EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

Flexible Permit Numbers 22690 and PSDTX751M1

This table lists the emission caps and individual emission limitations for all sources of air contaminants on the applicant's property covered by this permit. The emission caps and individual emission limitations shown are those derived from information submitted as part of the application for permit and allowed for these facilities. Any proposed change in emission caps or individual emission limitations will require an application for a modification of the facilities covered by this permit.

		AIR CONTAMINANTS DATA		
			Emission Cap or Individual Emission Limit *	
Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	lb/hr	TPY**
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	CO		
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	CO		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
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 (Flare 10)	CO		
56-61-12	Unit 22 High-Pressure Flare (Flare 12)	CO		
56-61-14	Unit 24 High-Pressure Flare (Flare 14)	CO		
56-61-20	Unit 24 Low-Pressure Flare (Flare 20)	CO		
56-61-22	Unit 33 Process Flare (Flare 22)	CO (6)		
	Emission Cap	**CO**	**478.74**	**2058.44**

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
Decoking Equipment - Start-Up, Shutdown, and Maintenance				
22-95-3, 22-95-3A, 22-95-3B, and 22-95-3C	U22 Decoke	CO		
24-95-300	U24 Decoke	CO		
33-95-376 and 33-95-376A	U33 Decoke	CO		
	Emission Cap	**CO**	**792.82**	**89.86**
Flare System				
56-61-4	Unit 10D/18 Process Flare (Flare 4)	CO		
56-61-8	Unit 10, 12 Low-Pressure Flare (Flare 8)	CO		
56-61-9	Unit 10, 12 High-Pressure Flare (Flare 9)	CO		
	Emission Cap	**CO**	**63.13**	**40.89**
Flare System - Start-Up, Shutdown, and Maintenance				
56-61-4	Unit 10D/18 Process Flare (Flare 4)	CO		
56-61-8	Unit 10, 12 Low-Pressure Flare (Flare 8)	CO		
56-61-9	Unit 10, 12 High-Pressure Flare (Flare 9)	CO		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
56-61-10	Unit 21, 22 Low-Pressure Flare (Flare 10)	CO		
56-61-12	Unit 22 High-Pressure Flare (Flare 12)	CO		
56-61-14	Unit 24 High-Pressure Flare (Flare 14)	CO		
56-61-20	Unit 24 Low-Pressure Flare (Flare 20)	CO		
56-61-22	Unit 33 Process Flare (Flare 22)	CO		
	Emission Cap	**CO**	**3692.93**	**120.81**

H_2S SOURCES

Flare System

56-61-4	Unit 10D/18 Process Flare (Flare 4)	H_2S		
56-61-8	Unit 10, 12 Low-Pressure Flare (Flare 8)	H_2S		
56-61-9	Unit 10, 12 High-Pressure Flare (Flare 9)	H_2S		
56-61-10	Unit 21, 22 Low-Pressure Flare (Flare 10)	H_2S		
56-61-12	Unit 22 High-Pressure Flare (Flare 12)	H_2S		
56-61-14	Unit 24 High-Pressure Flare (Flare 14)	H_2S		
56-61-20	Unit 24 Low-Pressure Flare (Flare 20)	H_2S		
56-61-22	Unit 33 Process Flare (Flare 22)	H_2S		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
	Emission Cap	**H_2S**	**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

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
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 (Flare 10)	NO_x		
56-61-12	Unit 22 High-Pressure Flare (Flare 12)	NO_x		
56-61-14	Unit 24 High-Pressure Flare (Flare 14)	NO_x		
56-61-20	Unit 24 Low-Pressure Flare (Flare 20)	NO_x		
56-61-22	Unit 33 Process Flare (Flare 22)	NO_x (6)		
	Emission Cap	**NO_x**	**436.25**	**1896.24**
Flare System				
56-61-4	Unit 10D/18 Process Flare (Flare 4)	NO_x		
56-61-8	Unit 10, 12 Low-Pressure Flare (Flare 8)	NO_x		
56-61-9	Unit 10, 12 High-Pressure Flare (Flare 9)	NO_x		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
	Emission Cap	**NO_x**	**12.39**	**8.00**
Flare System - Start-Up, Shutdown, and Maintenance				
56-61-4	Unit 10D/18 Process Flare (Flare 4)	NO_x		
56-61-8	Unit 10, 12 Low-Pressure Flare (Flare 8)	NO_x		
56-61-9	Unit 10, 12 High-Pressure Flare (Flare 9)	NO_x		
56-61-10	Unit 21, 22 Low-Pressure Flare (Flare 10)	NO_x		
56-61-12	Unit 22 High-Pressure Flare (Flare 12)	NO_x		
56-61-14	Unit 24 High-Pressure Flare (Flare 14)	NO_x		
56-61-20	Unit 24 Low-Pressure Flare (Flare 20)	NO_x		
56-61-22	Unit 33 Process Flare (Flare 22)	NO_x		
	Emission Cap	**NO_x**	**1020.82**	**25.53**
PM/PM_{10} SOURCES				
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		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
54-22-17	Unit 33 Cooling Tower (CT-17)	PM		
	Emission Cap	**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	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				
33-36-1	33 Furnace 1	PM_{10} (6)		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
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	**PM_{10}**	**41.44**	**181.52**
Start-Up, Shutdown, and Maintenance				
22-95-(3, 3A, 3B, and 3C)	U22 Decoke	PM		
24-95-300	U24 Decoke	PM		
33-95-376 and 33-95-376A	U33 Decoke	PM		
CPC-ABLAST	Abrasive Blasting	PM		
CPC-PAINT	Painting	PM		
Catalyst	Catalyst Handling	PM		
	Emission Cap	**PM**	**621.98**	**67.66**
SO_2 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		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
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	SO_2		
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	**SO_2**	**223.95**	**374.53**

