Permit Numbers 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	Rates
(±)		Name (3)	lbs/hour	TPY (4)
CO Sources				
Ethylene Unit 22				
22-36-1	22 Furnace 1	CO		
22-36-2	22 Furnace 2	CO		
22-36-3	22 Furnace 3	CO		
22-36-4	22 Furnace 4	CO		
22-36-5	22 Furnace 5	CO		
22-36-6	22 Furnace 6	CO		
22-36-7	22 Furnace 7	СО		
22-36-8	22 Furnace 8	СО		
Ethylene Unit 24				
24-36-1	24 Furnace 1	CO		
24-36-2	24 Furnace 2	CO		
24-36-3	24 Furnace 3	CO		
24-36-4	24 Furnace 4	CO		
24-36-5	24 Furnace 5	CO		
24-36-6	24 Furnace 6	CO		
24-36-7	24 Steam Superheater 7	CO		
24-36-8	24 DAC Hydrotreater Heater 8	CO		
24-36-9	24 Furnace 9	СО		
Ethylene Unit 33				
33-36-1	33 Furnace 1	CO (6)		
33-36-2	33 Furnace 2	CO (6)		
33-36-3	33 Furnace 3	CO (6)		
33-36-4	33 Furnace 4	CO (6)		
33-36-5	33 Furnace 5	CO (6)		
33-36-6	33 Furnace 6	CO (6)		
33-36-7	33 Furnace 7	CO (6)		
33-36-8	33 Furnace 8	CO (6)		
33-36-9	33 Furnace 9	CO (6)		
Flare System				
56-61-10	Unit 21, 22 Low-Pressure Flare 10	СО		
56-61-12	Unit 22 High-Pressure Flare 12	СО		
56-61-14	Unit 24 High-Pressure Flare 14	СО		
56-61-20	Unit 24 Low-Pressure Flare 20	CO		
56-61-22	Unit 33 Process Flare 22	CO (6)		

	CO Emission Cap for the EPNs Listed Above	со	478.74	2058.44
Decoking				
Equipment MSS (9)				
22-95-3, 22-95-3A,	U22 Decoke	CO		
22-95-3B, and 22-				
95-3C	U24 Decoke	CO		
24-95-300	U33 Decoke	CO		
33-95-376 and				
33-95-376A				
	CO Emission Cap for the EPNs	СО	792.82	89.86
	Listed Above			33.33
Flare System				
56-61-4	Unit 10D/18 Process Flare 4	CO		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	CO		
56-61-9	Unit 10, 12 High-Pressure Flare 9	СО		
	CO Emission Cap for the EPNs Listed Above	СО	63.13	40.89
Elara System				
Flare System MSS (9)				
56-61-4	Unit 10D/18 Process Flare 4	СО		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	CO		
56-61-9	Unit 10, 12 Low-Fressure Flare 9	CO		
56-61-10	Unit 21, 22 Low-Pressure Flare 10	CO		
56-61-12	Unit 22 High-Pressure Flare 12	CO		
56-61-14	Unit 24 High-Pressure Flare 14	CO		
56-61-20	Unit 24 Low-Pressure Flare 20	CO		
56-61-22	Unit 33 Process Flare 22	CO		
	Emission Cap for the EPNs Listed			
	Above	СО	7505.60	137.12
H₂S Sources				
Flare System 56-61-4	Unit 10D/18 Process Flare 4	Цς		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	H₂S H₂S		
56-61-9	Unit 10, 12 Low-Pressure Flare 9	п₂S H₂S		
56-61-10	Unit 21, 22 Low-Pressure Flare 10	п₂S H₂S		
56-61-12	Unit 22 High-Pressure Flare 12	H₂S H₂S		
56-61-14	Unit 24 High-Pressure Flare 14	п₂S H₂S		
56-61-20	Unit 24 High-Pressure Flare 14 Unit 24 Low-Pressure Flare 20	H₂S H₂S		
56-61-22	Unit 33 Process Flare 22	п₂S H₂S		
		1120		
	Emission Cap for the EPNs Listed Above	H ₂ S	0.06	0.26

