Flexible Permit Numbers 95 and PSD-TX-854M2

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. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Rates *

Air Contaminant

Fmission

Source

Emission	Source	Air Contaminant		Emission Rat	<u>es ^</u>
Point No. (1)	Name (2)	Name (3)		lb/hr	TPY**
Sources Contribu	<u>uting to Plant</u>	NO _x Emissions			
DB-104		Pyrolysis Furnace	NO_x		
DDB-101A		Pyrolysis Furnace	NOx		
DDB-101B		Pyrolysis Furnace	NO_x		
DDB-101C		Pyrolysis Furnace	NO_x		
DDB-101D		Pyrolysis Furnace	NO_x		
DDB-102A		Pyrolysis Furnace	NO_x		
DDB-102B		Pyrolysis Furnace	NO_x		
DDB-102C		Pyrolysis Furnace	NO_x		
DDB-102D		Pyrolysis Furnace	NO_x		
DDB-104A		Pyrolysis Furnace	NO_x		
DDB-104B		Pyrolysis Furnace	NO_x		
DB-105		Pyrolysis Furnace	NO_x		
DB-106		Pyrolysis Furnace	NO_x		
DB-107		Pyrolysis Furnace	NO_x		
DB-108		Pyrolysis Furnace	NO_x		
DB-109		Pyrolysis Furnace	NO_x		
DDB-1		Pyrolysis Furnace	NO_x		
DDB-2		Pyrolysis Furnace	NO_x		
DDB-3		Pyrolysis Furnace	NO_x		
DDB-4		Pyrolysis Furnace	NO_x		
DDB-5		Pyrolysis Furnace	NO_x		
DM-1101		No. 1 Olefins Flare	NO_x		
DDM-3101		No. 2 Olefins Flare	NO_x		
AM-1500		Dock Flare	NO_x		
J-2		Regeneration	NO_x		
		Knockout			
		Drum			

DD-606	Hydrotreater Regenerator Stack	NO _x
DDD-606	Hydrotreater Regenerator Stack	NO_x
DB-201	Regeneration Furnace	NO_x
DB-601	Regeneration Heater	NO_x
DDB-201	Regeneration Heater	NO_x
DDB-601	Regeneration Heater	NO_x
J-1	2nd Stage	NO_x
	Hydrotreater	
	Feed Heater	

Total NO_x Routine Emission Plant Cap

447.83 1275.44

Start-Up, Shutdown, and Maintenance NO_x Emissions

DM-1101/ DDM-3101 Olefin Nos. 1 and 2 NO_x 1420.12 47.53

Flares

Start-Up, Shutdown, and Maintenance

Emissions

Sources Contributing to Plant VOC Emissions

DB-104	Pyrolysis Furnace	VOC
DDB-101A	Pyrolysis Furnace	VOC
DDB-101B	Pyrolysis Furnace	VOC
DDB-101C	Pyrolysis Furnace	VOC
DDB-101D	Pyrolysis Furnace	VOC
DDB-102A	Pyrolysis Furnace	VOC
DDB-102B	Pyrolysis Furnace	VOC
DDB-102C	Pyrolysis Furnace	VOC
DDB-102D	Pyrolysis Furnace	VOC
DDB-104A	Pyrolysis Furnace	VOC
DDB-104B	Pyrolysis Furnace	VOC
DB-105	Pyrolysis Furnace	VOC
DB-106	Pyrolysis Furnace	VOC

DB-107 DB-108 DB-109 DDB-1 DDB-2 DDB-3 DDB-4 DDB-5 DM-1101 DDM-3101 AM-1500 DF-101 DF-104 DF-105 DDF-101 DDF-105 AT-1210	Pyrolysis Furnace No. 1 Olefins Flare No. 2 Olefins Flare Dock Flare Decoke Stack	VOC VOC VOC VOC VOC VOC VOC VOC VOC VOC
DAT 2201	Tower	
DAT-3201	No. 2 Olefins Cooling Tower	VOC
AF-1105	Fixed-Roof Storage Tank	VOC
AF-1106	Fixed-Roof Storage Tank	VOC
AF-1905	Fixed-Roof Storage Tank	VOC
AF-3905	Fixed-Roof Storage Tank	VOC
DDF-1001	Fixed-Roof Storage Tank	VOC
DF-1001	Fixed-Roof Storage Tank	VOC
DF-502	Fixed-Roof Storage Tank	VOC
DF-916	Fixed-Roof Storage Tank	VOC
FUELTRK1	No.1 Olefins Truck	VOC

