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	Emissio	n Rates
NO. (1)		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	CO		
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	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 (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	СО		
22-95-3B, and 22-95-				
3C	U24 Decoke	СО		
24-95-300	U33 Decoke	CO		

33-95-376 and 33-95-376A				
	CO Emission Cap for the EPNs Listed Above	со	792.82	89.86
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
Flare System MSS (9)				
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	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	СО		
56-61-22	Unit 33 Process Flare 22	СО		
	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	H ₂ S		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	H_2S		
56-61-9	Unit 10, 12 High-Pressure Flare 9	H ₂ S		
56-61-10	Unit 21, 22 Low-Pressure Flare 10	H ₂ S		
56-61-12	Unit 22 High-Pressure Flare 12	H_2S		
56-61-14	Unit 24 High-Pressure Flare 14	H ₂ S		
56-61-20	Unit 24 Low-Pressure Flare 20	H ₂ S		
56-61-22	Unit 33 Process Flare 22	H₂S		
	Emission Cap for the EPNs Listed Above	H₂S	0.06	0.26
				·
NO _x Sources				
Ethylene Unit 22				
22-36-1	22 Furnace 1	NOx		
22-36-2	22 Furnace 2	NOx		
22-36-3	22 Furnace 3	NOx		
22-36-4	22 Furnace 4	NOx		
22-36-5	22 Furnace 5	NOx		
22-36-6	22 Furnace 6	NOx		
22-36-7	22 Furnace 7	NOx		
22-36-8	22 Furnace 8	NOx		
	Propylene Compressor Turbine	NO _X		

Emission Sources - Maximum Allowable Emission Rates

22-95-27			
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	

Emission Sources - Maximum Allowable Emission Rates

Ethylene Unit 33 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	33 Furnace 1 33 Furnace 2 33 Furnace 3 33 Furnace 4 33 Furnace 5 33 Furnace 6 33 Furnace 7 33 Furnace 8 33 Furnace 9	NO _x (6) NO _x (6)		
Flare System 56-61-10 56-61-12 56-61-14 56-61-20 56-61-22	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 (6)		
	Emission Cap for the EPNs Listed Above	NO _x	436.25	1896.24
Flare System 56-61-4 56-61-8 56-61-9	Unit 10D/18 Process Flare 4 Unit 10, 12 Low-Pressure Flare 8 Unit 10, 12 High-Pressure Flare 9 NO _x Emission Cap for the EPNs Listed	NO _x NO _x NO _x		
	Above	NO _x	12.39	8.00
Flare System MSS (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	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	NOx NOx NOx NOx NOx NOx NOx NOx		
	Emission Cap for the EPNs Listed Above	NO _x	1513.37	28.82
PM/PM ₁₀ Sources	3			
Cooling Towers 54-22-5 54-22-6 54-22-7 54-22-9 54-22-12 54-22-13 54-22-17	Unit 12 Cooling Tower (CT-5) Unit 10ABC Cooling Tower (CT-6) Unit 10ABC Cooling Tower (CT-7) Unit 10D/18 Cooling Tower (CT-9) Unit 21/22 Cooling Tower (CT-12) Unit 24 Cooling Tower (CT-13) Unit 33 Cooling Tower (CT-17) Emission Cap for the EPNs Listed	PM PM PM PM PM PM PM	27.16	118.97
	Above	PIVI	Z1.10	119.97

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	PM ₁₀		
22-36-8	22 Furnace 8	PM ₁₀		
Ethylene Unit 24				
24-36-1	24 Furnace 1	PM_{10}		
24-36-2	24 Furnace 2	PM_{10}		
24-36-3	24 Furnace 3	PM_{10}		
24-36-4	24 Furnace 4	PM_{10}		
24-36-5	24 Furnace 5	PM_{10}		
24-36-6	24 Furnace 6	PM ₁₀		
24-36-7	24 Steam Superheater 7	PM ₁₀		
24-36-8	·	PM ₁₀		
24-36-9	24 DAC Hydrotreater Heater 8 24 Furnace 9	PM_{10}		
	24 Fulliace 9	FIVI ₁₀		
Ethylene Unit 33				
33-36-1	33 Furnace 1	PM ₁₀ (6)		
33-36-2	33 Furnace 2	PM ₁₀ (6)		
33-36-3	33 Furnace 3	PM ₁₀ (6)		
33-36-4	33 Furnace 4	PM ₁₀ (6)		
33-36-5	33 Furnace 5	PM ₁₀ (6)		
33-36-6	33 Furnace 6	PM ₁₀ (6)		
33-36-7	33 Furnace 7	PM ₁₀ (6)		
33-36-8	33 Furnace 8	PM ₁₀ (6)		
33-36-9	33 Furnace 9	PM ₁₀ (6)		
	Emission Cap for the EPNs Listed Above	PM ₁₀	41.44	181.52
MSS (9)				
22-95-3, 22-95-3A,	U22 Decoke	514		
22-95-3B, and 22-95-		PM		
3C	U24 Decoke			
24-95-300	U33 Decoke	PM		
33-95-376 and	200 2000NO	PM		
33-95-376A	Abrasive Blasting			
CPC-ABLAST	Painting	PM		
CPC-ABLAST CPC-PAINT		PM		
Catalyst	Catalyst Handling	PM		
Catalyon	Emission Cap for the EPNs Listed	PM		
	Above	. 141	621.98	67.66
			+	
SO ₂ Sources				