NO _x Sources				
Ethylene Unit 22				
22-36-1	22 Furnace 1	NO_X		
22-36-2	22 Furnace 2	NO_X		
22-36-3	22 Furnace 3	NO_X		
22-36-4	22 Furnace 4	NO _X		
22-36-5	22 Furnace 5	NO _x		
22-36-6	22 Furnace 6	NO _X		
22-36-7	22 Furnace 7	NO _X		
22-36-8	22 Furnace 8	NO _X		
22-95-27	Propylene Compressor Turbine	NO _x		
Ethylene Unit 24				
24-36-1	24 Furnace 1	NO_X		
24-36-2	24 Furnace 2	NO_X		
24-36-3	24 Furnace 3	NO _X		
24-36-4	24 Furnace 4	NO _X		
24-36-5	24 Furnace 5	NO _X		
24-36-6	24 Furnace 6	NO _X		
24-36-7	24 Steam Superheater 7	NO _X		
24-36-8	24 DAC Hydrotreater Heater 8	NO _X		
24-36-9	24 Furnace 9	NO _x		
Ethylene Unit 33				
33-36-1	33 Furnace 1	NO _x (6)		
33-36-2	33 Furnace 2	NO_{x} (6)		
33-36-3	33 Furnace 3	NO _x (6)		
33-36-4	33 Furnace 4	NO _x (6)		
33-36-5	33 Furnace 5	NO _x (6)		
33-36-6	33 Furnace 6	NO _x (6)		
33-36-7	33 Furnace 7	NO _x (6)		
33-36-8	33 Furnace 8	NO _x (6)		
33-36-9	33 Furnace 9	NO _x (6)		
Flare System				
56-61-10	Unit 21, 22 Low-Pressure Flare 10	NO_X		
56-61-12	Unit 22 High-Pressure Flare 12	NO _X		
56-61-14	Unit 24 High-Pressure Flare 14	NO_X		
56-61-20	Unit 24 Low-Pressure Flare 20	NO _X		
56-61-22	Unit 33 Process Flare 22	NO _x (6)		
	Emission Cap for the EPNs Listed Above	NO _x	436.25	1896.24
Flare System				
56-61-4	Unit 10D/18 Process Flare 4	NO_X		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	NO_X		
56-61-9	Unit 10, 12 High-Pressure Flare 9	NO _X		
	NO _x Emission Cap for the EPNs Listed Above	NO _x	12.39	8.00