	Loading	
FUELTRK2	No. 2 Olefins Truck Loading	VOC
FUELTRK3	Truck Loading Facility	VOC
AF-1101	External Floating	VOC
	Roof Tank	
AF-1102	External Floating Roof Tank	VOC
AF-1901	External Floating Roof Tank	VOC
AF-1902	External Floating	VOC
	Roof Tank	
AF-1903	External Floating Roof Tank	VOC
AF-1904	External Floating Roof Tank	VOC
AF-3101	External Floating	VOC
	Roof Tank	
AF-3102	External Floating Roof Tank	VOC
AF-3901	External Floating	VOC
	Roof Tank	
AF-1103	Acetonitrile Storage Tank	VOC
AF-1104	Acetonitrile Storage Tank	VOC
AF-3103	Acetonitrile Storage Tank	VOC
DDF-1301	Methanol Storage Tank	VOC
DDF-202	Methanol Storage Tank	VOC
DF-1301	Methanol Storage Tank	VOC
AF-3701	Slop	VOC
AF-4601A	Storm/Process Wastewater Tank	VOC
AF-4601B	Storm/Process Wastewater Tank	VOC

FAM1704	No. 1 Olefins Wastewater Facility	VOC
FUGOF1WW FAM3706	Fugitive Emissions No. 2 Olefins	VOC VOC
FUG2WWT FUG-V10F	Wastewater Facility Fugitive Emissions No. 1 Olefins Unit	VOC VOC
FUG-V20F	Fugitives No. 2 Olefins Unit Fugitives	VOC
FUG-FTF FUG-VSSH	Tank Farm Fugitives Second Stage Hydrotreater Fugitives	VOC VOC
FUG-VBD FUG-VCM	Marine Dock Fugitives Metering Station Fugitives	VOC VOC
FUG-RAIL FUG-A10F	Rail Loading Fugitives No. 1 Olefins Analyzer Vent Fug	VOC VOC
FUG-A20F	No. 2 Olefins Analyzer Vent Fug	VOC
OF1SOVENT DB-201 DB-601 DDB-601 P4PEDRYER1	Seal Oil Vents Regeneration Furnace Regeneration Heater Regeneration Heater Regeneration Heater PP4 Dryer Vents (Product Residual VOC)	VOC VOC VOC VOC VOC
P4PEDRYER2	PP4 Dryer Vents (Product Residual VOC)	VOC
J-1	2nd Stage Hydrotreater Feed Heater	VOC

Total VOC Routine Emission Cap		VOC	1523.46	787.07	
Start-Up, Shutdown, and Maintenance VOC Emissions					
DM-1101/ DDM-3101	Olefin Nos. 1 and 2 Flares Start-Up, Shutdown, and Maintenance Emissions	VOC	3548.39	91.94	
FUGOF1WW/ FUG2WWT	Nos. 1 and 2 Olefins Wastewater Unit Cleaning	VOC	40.0	0.24	
Sources Contributing to Plant	CO Emissions				
DB-104 DDB-101A DDB-101B DDB-101C DDB-101D	Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace	CO CO CO			
DDB-102A DDB-102B DDB-102C DDB-102D DDB-104A	Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace	CO CO CO CO			
DDB-104B DB-105 DB-106	Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace	co co			
DB-107 DB-108 DB-109 DDB-1 DDB-2	Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace	CO CO CO CO			
DDB-3 DDB-4 DDB-5 DM-1101 DDM-3101 AM-1500	Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace No. 1 Olefins Flare No. 2 Olefins Flare Dock Flare	CO CO CO CO			

DF-101 DF-104	Decoke Stack Decoke Stack	CO CO
DF-105	Decoke Stack	CO
DDF-101	Decoke Stack	CO
DDF-104	Decoke Stack	CO
DDF-105	Decoke Stack	CO
J-2	Regeneration Knock-	CO
	out	
	Drum	
DD-606	Hydrotreater	CO
	Regenerator Stack	
DDD-606	Hydrotreater	CO
	Regenerator Stack	
DB-201	Regeneration Furnace	CO
DB-601	Regeneration Heater	CO
DDB-201	Regeneration Heater	CO
DDB-601	Regeneration Heater	CO
J-1	2nd Stage	CO
	Hydrotreater	
	Feed Heater	

