	2058.44
EPNs: 56-61-4, 56-61-8, 56-61-9	CO	63.13	40.89
	NO _x	12.39	8.00
EPNs: 56-61-4, 56-61-8, 56-61-9, 56-61-10, 56-61-12, 56-61-14, 56-61-20, 56-61-22	H ₂ S	0.06	0.26
EPNs: 22-36-1, 22-36-2, 22-36-3, 22-36-4, 22-36-5, 22-36-6, 22-36-7, 22-36-8, 24-36-1, 24-36-2, 24-36-3, 24-36-4, 24-36-5, 24-36-6, 24-36-7, 24-36-8, 24-36-9, 33-36-1, 33-36-2, 33-36-3, 33-36-4, 33-36-5, 33-36-6, 33-36-7, 33-36-8, 33-36-9, 56-61-10, 56-61-12, 56-61-14, 56-61-20, 56-61-22, 22-95-27	NO _x	436.25	1896.24
EPNs: 54-22-5, 54-22-6, 54-22-7, 54-22-9, 54-22-12, 54-22-13, 54-22-17	PM	27.16	118.97
EPNs: 22-36-1, 22-36-2, 22-36-3, 22-36-4, 22-36-5, 22-36-6, 22-36-7, 22-36-8, 24-36-1, 24-36-2, 24-36-3, 24-36-4, 24-36-5, 24-36-6, 24-36-7, 24-36-8, 24-36-9, 33-36-1, 33-36-2, 33-36-3, 33-36-4, 33-36-5, 33-36-6, 33-36-7, 33-36-8, 33-36-9	PM ₁₀	41.44	181.52
EPNs: 22-36-1, 22-36-2, 22-36-3, 22-36-4, 22-36-5, 22-36-6, 22-36-7, 22-36-8, 24-36-1, 24-36-2, 24-36-3, 24-36-4, 24-36-5, 24-36-6, 24-36-7, 24-36-8, 24-36-9, 33-36-1, 33-36-2, 33-36-3, 33-36-4, 33-36-5, 33-36-6, 33-36-7, 33-36-8, 33-36-9	SO ₂	223.95	374.53
EPNs: 56-61-4, 56-61-8, 56-61-9, 56-61-10, 56-61-12, 56-61-14, 56-61-20, 56-61-22	SO ₂	18.05	24.72
EPNs: 22-36-1, 22-36-2, 22-36-3, 22-36-4, 22-36-5, 22-36-6, 22-36-7, 22-36-8, 24-36-1, 24-36-2, 24-36-3, 24-36-4, 24-36-5, 24-36-6, 24-36-7, 24-36-8, 24-36-9, 33-36-1, 33-36-2, 33-36-3, 33-36-4, 33-36-5, 33-36-6, 33-36-7, 33-36-8, 33-36-9, 56-61-4, 56-61-8, 56-61-9, 56-61-10, 56-61-12, 56-61-14, 56-61-20, 56-61-22, 54-22-5, 54-22-6, 54-22-7, 54-22-9, 54-22-12, 54-22-13, 54-22-17, 10.1-0-0, 10.2-0-0, 10.3-0-0, 12-0-0, 18-0-0, 21-0-0, 22-0-0, 24-0-	VOC	127.95	494.24

Emission Sources - Maximum Allowable Emission Rates

0, 24.1-0-0, 33-0-0, 24-95-314, 33-95-10, 33-95-14, 10-95-328, 10-95-357, 18-95-54, 21-95-120, 22-95-120, 22-95-130, 22-95-101, 22-95-100, 24-95-304, 24-95-305, 24-95-306, 24-95-307, 33-95-15, 33-95-17, 33-95-19, 33-95-390, 33-95-392, 33-95-394, 10-95-3572, 10-95-357A, 24-95-319, 24-95-320, 24-95-321, 10.1-SUMP1, 12-SUMP1, 21/22-SUMP1, 24-SUMP2, 24-SUMP3, 33-SUMP1, 33-SUMP2, 33-SUMP3, 33-SUMP4, 10ABC-AV, 10D-AV, 12-AV, 18-AV, 21-AV, 22-AV, 24-AV, 33-AV, 68.1-0-0			
EPNs: 10.1-0-0, 10.2-0-0, 10.3-0-0, 12-0-0, 21-0-0, 22-0-0, 24-0-0, 24.1-0-0, 33-0-0, 68.1-0-0	Benzene (8)	1.74	7.60