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Flare System				
MSS (9)				
56-61-4	Unit 10D/18 Process Flare 4	NO_X		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	NO_X		
56-61-9	Unit 10, 12 High-Pressure Flare 9	NO_X		
56-61-10	Unit 21, 22 Low-Pressure Flare 10	NO_X		
56-61-12	Unit 22 High-Pressure Flare 12	NO_X		
56-61-14	Unit 24 High-Pressure Flare 14	NO_X		
56-61-20	Unit 24 Low-Pressure Flare 20	NO_X		
56-61-22	Unit 33 Process Flare 22	NO _X		
	Emission Cap for the EPNs Listed Above	NO _x	1513.37	28.82
PM/PM ₁₀ Source	ces			-
Cooling Towers				
54-22-5	Unit 12 Cooling Tower (CT-5)	PM		
54-22-6	Unit 10ABC Cooling Tower (CT-6)	PM		
54-22-7	Unit 10ABC Cooling Tower (CT-7)	PM		
54-22-9	Unit 10D/18 Cooling Tower (CT-9)	PM		
54-22-12	Unit 21/22 Cooling Tower (CT-12)	PM		
54-22-13	Unit 24 Cooling Tower (CT-13)	PM		
54-22-17	Unit 33 Cooling Tower (CT-17)	PM		
	Emission Cap for the EPNs Listed			
	Above	PM	27.16	118.97
Ethylene Unit 22				
22-36-1	22 Furnace 1	PM_{10}		
22-36-2	22 Furnace 2	PM ₁₀		
22-36-3	22 Furnace 3	PM ₁₀		
22-36-4	22 Furnace 4	PM ₁₀		
22-36-5	22 Furnace 5	PM ₁₀		
22-36-6	22 Furnace 6	PM ₁₀		
22-36-7	22 Furnace 7			
ZZ-30-1	TEE LUITIAGE 1			
		$PM_{10} \\ PM_{10}$		
22-36-8	22 Furnace 8	PM ₁₀		
	22 Furnace 8	PM ₁₀		
22-36-8 Ethylene Unit 24 24-36-1	22 Furnace 8 24 Furnace 1	PM ₁₀		
22-36-8 Ethylene Unit 24 24-36-1 24-36-2	22 Furnace 8 24 Furnace 1 24 Furnace 2	PM ₁₀ PM ₁₀ PM ₁₀		
22-36-8 Ethylene Unit 24 24-36-1 24-36-2 24-36-3	22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3	PM ₁₀ PM ₁₀ PM ₁₀ PM ₁₀		
22-36-8 Ethylene Unit 24 24-36-1 24-36-2 24-36-3 24-36-4	22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 4	PM ₁₀ PM ₁₀ PM ₁₀ PM ₁₀ PM ₁₀		
22-36-8 Ethylene Unit 24 24-36-1 24-36-2 24-36-3 24-36-4 24-36-5	22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 4 24 Furnace 5	PM ₁₀		
22-36-8 Ethylene Unit 24 24-36-1 24-36-2 24-36-3 24-36-4 24-36-5 24-36-6	22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 4 24 Furnace 5 24 Furnace 6	PM ₁₀		
22-36-8 Ethylene Unit 24 24-36-1 24-36-2 24-36-3 24-36-4 24-36-5 24-36-6 24-36-7	22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 4 24 Furnace 5 24 Furnace 6 24 Steam Superheater 7	PM ₁₀		
22-36-8 Ethylene Unit 24 24-36-1 24-36-2 24-36-3 24-36-4 24-36-5 24-36-6	22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 4 24 Furnace 5 24 Furnace 6	PM ₁₀		
22-36-8 Ethylene Unit 24 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	22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 4 24 Furnace 5 24 Furnace 6 24 Steam Superheater 7 24 DAC Hydrotreater Heater 8 24 Furnace 9	PM ₁₀		
22-36-8 Ethylene Unit 24 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 Ethylene Unit 33	22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 4 24 Furnace 5 24 Furnace 6 24 Steam Superheater 7 24 DAC Hydrotreater Heater 8	PM ₁₀		
22-36-8 Ethylene Unit 24 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	22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 4 24 Furnace 5 24 Furnace 6 24 Steam Superheater 7 24 DAC Hydrotreater Heater 8 24 Furnace 9	PM ₁₀		

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Emission Sources - Maximum Allowable Emission Rates

	Emission Cap for the EPNs Listed Above	РМ	621.98	67.66
Catalyst				
CPC-PAINT	Catalyst Handling	PM		
CPC-ABLAST	Painting	PM		
33-95-376A	Abrasive Blasting	PM		
33-95-376 and				
24-95-300	U33 Decoke	PM		
95-3C	U24 Decoke	PM		
22-95-3B, and 22				
	U22 Decoke	PM		
MSS (9)				
	Emission Cap for the EPNs Listed Above	PM ₁₀	41.44	181.52
33-36-9	33 Furnace 9	PM ₁₀ (6)		
33-36-8	33 Furnace 8	PM ₁₀ (6)		
33-36-7	33 Furnace 7	PM ₁₀ (6)		
33-36-6	33 Furnace 6	PM ₁₀ (6)		
33-36-5	33 Furnace 5	PM ₁₀ (6)		
33-36-4	33 Furnace 4	PM ₁₀ (6)		
33-36-3	33 Furnace 3	PM ₁₀ (6)		