Total CO Routine Emission Cap CO 1270.77 1071.52

Start-Up, Shutdown, and Maintenance CO Emissions

DM-1101/ DDM-3101 Olefin Nos. 1 and 2 CO 6389.31 207.77

Flares

Start-Up, Shutdown, and Maintenance

Emissions

Sources Contributing to Plant PM₁₀ Emissions

DB-104	Pyrolysis Furnace	PM_{10}
DDB-101A	Pyrolysis Furnace	PM_{10}
DDB-101B	Pyrolysis Furnace	PM_{10}

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$\begin{array}{cccc} \text{DDB-102A} & \text{Pyrolysis Furnace} & \text{PM}_{10} \\ \text{DDB-102B} & \text{Pyrolysis Furnace} & \text{PM}_{10} \\ \text{DDB-102C} & \text{Pyrolysis Furnace} & \text{PM}_{10} \end{array}$	
DDB-102C Pyrolysis Furnace PM ₁₀	
DDB-102C Pyrolysis Furnace PM ₁₀	
1 yrorysis i umacc 1 min	
DDB-104A Pyrolysis Furnace PM ₁₀	
DDB-104B Pyrolysis Furnace PM ₁₀	
DB-105 Pyrolysis Furnace PM ₁₀	
DB-106 Pyrolysis Furnace PM ₁₀	
DB-107 Pyrolysis Furnace PM ₁₀	
DB-108 Pyrolysis Furnace PM ₁₀	
DB-109 Pyrolysis Furnace PM ₁₀	
DDB-1 Pyrolysis Furnace PM ₁₀	
DDB-2 Pyrolysis Furnace PM ₁₀	
DDB-3 Pyrolysis Furnace PM ₁₀	
DDB-4 Pyrolysis Furnace PM ₁₀	
DDB-5 Pyrolysis Furnace PM ₁₀	
DF-101 Decoke Stack PM ₁₀	
DF-104 Decoke Stack PM ₁₀	
DF-104 Decoke Stack PM_{10} DF-105 Decoke Stack PM_{10}	
DF-105 Decoke Stack PM ₁₀	
DF-105 Decoke Stack PM_{10} DDF-101 Decoke Stack PM_{10}	
DF-105 Decoke Stack PM_{10} DDF-101 Decoke Stack PM_{10} DDF-104 Decoke Stack PM_{10}	
DF-105 Decoke Stack PM_{10} DDF-101 Decoke Stack PM_{10} DDF-104 Decoke Stack PM_{10} DDF-105 Decoke Stack PM_{10}	
DF-105 Decoke Stack PM_{10} DDF-101 Decoke Stack PM_{10} DDF-104 Decoke Stack PM_{10} DDF-105 Decoke Stack PM_{10}	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
DF-105 Decoke Stack PM ₁₀ DDF-101 Decoke Stack PM ₁₀ DDF-104 Decoke Stack PM ₁₀ DPF-105 Decoke Stack PM ₁₀ DPF-105 Decoke Stack PM ₁₀ PM ₁₀ PM ₁₀ Regeneration Knockout Drum	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(5)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(5)
DF-105 Decoke Stack PM ₁₀ DDF-101 Decoke Stack PM ₁₀ DDF-104 Decoke Stack PM ₁₀ DDF-105 Decoke Stack PM ₁₀ DF-105 Decoke Stack PM ₁₀ PM ₁₀ Regeneration Knockout Drum DD-606 Hydrotreater Regenerator Stack DDD-606 Hydrotreater Regenerator Stack AT-1210 No. 1 Olefins Cooling PM ₁₀	
DF-105 Decoke Stack PM ₁₀ DDF-101 Decoke Stack PM ₁₀ DDF-104 Decoke Stack PM ₁₀ DDF-105 Decoke Stack PM ₁₀ DPF-105 Decoke Stack PM ₁₀ PM ₁₀ Regeneration Knockout Drum DD-606 Hydrotreater Regenerator Stack DDD-606 Hydrotreater Regenerator Stack AT-1210 No. 1 Olefins Cooling Tower	
DF-105 Decoke Stack PM ₁₀ DDF-101 Decoke Stack PM ₁₀ DDF-104 Decoke Stack PM ₁₀ DDF-105 Decoke Stack PM ₁₀ DP-105 J-2 Regeneration Knockout Drum DD-606 Hydrotreater Regenerator Stack DDD-606 Hydrotreater Regenerator Stack AT-1210 No. 1 Olefins Cooling Tower DAT-3201 Decoke Stack PM ₁₀ PM ₁₀ Regeneration PM ₁₀	
DF-105 Decoke Stack PM ₁₀ DDF-101 Decoke Stack PM ₁₀ DDF-104 Decoke Stack PM ₁₀ DDF-105 Decoke Stack PM ₁₀ DPF-105 Decoke Stack PM ₁₀ Decoke Stack PM ₁₀ PM ₁₀ Regeneration Knockout Drum DD-606 Hydrotreater Regenerator Stack DDD-606 Hydrotreater Regenerator Stack AT-1210 No. 1 Olefins Cooling Tower DAT-3201 No. 2 Olefins Cooling Tower	