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
Flare System				
56-61-4	Unit 10D/18 Process Flare (Flare 4)	SO_2		
56-61-8	Unit 10, 12 Low-Pressure Flare (Flare 8)	SO_2		
56-61-9	Unit 10, 12 High-Pressure Flare (Flare 9)	SO_2		
56-61-10	Unit 21, 22 Low-Pressure Flare (Flare 10)	SO_2		
56-61-12	Unit 22 High-Pressure Flare (Flare 12)	SO_2		
56-61-14	Unit 24 High-Pressure Flare (Flare 14)	SO_2		
56-61-20	Unit 24 Low-Pressure Flare (Flare 20)	SO_2		
56-61-22	Unit 33 Process Flare (Flare 22)	SO_2 (6)		
	Emission Cap	**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		
22-36-4	22 Furnace 4	VOC		
22-36-5	22 Furnace 5	VOC		
22-36-6	22 Furnace 6	VOC		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
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		
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				

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
10.1-0-0	Unit 10AC Process Fugitives (4)	VOC		
10.2-0-0	Unit 10D Process Fugitives (4)	VOC		
10.3-0-0	Unit 10B Process Fugitives (4)	VOC		
12-0-0	Unit 12 Process Fugitives (4)	VOC		
18-0-0	Unit 18 Process Fugitives (4)	VOC		
21-0-0	Unit 21 Process Fugitives (4)	VOC		
24.1-0-0	Unit 24.1 Process Fugitives (4)	VOC		
22-0-0	Unit 22 Process Fugitives (4)	VOC		
24-0-0	Unit 24 Process Fugitives (4)	VOC		
33-0-0	Unit 33 Process Fugitives (4)	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				
24-95-314	Methanol Storage Tank	VOC		
33-95-10	Methanol Storage Tank	VOC		
33-95-14	TBC Storage Tank	VOC		
Lube/Seal Reservoirs				
10-95-328	D-328 Seal Oil Reservoir	VOC		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
10-95-357	D-357 Lube/Seal Oil Reservoir	VOC		
18-95-54	D-54 Lube/Seal Oil Reservoir	VOC		
21-95-120	D-120 Lube/Seal Oil Reservoir	VOC		
22-95-100	D-100 Lube Oil Reservoir	VOC		
22-95-101	D-101 Seal Oil Reservoir	VOC		
22-95-120	D-120 Lube/Seal Oil Reservoir	VOC		
22-95-130	D-130 Lube/Seal Oil Reservoir	VOC		
24-95-304	D-304 Lube/Seal Oil Reservoir	VOC		
24-95-305	D-305 Lube/Seal Oil Reservoir	VOC		
24-95-306	D-306 Lube/Seal Oil Reservoir	VOC		
24-95-307	Expander Lube Oil Reservoir	VOC		
33-95-15	C-101 (Cracked Gas)	VOC		
33-95-17	C-102 (Ethylene)	VOC		
33-95-19	C-103 (Propylene)	VOC		
33-95-390	C-101 (Cracked Gas)	VOC		
33-95-392	C-102 (Ethylene)	VOC		
33-95-394	C-103 (Propylene)	VOC		
10-95-3572	C-357 (Propylene)- 2nd vent	VOC		
10-95-357A	C-357 (Propylene)- degas chamber	VOC		
24-95-319	C-100 (Cracked Gas)	VOC		
24-95-320	C-101 (Ethylene)	VOC		
24-95-321	C-102 (Propylene)	VOC		
Sumps				
10.1-SUMP1	10.1 Oily Water Sewer Sump	VOC		
12-SUMP1	12 Oily Water Sewer Sump	VOC		
21/22-SUMP1	21/22 Oily Water Sewer Sump	VOC		
24-SUMP2	24 Ethylene Sodium Hydroxide Sump	VOC		
24-SUMP3	24 Oily Water Sewer Sump	VOC		
33-SUMP1	33 Sodium Hydroxide Sump	VOC		
33-SUMP2	33 Water Sludge Pit	VOC		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
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 (Flare 4)	VOC		
56-61-8	Unit 10, 12 Low-Pressure Flare (Flare 8)	VOC		
56-61-9	Unit 10, 12 High-Pressure Flare (Flare 9)	VOC		
56-61-10	Unit 21, 22 Low-Pressure Flare (Flare 10)	VOC		
56-61-12	Unit 22 High-Pressure Flare (Flare 12)	VOC		
56-61-14	Unit 24 High-Pressure Flare (Flare 14)	VOC		
56-61-20	Unit 24 Low-Pressure Flare (Flare 20)	VOC		
56-61-22	Unit 33 Process Flare (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		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
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	**VOC**	**127.95**	**494.24**