SO₂ Sources			
Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8	22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6 22 Furnace 7 22 Furnace 8	SO ₂ SO ₂ SO ₂ SO ₂ SO ₂ SO ₂ SO ₂ SO ₂	
Ethylene Unit 24 24-36-1 24-36-2 24-36-3 24-36-4 24-36-5	24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 4 24 Furnace 5	SO ₂ SO ₂ SO ₂ SO ₂ SO ₂	

	T		1	
24-36-6	24 Furnace 6	SO_2		
24-36-7	24 Steam Superheater 7	SO_2		
24-36-8	24 DAC Hydrotreater Heater 8	SO_2		
24-36-9	24 Furnace 9	SO_2		
Ethylene Unit 33				
33-36-1	33 Furnace 1	SO ₂ (6)		
33-36-2	33 Furnace 2	SO ₂ (6)		
33-36-3	33 Furnace 3	SO ₂ (6)		
33-36-4	33 Furnace 4	SO ₂ (6)		
33-36-5	33 Furnace 5	SO ₂ (6)		
33-36-6	33 Furnace 6	SO ₂ (6)		
33-36-7	33 Furnace 7	SO ₂ (6)		
33-36-8	33 Furnace 8	SO ₂ (6)		
33-36-9	33 Furnace 9	SO ₂ (6)		
	Emission Cap for the EPNs Listed Above	SO ₂	223.95	374.53
Flare System				
56-61-4	Unit 10D/18 Process Flare 4	SO_2		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	SO ₂		
56-61-9	Unit 10, 12 High-Pressure Flare 9	SO ₂		
56-61-10	Unit 21, 22 Low-Pressure Flare 10	SO ₂		
56-61-12	Unit 22 High-Pressure Flare 12	SO ₂		
56-61-14	Unit 24 High-Pressure Flare 14	SO ₂		
30-01-1 4	Onit 24 riight ressure riale 14	30 2		
56-61-20	Unit 2/ Low-Pressure Flare 20	SO _o		
56-61-20 56-61-22	Unit 24 Low-Pressure Flare 20	SO ₂		
56-61-20 56-61-22	Unit 33 Process Flare 22	SO ₂ SO ₂ (6)		
			18.05	24.72
	Unit 33 Process Flare 22	SO ₂ (6)	18.05	24.72
VOC Sources	Unit 33 Process Flare 22	SO ₂ (6)	18.05	24.72
56-61-22	Unit 33 Process Flare 22	SO ₂ (6)	18.05	24.72
VOC Sources Ethylene Unit 22	Unit 33 Process Flare 22 Emission Cap for the EPNs Above	SO ₂ (6)	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1	SO₂ (6) SO₂ VOC	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2	SO ₂ (6) SO ₂ VOC	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3	SO ₂ (6) SO ₂ VOC VOC VOC	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4	SO ₂ (6) SO ₂ VOC VOC VOC VOC	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5	SO₂ (6) SO₂ VOC VOC VOC VOC VOC	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6	SO ₂ (6) SO ₂ VOC VOC VOC VOC VOC VOC VOC	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6 22 Furnace 7	SO₂ (6) SO₂ VOC VOC VOC VOC VOC VOC VOC VOC	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8 Ethylene Unit 24	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6 22 Furnace 7 22 Furnace 8	SO₂ (6) SO₂ VOC	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8 Ethylene Unit 24 24-36-1	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6 22 Furnace 7 22 Furnace 8	SO₂ (6) SO₂ VOC	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8 Ethylene Unit 24 24-36-1 24-36-2	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 5 22 Furnace 7 22 Furnace 7 22 Furnace 8	SO ₂ (6) SO ₂ VOC VOC VOC VOC VOC VOC VOC VOC VOC	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8 Ethylene Unit 24 24-36-1 24-36-2 24-36-3	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6 22 Furnace 7 22 Furnace 7 22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3	SO₂ (6) SO₂ VOC VOC VOC VOC VOC VOC VOC V	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8 Ethylene Unit 24 24-36-1 24-36-2 24-36-3 24-36-3	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6 22 Furnace 7 22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 3	SO₂ (6) SO₂ VOC VOC VOC VOC VOC VOC VOC V	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8 Ethylene Unit 24 24-36-1 24-36-2 24-36-3 24-36-4 24-36-5	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6 22 Furnace 7 22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 3 24 Furnace 4 24 Furnace 5	SO₂ (6) SO₂ VOC VOC VOC VOC VOC VOC VOC V	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8 Ethylene Unit 24 24-36-1 24-36-1 24-36-2 24-36-3 24-36-4 24-36-5 24-36-6	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6 22 Furnace 7 22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 3 24 Furnace 4 24 Furnace 5 24 Furnace 6	SO₂ (6) SO₂ VOC VOC VOC VOC VOC VOC VOC V	18.05	24.72
VOC Sources Ethylene Unit 22 22-36-1 22-36-2 22-36-3 22-36-4 22-36-5 22-36-6 22-36-7 22-36-8 Ethylene Unit 24 24-36-1 24-36-2 24-36-3 24-36-4 24-36-5	Unit 33 Process Flare 22 Emission Cap for the EPNs Above 22 Furnace 1 22 Furnace 2 22 Furnace 3 22 Furnace 4 22 Furnace 5 22 Furnace 6 22 Furnace 7 22 Furnace 8 24 Furnace 1 24 Furnace 2 24 Furnace 3 24 Furnace 3 24 Furnace 4 24 Furnace 5	SO₂ (6) SO₂ VOC VOC VOC VOC VOC VOC VOC V	18.05	24.72