Ethylene Unit 22

22-36-1 22-36-2

22-36-3

22-36-4

	<u> </u>			
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	РМ	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	PM_{10}		
22-36-8	22 Furnace 8	PM ₁₀		
Ethylene Unit 24		-		
24-36-1	24 Furnace 1	PM_{10}		
24-36-2	24 Furnace 2	PM_{10}		
24-36-3	24 Furnace 3	PM_{10}		
24-36-4	24 Furnace 4	PM_{10}		
24-36-5	24 Furnace 5	PM_{10}		
24-36-6	24 Furnace 6	PM_{10}		
24-36-7	24 Steam Superheater 7	PM_{10}		
24-36-8	24 DAC Hydrotreater Heater 8	PM ₁₀		
24-36-9	24 Furnace 9	PM ₁₀		
Ethylene Unit 33	00 5 1	DM (0)		
33-36-1	33 Furnace 1	PM ₁₀ (6)		
33-36-2	33 Furnace 2	PM ₁₀ (6)		
33-36-3	33 Furnace 3	PM ₁₀ (6)		
33-36-4	33 Furnace 4	PM ₁₀ (6)		
33-36-5	33 Furnace 5	PM ₁₀ (6)		
33-36-6	33 Furnace 6	PM ₁₀ (6)		
33-36-7	33 Furnace 7	PM ₁₀ (6)		
33-36-8	33 Furnace 8			
		PM ₁₀ (6)		
33-36-9	33 Furnace 9	PM ₁₀ (6)		
	Emission Cap for the EPNs Listed Above	PM ₁₀	41.44	181.52
	ADOVE			
MSS (9)				
22-95-3, 22-95-3A,	U22 Decoke	PM		
22-95-3B, and 22-95-				
3C	U24 Decoke	PM		
24-95-300	U33 Decoke	PM		
	OGO DECOKE	1 141		
33-95-376 and	Alice since Disease	D14		
33-95-376A	Abrasive Blasting	PM		
CPC-ABLAST	Painting	PM		
CPC-PAINT	Catalyst Handling	PM		
	l		I	1

Emission Sources - Maximum Allowable Emission Rates

Catalyst				
	Emission Cap for the EPNs Listed Above	РМ	621.98	67.66

SO₂ Sources				
Ethylene Unit 22				
22-36-1	22 Furnace 1	SO_2		
22-36-2	22 Furnace 2	SO_2		
22-36-3	22 Furnace 3	SO_2		
22-36-4	22 Furnace 4	SO_2		
22-36-5	22 Furnace 5	SO_2		
22-36-6	22 Furnace 6	SO_2		
22-36-7	22 Furnace 7	SO ₂		
22-36-8	22 Furnace 8	SO ₂		
Ethylene Unit 24				
24-36-1	24 Furnace 1	SO_2		
24-36-2	24 Furnace 2	SO ₂		
24-36-3	24 Furnace 3	SO ₂		
24-36-4	24 Furnace 4	SO ₂		
24-36-5				
	24 Furnace 5	SO₂		
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	SO₂	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		
	Unit 24 High-Pressure Flare 14			
56-61-14		SO ₂		
56-61-20	Unit 24 Low-Pressure Flare 20	SO ₂		
56-61-22	Unit 33 Process Flare 22	SO ₂ (6)		
	Emission Cap for the EPNs Above	SO ₂	18.05	24.72
VOC Sources				
Ethylene Unit 22				
22-36-1	22 Furnace 1	VOC		
22-36-2	22 Furnace 2	VOC		
22-36-3	22 Furnace 3	VOC		