Start-Up, Shutdown, and Maintenance

56-61-4	Unit 10D/18 Process Flare (Flare 4)	VOC		
56-61-8	Unit 10, 12 Low-Pressure Flare (Flare 8)	VOC		
56-61-9	Unit 10, 12 High-Pressure Flare (Flare 9)	VOC		
56-61-10	Unit 21, 22 Low-Pressure Flare (Flare 10)	VOC		
56-61-12	Unit 22 High-Pressure Flare (Flare 12)	VOC		
56-61-14	Unit 24 High-Pressure Flare (Flare 14)	VOC		
56-61-20	Unit 24 Low-Pressure Flare (Flare 20)	VOC		
56-61-22	Unit 33 Process Flare (Flare 22)	VOC		
CPC-Paint	Painting	VOC		
MSSATM	Atmospheric Venting/Purging (See Attachment B for a list of activities)	VOC		
	Emission Cap	**VOC**	**3393.19**	**94.29**

Benzene Sources (5)

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
10.1-0-0	Unit 10AC Process Fugitives (4)	Benzene		
10.2-0-0	Unit 10D Process Fugitives (4)	Benzene		
10.3-0-0	Unit 10B Process Fugitives (4)	Benzene		
12-0-0	Unit 12 Process Fugitives (4)	Benzene		
21-0-0	Unit 21 Process Fugitives (4)	Benzene		
24.1-0-0	Unit 24.1 Process Fugitives (4)	Benzene		
22-0-0	Unit 22 Process Fugitives (4)	Benzene		
24-0-0	Unit 24 Process Fugitives (4)	Benzene		
33-0-0	Unit 33 Process Fugitives (4)	Benzene		
	Emission Cap	**Benzene**	**1.74**	**7.60**
Start-Up, Shutdown, and Maintenance				
56-61-4	Unit 10D/18 Process Flare (Flare 4)	Benzene		
56-61-8	Unit 10, 12 Low-Pressure Flare (Flare 8)	Benzene		
56-61-9	Unit 10, 12 High-Pressure Flare (Flare 9)	Benzene		
56-61-10	Unit 21, 22 Low-Pressure Flare (Flare 10)	Benzene		
56-61-12	Unit 22 High-Pressure Flare (Flare 12)	Benzene		
56-61-14	Unit 24 High-Pressure Flare (Flare 14)	Benzene		
56-61-20	Unit 24 Low-Pressure Flare (Flare 20)	Benzene		
56-61-22	Unit 33 Process Flare (Flare 22)	Benzene		
MSSATM	Atmospheric Venting/Purging (See Attachment B for a list of activities)	Benzene		

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**
	Emission Cap	**Benzene**	**198.81**	**2.73**
Individual Emission Rate Limits				
22-95-27	Propylene Compressor Turbine	CO	7.01	30.72
		PM_{10}	0.84	3.70
		SO_2	0.44	1.91
		VOC	1.41	6.17
Permits by Rule (PBRs) Incorporated by Reference (7)				
33-AIRCOMP2	Unit 33 Diesel Engine (Reg. 75479)	VOC	0.06	0.05
		NO_x	3.63	2.96
		CO	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
		CO	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
		CO	2.88	1.95
		SO_2	0.89	0.60
		PM_{10}	0.05	0.03

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminate Name (3)	Emission Cap or Individual Emission Limit * lb/hr	TPY**

(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
H_2S - hydrogen sulfide
NO_x - total oxides of nitrogen
PM - particulate matter, suspended in the atmosphere, greater than 10 microns in diameter.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
(5) Benzene from other facilities is included in the VOC cap and does not contribute to the benzene emission cap.
(6) PSDTX751M1 pollutant.
(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.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52

** Compliance with annual emission limits is based on a rolling 12-month period.

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

Dated: February 22, 2011