24-36-8		VOC		
24-36-9		VOC		
Ethylene Unit 33				
33-36-1	33 Furnace 1	VOC		
33-36-2	33 Furnace 2	VOC		
33-36-3	33 Furnace 3	VOC		
33-36-4	33 Furnace 4	VOC		
33-36-5	33 Furnace 5	VOC		
33-36-6	33 Furnace 6	VOC		
33-36-7	33 Furnace 7	VOC		
	33 Furnace 8	VOC		
33-36-8				
33-36-9	33 Furnace 9	VOC		
Process Fugitive				
Equipment				
10.1-0-0	Unit 10AC Process Fugitives (8)	VOC		
10.2-0-0	Unit 10D Process Fugitives (8)	VOC		
10.3-0-0	Unit 10B Process Fugitives (8)	VOC		
12-0-0	Unit 12 Process Fugitives (8)	VOC		
18-0-0	Unit 18 Process Fugitives (8)	VOC		
21-0-0	Unit 21 Process Fugitives (8)	VOC		
24.1-0-0	Unit 24.1 Process Fugitives (8)	VOC		
22-0-0	Unit 22 Process Fugitives (8)	VOC		
24-0-0	Unit 24 Process Fugitives (8)	VOC		
33-0-0	Unit 33 Process Fugitives (8)	VOC		
33-0-0	Offic 33 Process Fugitives (8)	VOC		
Cooling Towers				
54-22-5	Unit 12 Cooling Tower (CT-5)	VOC		
54-22-6	Unit 10ABC Cooling Tower (CT-6)	VOC		
54-22-7	Unit 10ABC Cooling Tower (CT-7)	VOC		
54-22-9	Unit 10D/18 Cooling Tower (CT-9)	VOC		
54-22-12	Unit 21/22 Cooling Tower (CT-12)	VOC		
54-22-13	Unit 24 Cooling Tower (CT-13)	VOC		
54-22-17	Unit 33 Cooling Tower (CT-17)	VOC		
Fixed-Roof				
Storage Tanks	Mothanal Ctarage Tarak	\/OC		
24-95-314	Methanol Storage Tank	VOC		
33-95-10	Methanol Storage Tank	VOC		
33-95-14	TBC Storage Tank	VOC		
Lube/Seal				
Reservoirs	D-328 Seal Oil Reservoir	VOC		
10-95-328	D-357 Lube/Seal Oil Reservoir	VOC		
10-95-357	D-54 Lube/Seal Oil Reservoir	VOC		
18-95-54	D-120 Lube/Seal Oil Reservoir	VOC		
21-95-120	D-100 Lube Oil Reservoir	VOC		
22-95-100	D-101 Seal Oil Reservoir	VOC		
22-95-101	D-120 Lube/Seal Oil Reservoir	VOC		
22-95-120	D-130 Lube/Seal Oil Reservoir	VOC		
55 125	D-304 Lube/Seal Oil Reservoir	VOC		
L		1	1	