DB-601	Regeneration Heater	PM_{10}
DDB-201	Regeneration Heater	PM_{10}
DDB-601	Regeneration Heater	PM_{10}
J-1	2nd Stage	PM_{10}
	Hydrotreater	
	Feed Heater	

Total PM₁₀ Routine Emission Cap

PM₁₀ 51.92 146.73

Sources Contributing to Plant SO₂ Emissions

DB-104 DDB-101A DDB-101B DDB-101C DDB-101D DDB-102A DDB-102B DDB-102C	Pyrolysis Furnace	SO ₂ SO ₂ SO ₂ SO ₂ SO ₂ SO ₂ SO ₂
DB-102D DDB-104A DDB-104B DB-105 DB-106 DB-107 DB-108 DB-109 DDB-1 DDB-2 DDB-3 DDB-3 DDB-4 DDB-5 DM-1101 DDM-3101 AM-1500 J-2	Pyrolysis Furnace Polysis Furnace Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace Pyrolysis Furnace No. 1 Olefins Flare No. 2 Olefins Flare Regeneration Knockout Drum	SO ₂

DD-606	Hydrotreater	SO_2
	Regenerator Stack	
DDD-606	Hydrotreater	SO_2
	Regenerator Stack	
DB-201	Regeneration Furnace	SO_2
DB-601	Regeneration Heater	SO_2
DDB-201	Regeneration Heater	SO_2
DDB-601	Regeneration Heater	SO_2
J-1	2nd Stage	SO_2
	Hydrotreater	
	Feed Heater	

Total SO₂ Routine Emission Cap

SO₂ 154.64 22.65

Sources Contributing to Plant NH₃ Emissions

DB-104	Pyrolysis Furnace	NH_3
DDB-101A	Pyrolysis Furnace	NH_3
DDB-101B	Pyrolysis Furnace	NH_3
DDB-101C	Pyrolysis Furnace	NH₃
DDB-101D	Pyrolysis Furnace	NH_3
DDB-102A	Pyrolysis Furnace	NH₃
DB-102B	Pyrolysis Furnace	NH_3
DDB-102C	Pyrolysis Furnace	NH₃
DDB-102D	Pyrolysis Furnace	NH_3
DDB-104A	Pyrolysis Furnace	NH₃
DDB-104B	Pyrolysis Furnace	NH_3
DB-105	Pyrolysis Furnace	NH₃
DB-106	Pyrolysis Furnace	NH_3
DB-107	Pyrolysis Furnace	NH_3
DB-108	Pyrolysis Furnace	NH_3
DB-109	Pyrolysis Furnace	NH_3
DDB-1	Pyrolysis Furnace	NH_3
DDB-2	Pyrolysis Furnace	NH_3
DDB-3	Pyrolysis Furnace	NH₃

DDB-4	Pyrolysis Furnace	NH_3
DDB-5	Pyrolysis Furnace	NH_3
FUG-SCR	SCR System Fugitives	NH_3