Emission Sources - Maximum Allowable Emission Rates

22-36-4	22 Furnace 4	VOC	
22-36-5	22 Furnace 5	VOC	
22-36-6	22 Furnace 6	VOC	
22-36-7	22 Furnace 7	VOC	
22-36-8	22 Furnace 8	VOC	
Ethylene Unit 24			
24-36-1	24 Furnace 1	VOC	
24-36-2	24 Furnace 2	VOC	
24-36-3	24 Furnace 3	VOC	
24-36-4	24 Furnace 4	VOC	
24-36-5	24 Furnace 5	VOC	
24-36-6	24 Furnace 6	VOC	
24-36-7	24 Steam Superheater 7	VOC	
24-36-8	24 DAC Hydrotreater Heater 8	VOC	
24-36-9	24 Furnace 9	VOC	

Emission Sources - Maximum Allowable Emission Rates

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		
33-36-8	33 Furnace 8	VOC		
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) (11)	VOC		
33-0-0	Offic 55 1 focess 1 agrilves (b) (11)	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		
54-22-9		VOC		
	Unit 21/22 Cooling Tower (CT-12)			
54-22-13	Unit 24 Cooling Tower (CT-13)	VOC		
54-22-17	Unit 33 Cooling Tower (CT-17)	VOC		
Fixed-Roof Storage				
Tanks				
24-95-314	Methanol Storage Tank	VOC		
33-95-10	Methanol Storage Tank	VOC		
33-95-14	TBC Storage Tank	VOC		
	TBC Storage Talik	VOC		
Lube/Seal	D 000 0 - 1 0'l D '	\/OO		
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		
	D-120 Lube/Seal Oil Reservoir	VOC		
22-95-101	D-130 Lube/Seal Oil Reservoir	VOC		
22-95-120	D-304 Lube/Seal Oil Reservoir	VOC		
22-95-130				
24-95-304	D-305 Lube/Seal Oil Reservoir	VOC		
24-95-305	D-306 Lube/Seal Oil Reservoir	VOC		
24-95-306	Expander Lube Oil Reservoir	VOC		
24-95-307	C-101 (Cracked Gas)	VOC		
33-95-15	C-102 (Ethylene)	VOC		
33-95-17	C-103 (Propylene)	VOC		
00 00 11				
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Emission Sources - Maximum Allowable Emission Rates

MSSATM	Atmospheric Venting/Purging (See	VOC		
CPC-Paint	Painting	VOC		
56-61-22	Unit 33 Process Flare 22	VOC		
56-61-20	Unit 24 Low-Pressure Flare 20	VOC		
56-61-14	Unit 24 High-Pressure Flare 14	VOC		
56-61-12	Unit 22 High-Pressure Flare 12	VOC		
56-61-10	Unit 21, 22 Low-Pressure Flare 10	VOC		
56-61-9	Unit 10, 12 High-Pressure Flare 9	VOC		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	VOC		
56-61-4	Unit 10D/18 Process Flare 4	VOC		
MSS (9)	Linit 10D/10 Process Flore 4	V00		
MCC (0)	Above			
	Emission Cap for the EPNs Listed	VOC	127.95	494.24
33-AV	Unit 33 Analyzer Vents	VOC		
24-AV	Unit 24 Analyzer Vents	VOC		
22-AV	Unit 22 Analyzer Vents	VOC		
21-AV	Unit 21 Analyzer Vents	VOC		
18-AV	Unit 18 Analyzer Vents	VOC		
12-AV	Unit 12 Analyzer Vents	VOC		
10D-AV	Unit 10D Analyzer Vents	VOC		
10ABC-AV	Unit 10ABC Analyzer Vents	VOC		
Atmospheric Vents				
56-61-22	Unit 33 Process Flare 22	VOC		
56-61-20	Unit 24 Low-Pressure Flare 20	VOC		
56-61-14	Unit 24 High-Pressure Flare 14	VOC		
56-61-12	Unit 22 High-Pressure Flare 12	VOC		
56-61-10	Unit 21, 22 Low-Pressure Flare 10	VOC		
56-61-9	Unit 10, 12 High-Pressure Flare 9	VOC		
56-61-8	Unit 10, 12 Low-Pressure Flare 8	VOC		
56-61-4	Unit 10D/18 Process Flare 4	VOC		
Flare System				
33-SUMP4	33 Blowdown Drum Sump	VOC		
33-SUMP3	33 Oily Water Sewer Sump	VOC		
33-SUMP2	33 Water Sludge Pit	VOC		
33-SUMP1	33 Sodium Hydroxide Sump	VOC		
24-SUMP3	24 Oily Water Sewer Sump	VOC		
24-SUMP2	24 Ethylene Sodium Hydroxide Sump	VOC		
21/22-SUMP1	21/22 Oily Water Sewer Sump	VOC		
12-SUMP1	12 Oily Water Sewer Sump	VOC		
	10.1 Oily Water Sewer Sump			
10.1-SUMP1	10.1 Oily Water Sower Sums	VOC		
Sumps				
24-95-321				
24-95-320	C-102 (Propylene)	VOC		
24-95-319	C-101 (Ethylene)	VOC		
10-95-357A	C-100 (Cracked Gas)	VOC		
10-95-3572	C-357 (Propylene)- degas chamber	VOC		
33-95-394	C-357 (Propylene)- 2nd vent	VOC		
33-95-392	C-103 (Propylene)	VOC		
33-95-390	C-102 (Ethylene)	VOC		
33-95-19	C-101 (Cracked Gas)	VOC		