22-95-130	D-305 Lube/Seal Oil Reservoir	VOC	
24-95-304	D-306 Lube/Seal Oil Reservoir	VOC	
24-95-305	Expander Lube Oil Reservoir	VOC	
24-95-306	C-101 (Cracked Gas)	VOC	
24-95-307	C-102 (Ethylene)	VOC	
33-95-15	C-103 (Propylene)	VOC	
33-95-17	C-101 (Cracked Gas)	VOC	
33-95-19	C-102 (Ethylene)	VOC	
33-95-390	C-103 (Propylene)	VOC	
33-95-392	C-357 (Propylene)- 2nd vent	VOC	
33-95-394	C-357 (Propylene)- degas chamber	VOC	
10-95-3572	C-100 (Cracked Gas)	VOC	
10-95-357A	C-101 (Ethylene)	VOC	
24-95-319	C-102 (Propylene)	VOC	
24-95-320			
24-95-321			

Sumps 10.1-SUMP1 12-SUMP1 21/22-SUMP1 24-SUMP2 24-SUMP3 33-SUMP1	10.1 Oily Water Sewer Sump 12 Oily Water Sewer Sump 21/22 Oily Water Sewer Sump 24 Ethylene Sodium Hydroxide Sump 24 Oily Water Sewer Sump	VOC VOC VOC VOC VOC VOC	
33-SUMP2	33 Sodium Hydroxide Sump 33 Water Sludge Pit	VOC	
33-SUMP3	33 Oily Water Sewer Sump	VOC	
33-SUMP4	33 Blowdown Drum Sump	VOC	
Flare System			
56-61-4	Unit 10D/18 Process Flare 4	VOC	
56-61-8	Unit 10, 12 Low-Pressure Flare 8	VOC	
56-61-9	Unit 10, 12 High-Pressure Flare 9	VOC	
56-61-10	Unit 21, 22 Low-Pressure Flare 10	VOC	
56-61-12	Unit 22 High-Pressure Flare 12	VOC	
56-61-14	Unit 24 High-Pressure Flare 14	VOC	
56-61-20	Unit 24 Low-Pressure Flare 20	VOC	
56-61-22	Unit 33 Process Flare 22	VOC	
Atmospheric Vents			
10ABC-AV	Unit 10ABC Analyzer Vents	VOC	
10D-AV	Unit 10D Analyzer Vents	VOC	
12-AV	Unit 12 Analyzer Vents	VOC	
18-AV	Unit 18 Analyzer Vents	VOC	
21-AV	Unit 21 Analyzer Vents	VOC	
22-AV	Unit 22 Analyzer Vents	VOC	
24-AV	Unit 24 Analyzer Vents	VOC	
33-AV	Unit 33 Analyzer Vents	VOC	