Total NH₃ Routine Emission Cap NH₃ 24.24 106.16

Sources Contributing to Plant 1,3-Butadiene Emissions

Sources Contributing to Plant 1,3-Butadiene Emissions						
DM-1101 DDM-3101 AM-1500 DF-101	No. 1 Olefins Flare No. 2 Olefins Flare Dock Flare Decoke Stack	1,3 Butadiene 1,3 Butadiene 1,3 Butadiene 1,3 Butadiene				
DF-104 DF-105 DDF-101	Decoke Stack Decoke Stack Decoke Stack	1,3 Butadiene 1,3 Butadiene 1,3 Butadiene				
DDF-101	Decoke Stack	1,3 Butadiene				
DDF-105	Decoke Stack	1,3 Butadiene				
AT-1210	No. 1 Olefins Cooling Tower	1,3 Butadiene				
DAT-3201	No. 2 Olefins Cooling Tower	1,3 Butadiene				
AF-4601A	Storm/Process Wastewater Tank	1,3 Butadiene				
AF-4601B	Storm/Process Wastewater Tank	1,3 Butadiene				
FAM1704	No. 1 Olefins Wastewater Facility	1,3 Butadiene				
FUGOF1WW	Fugitive Emissions	1,3 Butadiene				
FAM3706	No. 2 Olefins Wastewater Facility	1,3 Butadiene				
FUG2WWT	Fugitive Emissions	1,3 Butadiene				
FUG-V10F	No. 1 Olefins Unit Fugitives	1,3 Butadiene				
FUG-V20F	No. 2 Olefins Unit Fugitives	1,3 Butadiene				
FUG-VBD	Marine Dock Fugitives	1,3 Butadiene				
FUG-RAIL	Rail Loading Fugitives	1,3 Butadiene				

1,3-Butadiene Routine Emission (1,3-Butadiene	3-Butadiene 921.27 52.						
Start-Up, Shutdown, and Maintenance Emissions								
DM-1101/DDM-3101	Olefin Nos. 1 and 2 Flares Start-Up, Shutdown, and Maintenance Emissions	1,3-Butadiene	1050.00	17.50				
FUGOF1WW/FUG2WWT	Nos. 1 and 2 Olefins Wastewater Unit Cleaning	1,3 Butadiene	0.01	0.01				
Sources Contributing to Plant Be	nzene Emissions							
DM-1101 DDM-1301 AM-1500 DF-101	No. 1 Olefins Flare No. 2 Olefins Flare Dock Flare Decoke Stack	Benzene Benzene Benzene Benzene						
DF-104 DF-105 DDF-101 DDF-104 DDF-105	Decoke Stack Decoke Stack Decoke Stack Decoke Stack Decoke Stack	Benzene Benzene Benzene Benzene Benzene						
AT-1210 DAT-3201	No. 1 Olefins Benzene Cooling Tower No. 2 Olefins Benzene Cooling Tower							
AF-1105	Fixed-Roof Storage Tank	Benzene						
AF-1106 AF-1905	Fixed-Roof Storage Tank Fixed-Roof Storage	Benzene Benzene						
AF-3905	Tank Fixed-Roof Storage Tank	Benzene						
DDF-1001 Fixed-Roof Storage Tank		Benzene						

DF-1001	Fixed-Roof Storage Tank	Benzene
DF-502	Fixed-Roof Storage Tank	Benzene
DF-916	Fixed-Roof Storage Tank	Benzene
FUELTRK1	No.1 Olefins Truck Loading	Benzene
FUELTRK2	No. 2 Olefins Truck Loading	Benzene
FUELTRK3 AF-1101	Truck Loading Facility External Floating Roof Tank	Benzene Benzene
AF-1102	External Floating Roof Tank	Benzene
AF-1901	External Floating Roof Tank	Benzene
AF-1902	External Floating Roof Tank	Benzene
AF-1903	External Floating Roof Tank	Benzene
AF-1904	External Floating Roof Tank	Benzene
AF-3101	External Floating Roof Tank	Benzene
AF-3102	External Floating Roof Tank	Benzene
AF-3901	External Floating Roof Tank	Benzene
AF-4601A	Storm/Process Wastewater Tank	Benzene
AF-4601B	Storm/Process Wastewater Tank	Benzene
FAM1704	No. 1 Olefins Wastewater Facility	Benzene
FUGOF1WW	Fugitive Emissions	Benzene
FAM3706	No. 2 Olefins Wastewater Facility	Benzene
FUG2WWT	Fugitive Emissions	Benzene