Emission Sources - Maximum Allowable Emission Rates

Planned Maintenance, Startup, and Shutdown (MSS) Caps				
Emission Point Nos. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Decoking Equipment MSS 22-95-3, 22-95-3A, 22-95-3B, and 22-95-3C 24-95-300 33-95-376 and 33-95-376A	U22 Decoke U24 Decoke U33 Decoke	CO CO CO		
	Emission Cap for the EPNs Listed Above	CO	792.82	89.86
Flare System MSS 56-61-4 56-61-8 56-61-9 56-61-10 56-61-12 56-61-14 56-61-20 56-61-22	Unit 10D/18 Process Flare 4 Unit 10, 12 Low-Pressure Flare 8 Unit 10, 12 High-Pressure Flare 9 Unit 21, 22 Low-Pressure Flare 10 Unit 22 High-Pressure Flare 12 Unit 24 High-Pressure Flare 14 Unit 24 Low-Pressure Flare 20 Unit 33 Process Flare 22	CO CO CO CO CO CO CO CO		
	Emission Cap for the EPNs Listed Above	CO	7505.60	137.12
Flare System MSS 56-61-4 56-61-8 56-61-9 56-61-10 56-61-12 56-61-14 56-61-20 56-61-22	Unit 10D/18 Process Flare 4 Unit 10, 12 Low-Pressure Flare 8 Unit 10, 12 High-Pressure Flare 9 Unit 21, 22 Low-Pressure Flare 10 Unit 22 High-Pressure Flare 12 Unit 24 High-Pressure Flare 14 Unit 24 Low-Pressure Flare 20 Unit 33 Process Flare 22	NO _x NO _x NO _x NO _x NO _x NO _x NO _x NO _x		
	Emission Cap for the EPNs Listed Above	NO_x	1513.37	28.82
MSS 22-95-3, 22-95-3A, 22-95-3B, and 22-95-3C 24-95-300 33-95-376 and 33-95-376A CPC-ABLAST CPC-PAINT Catalyst	U22 Decoke U24 Decoke U33 Decoke Abrasive Blasting Painting Catalyst Handling	PM PM PM PM PM PM		
	Emission Cap for the EPNs Listed Above	PM	621.98	67.66

Emission Sources - Maximum Allowable Emission Rates

MSS 56-61-4 56-61-8 56-61-9 56-61-10 56-61-12 56-61-14 56-61-20 56-61-22 CPC-Paint MSSATM	Unit 10D/18 Process Flare 4 Unit 10, 12 Low-Pressure Flare 8 Unit 10, 12 High-Pressure Flare 9 Unit 21, 22 Low-Pressure Flare 10 Unit 22 High-Pressure Flare 12 Unit 24 High-Pressure Flare 14 Unit 24 Low-Pressure Flare 20 Unit 33 Process Flare 22 Painting Atmospheric Venting/Purging (See Attachment B for a list of activities)	VOC VOC VOC VOC VOC VOC VOC VOC VOC VOC		
	Emission Cap for the EPNs Listed Above	VOC	5247.80	124.41
MSS 56-61-4 56-61-8 56-61-9 56-61-10 56-61-12 56-61-14 56-61-20 56-61-22 MSSATM	Unit 10D/18 Process Flare 4 Unit 10, 12 Low-Pressure Flare 8 Unit 10, 12 High-Pressure Flare 9 Unit 21, 22 Low-Pressure Flare 10 Unit 22 High-Pressure Flare 12 Unit 24 High-Pressure Flare 14 Unit 24 Low-Pressure Flare 20 Unit 33 Process Flare 22 Atmospheric Venting/Purging (See Attachment B for a list of activities)	Benzene Benzene Benzene Benzene Benzene Benzene Benzene Benzene Benzene		
	Emission Cap for the EPNs Listed Above	Benzene	176.72	2.88

- (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)
 - CO - carbon monoxide
 - H₂S - hydrogen sulfide
 - NH₃ - ammonia
 - NO_x - total oxides of nitrogen
 - 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
 - SO₂ - sulfur dioxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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) Excluding fugitives associated with Furnace 10.
- (7) This pollutant is also covered by Permit No. PSDTX751M1.
- (8) Benzene emissions are included in the VOC emissions limit.

Date: November 1, 2017