	Emission Cap for the EPNs Listed Above	voc	127.95	494.24
MSS (9)				
56-61-4	Unit 10D/18 Process Flare 4	VOC		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	VOC		
56-61-9	Unit 10, 12 High-Pressure Flare 9	VOC		
56-61-10	Unit 21, 22 Low-Pressure Flare 10	VOC		
56-61-12	Unit 22 High-Pressure Flare 12	VOC		
56-61-14	Unit 24 High-Pressure Flare 14	VOC		
56-61-20	Unit 24 Low-Pressure Flare 20	VOC		
56-61-22	Unit 33 Process Flare 22	VOC		
CPC-Paint	Painting	VOC		
MSSATM	Atmospheric Venting/Purging (See	VOC		
	Attachment B for a list of activities)			
	Emission Cap for the EPNs Above	VOC	5247.80	124.41
Benzene Sou	rces (5)			
Process Fugitive				
10.1-0-0	Unit 10AC Process Fugitives (8)	Benzene		
10.2-0-0	Unit 10D Process Fugitives (8)	Benzene		
10.3-0-0	Unit 10B Process Fugitives (8)	Benzene		
12-0-0	Unit 12 Process Fugitives (8)	Benzene		
21-0-0	Unit 21 Process Fugitives (8)	Benzene		
24.1-0-0	Unit 24.1 Process Fugitives (8)	Benzene		
22-0-0	Unit 22 Process Fugitives (8)	Benzene		
24-0-0	Unit 24 Process Fugitives (8)	Benzene		
33-0-0	Unit 33 Process Fugitives (8)	Benzene		
	Emission Cap for the EPNs Listed Above	Benzene	1.74	7.60
MSS (9)				
56-61-4	Unit 10D/18 Process Flare 4	Benzene		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	Benzene		
56-61-9	Unit 10, 12 High-Pressure Flare 9	Benzene		
56-61-10	Unit 21, 22 Low-Pressure Flare 10	Benzene		
56-61-12	Unit 22 High-Pressure Flare 12	Benzene		
56-61-14	Unit 24 High-Pressure Flare 14	Benzene		
56-61-20	Unit 24 Low-Pressure Flare 20	Benzene		
56-61-22	Unit 33 Process Flare 22	Benzene		
MSSATM	Atmospheric Venting/Purging (See	Benzene		
· · · · · · · · · · · · · · · · ·	Attachment B for a list of activities)	Benzene		
	Emission Cap for the EPNs Listed Above	Benzene	176.72	2.88

Individual Em	nission Rate Limits			
22-95-27	Propylene Compressor Turbine	СО	12.05	52.77
		PM ₁₀	0.84	3.70
		SO ₂	0.44	1.91
		VOC	1.41	6.17
Permits by R	ule (PBRs) Incorporated by Reference (7)	•	•
33-AIRCOMP2	Unit 33 Diesel Engine (Reg. 75479)	VOC	0.06	0.05
		NO _x	3.63	2.96
		СО	2.98	2.43
		SO ₂	0.92	0.75
		PM ₁₀	0.08	0.07
24-AIRCOMP	Unit 24 Diesel Engine (Reg. 86119)	VOC	0.05	0.12
		NO _x	2.08	4.99
		СО	2.44	5.85
		SO ₂	0.76	1.82
		PM ₁₀	0.07	0.17
24-AIRCOMP2	Unit 24 Diesel Engine (Reg. 86119)	VOC	0.14	0.09
		NO _x	7.37	4.99
		СО	2.88	1.95
		SO ₂	0.89	0.60
		PM ₁₀	0.05	0.03

- (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
 - H₂S hydrogen sulfide
 - NO_x total oxides of nitrogen
 - SO₂ sulfur dioxide
 - PM total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
 - PM_{10} 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
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Benzene from other facilities is included in the VOC cap and does not contribute to the benzene emission cap.
- (6) This pollutant is also covered by Permit No. PSDTX751M1.
- (7) Referenced permits by rule are listed for information only. The required controls and monitoring are specified in the registrations (numbers listed with each emissions point) and rules.
- (8) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (9) Applies to maintenance, startup, and shutdown (MSS).

	Date:	