Emission Sources - Maximum Allowable Emission Rates

Attachment B for a list of activities)			
Emission Cap for the EPNs Above	VOC	5247.80	124.41

Benzene Sources (5)

Process Equipment	Fugitive				
10.1-0-0		Unit 10AC Process Fugitives (8)	Benzene		
10.2-0-0 10.3-0-0		Unit 10D Process Fugitives (8) Unit 10B Process Fugitives (8)	Benzene 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) (11)	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 56-61-22		Unit 24 Low-Pressure Flare 20 Unit 33 Process Flare 22	Benzene Benzene		
MSSATM		Atmospheric Venting/Purging (See	Benzene		
WCC/ (TW		Attachment B for a list of activities)	Benzene		
		Emission Cap for the EPNs Listed Above	Benzene	176.72	2.88
Individu	ıal Emissi		Benzene	176.72	2.88
Individu 22-95-27	ıal Emissi	Above	Benzene CO	176.72 12.05	2.88 52.77
	ıal Emissi	Above on Rate Limits			
	ıal Emissi	Above on Rate Limits	СО	12.05	52.77
	ıal Emissi	Above on Rate Limits	CO PM ₁₀	12.05 0.84	52.77 3.70
	ıal Emissi	Above on Rate Limits	CO PM ₁₀ SO ₂	12.05 0.84 0.44	52.77 3.70 1.91
22-95-27	ıal Emissi	Above on Rate Limits Propylene Compressor Turbine	CO PM_{10} SO_2 VOC	12.05 0.84 0.44 1.41	52.77 3.70 1.91 6.17
22-95-27	ıal Emissi	Above on Rate Limits Propylene Compressor Turbine	CO PM ₁₀ SO ₂ VOC CO	12.05 0.84 0.44 1.41 93.90	52.77 3.70 1.91 6.17 37.60
22-95-27	ıal Emissi	Above on Rate Limits Propylene Compressor Turbine	CO PM ₁₀ SO ₂ VOC CO NH ₃	12.05 0.84 0.44 1.41 93.90 1.50	52.77 3.70 1.91 6.17 37.60 4.78
22-95-27	ıal Emissi	Above on Rate Limits Propylene Compressor Turbine	CO PM ₁₀ SO ₂ VOC CO NH ₃ NO _X	12.05 0.84 0.44 1.41 93.90 1.50 19.50	52.77 3.70 1.91 6.17 37.60 4.78 17.10

Emission Sources - Maximum Allowable Emission Rates

SO ₂ 8.65 8.04	65						
		Voc	1.75	6.14			
33.1-0-0	U33 F-10 Fugitives (8)	NH₃	0.21	0.91			
		VOC (10)	0.12	0.51			
		Benzene	0.01	0.02			

- (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

NH₃ - ammonia

NO_x - total oxides of nitrogen

PM - total particulate matter, suspended in the atmosphere, including PM_{10} 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) 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) Reserved.
- (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).
- (10) Benzene emissions are included in the VOC emissions limit.
- (11) Excluding fugitives associated with Furnace 10.

Date: _____ May 17, 2013