Fugitives

FUG-V20F No. 2 Olefins Unit Benzene

Fugitives

FUG-FTF Tank Farm Fugitives Benzene FUG-VSSH Second Stage Benzene

Hydrotreater

Fugitives

FUG-VBD Marine Dock Fugitives Benzene FUG-VCM Metering Station Benzene

Fugitives

Benzene Plant Routine Emission Cap Benzene 19.26 15.09

Start-Up, Shutdown, and Maintenance Emissions

FUGOF1WW/ Nos. 1 and 2 Olefins Benzene **4.00 0.02**

FUG2WWT Wastewater Unit

Cleaning

Sources Contributing to Plant Ethylene Emissions

DM-1101	No. 1 Olefins Flare	Ethylene
DDM-3101	No. 2 Olefins Flare	Ethylene
DF-101	Decoke Stack	Ethylene
DF-104	Decoke Stack	Ethylene
DF-105	Decoke Stack	Ethylene
DDF-101	Decoke Stack	Ethylene
DDF-104	Decoke Stack	Ethylene
DDF-105	Decoke Stack	Ethylene
AT-1210	No. 1 Olefins Cooling	Ethylene
	T	

Tower

DAT-3201 No. 2 Olefins Cooling Ethylene

Tower

FUG-V10F No. 1 Olefins Unit Ethylene

Fugitives

FUG-V20F No. 2 Olefins Unit Ethylene

Fugitives

Ethylene Plant Routine Emission Cap Ethylene 318.79 98.18

Start-Up, Shutdown, and Maintenance Emissions

DM-1101/ DDM-3101 Olefin Nos. 1 and 2 Ethylene 3500.00 78.75

Flares

Start-Up, Shutdown, and Maintenance

No. 1 Olefins Flare

Propylen

Emissions

Sources Contributing to Plant Propylene Emissions

DM-1101

DIMI-TIOI	No. 1 Olelliis Flare	Рторушен
DDM-3101	No. 2 Olefins Flare	e Propylen
AM-1500	Dock Flare	e Propylen
DF-101	Decoke Stack	e Propylen
DF-104	Decoke Stack	e Propylen
DF-105	Decoke Stack	e Propylen
DDF-101	Decoke Stack	e Propylen
DDF-104	Decoke Stack	e Propylen
DDF-105	Decoke Stack	e Propylen
AT-1210	No. 1 Olefins	e Propylen
DAT-3201	Cooling Tower No. 2 Olefins Cooling	e Propylen
	Tower	е
FUG-V10F	No. 1 Olefins Unit Fugitives	Propylen e
FUG-V20F	No. 2 Olefins Unit	Propylen

	Fugitives	е					
FUG-VBD	Marine Dock Fugitives	Propylen e					
FUG-RAIL	Rail Loading Fugitives	Propylen					
P4PEDRYER1	PP4 Dryer Vents (Product Residual VOC)	e Propylen e					
P4PEDRYER2	PP4 Dryer Vents (Product Residual VOC)	PP4 Dryer Vents Propylen (Product Residual e					
Propylene Plant Routine Emission	Propylene	553.05	119.74				
Start-Up, Shutdown, and Maintenand	ce Emissions						
DM-1101/ DDM-3101	Olefin Nos. 1 and 2 Propyl Flares e Start-Up, Shutdown, and Maintenance Emissions		3500.00	78.75			
INDIVIDUAL SOURCES OUTSIDE OF THE CAP							
A-100	Cogen (Effective 12/31/08)	NO_x CO VOC PM_{10} SO_2	58.62 35.68 2.04 4.38 1.68	256.77 156.30 8.93 19.20 7.35			

Standard Permit Registration Number 76394 is incorporated by reference only

- (1) Emission point identification either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an 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 - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}

PM_{2.5} particulate matter equal to or less than 2.5 microns in diameter

 PM_{10} - particulate matter equal to or less than 10 microns in diameter

CO - carbon monoxide

NH₃ - ammonia

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission Point Numbers AT-1210 and DAT-3201 additionally are authorized to emit total PM not to exceed 10.8 lb/hr and 33.0 TPY each.

*	schedule:	are based	on and	the facilities	are	limited	by the	following	maximum	operating
	Hrs/day	_Days/weel	<w< th=""><th>eeks/year or</th><th>8,</th><th><u>760</u>Hrs</th><th>s/year</th><th></th><th></th><th></th></w<>	eeks/year or	8,	<u>760</u> Hrs	s/year			
**	Compliance with	h annual an	aiaaiaa lii	mita ia baaad	ا مما	a rollina	12 ma	nth pariod	i	

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

Date: June 30, 2009