Flexible Permit Numbers 16989 and PSDTX794

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)		
Aromatics and Olefins Plant, Aromatics Unit (AU)				
Flare				
AUFLARE-1	AU Flare	CO, NO _x , SO ₂ , VOC, Benzene, Toluene		
Process Fugitive A	reas			
AUFUGS	AU Fugitives (5)	VOC, Benzene, Toluene		
Tanks				
AUT33979	Tank 33979	voc		
AUT4881	Tank 4881	VOC		
AUT4882	Tank 4882	voc		
AUT4883	Tank 4883	VOC		
AUT4884	Tank 4884	VOC, Benzene		
AUT4930	Tank 4930	VOC		
Aromatics and Olef	ins Plant, Cyclohexane Unit (CHXU)			
Process Fugitive A	reas			
CHXUFUGS	Cyclohexane Unit Fugitives (5)	VOC, Benzene		
Aromatics and Olef	ins Plant, Light Olefins Unit (LOU)			
Cooling Tower				
LOUCOOLTWR	LOU Cooling Tower	VOC, Benzene, Toluene, PM, PM ₁₀ , PM _{2.5}		
Flare				
LOUFLARE	LOU Elevated Flare	CO, NO _x , SO ₂ , VOC, Benzene, Toluene		
Process Fugitive A	reas			
LOUFUGS	LOU Fugitives (5)	VOC, Benzene, Toluene		
Combustion Source	es			
LOUBOILER1	Cracking Furnace A	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC		

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)
LOUBOILER2	Cracking Furnace B	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
LOUBOILER3	Cracking Furnace C	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
LOUBOILER4	Cracking Furnace D	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
LOUBOILER5	Cracking Furnace E	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
LOUBOILER6	Cracking Furnace F	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
LOUBOILER7	Cracking Furnace G	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
LOUBOILER8	Ethane Cracking Furnace	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
LOUBOILER9	Superheater A	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
LOUBOILR10	Superheater B	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
LOUBOILR11	Cracking Furnace H	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
LOUHEATER1	GHU Regeneration Heater	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC
Loading		
LOUPFOLR	LOU Loading Rack	VOC, Benzene, Toluene
Miscellaneous Sou	rces	
ABRSVCLEAN	Abrasive Blasting Area	PM, PM ₁₀ , PM _{2.5}
AOMPANTFUG	Plant Painting Operations	voc
LOUAPIVO	API Regenerative Thermal Oxidizer (RTO)	CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC, Benzene, Toluene
LOUVENTDD1	LOU Decoking Drum No. 1	CO, PM, PM ₁₀ , PM _{2.5}
LOUVENTDD2	LOU Decoking Drum No. 2	CO, PM, PM ₁₀ , PM _{2.5}
LOUCARBON1	API Carbon Adsorption System	VOC, Benzene
AOARVS	Analyzer, Atmospheric Reference Valve	VOC, Benzene, Toluene
Tanks		
10T-113	Tank 113	VOC
10T-114	Tank 114	VOC
LOUT1596	Tank 1596	VOC, Benzene, Toluene
LOUT1597	Tank 1597	VOC, Benzene, Toluene

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		
LOUT33752	Tank 33752	VOC, Benzene		
LOUT33753	Tank 33753	VOC, Benzene		
LOUT33755	Tank 33755	VOC, Benzene, Toluene		
LOUT33756	Tank 33756	VOC, Benzene, Toluene		
LOUT33758	Tank 33758	VOC, Benzene, Toluene		
LOUT33759	Tank 33759	VOC, Benzene		
LOUT33760	Tank 33760	VOC, Benzene, Toluene		
Aromatics and Olef	ins Plant, Miscellaneous Sources			
Miscellaneous Chemical Storage Tanks (6)		VOC		
Diesel Internal Comb	Internal Combustion Engines (6) CO, NO _x , PM, PM ₁₀ , PM _{2.5} , SO ₂ , VOC			
Port Neches Termin	nal (PNT)			
Process Fugitive A	reas			
PNTFUGS	Port Neches Terminal Fugitives (5)	VOC, Benzene, Toluene		
Tank				
TT1815	Tank 1815	VOC, Benzene, Toluene		
		Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		со	394.34	912.43
		NO _x	352.16	866.35
		PM	31.50	90.45
EMISSION CAPS		PM ₁₀	31.41	90.04
		PM _{2.5}	31.12	88.78
		SO ₂	185.49	197.47
		voc	243.54	454.54
		Benzene (9)	17.42	42.54
		Toluene (9)	9.93	9.26

Emission Point		Air Contaminant Name	Emission Rates	
No. (1)	Source Name (2)	(3)	lbs/hour	TPY (4)
Individual Emissi	on Limits	·		
		VOC	10.52	14.74
LOUT34030	Tank 34030	Benzene (9)	1.14	2.52
		Toluene (9)	0.52	1.10
Planned Maintena	nce, Startup and Shutdowr	(MSS) Emission Limits		
		VOC (7)	585.90	49.20
		VOC (8)	3012.99	4.94
		Benzene (9)	299.30	2.24
MSSLOUFLARE	LOU FLARE	NO _x (7)	58.83	5.27
		NO _x (8)	1251.90	7.16
		CO (7)	117.45	36.04
		CO (8)	2499.26	14.30
MSSAUSFLARE A		VOC (7)	414.74	0.92
	AU FLARE	VOC (8)	0.01	0.01
		Benzene (9)	109.14	0.31
		NO _x (7)	75.69	0.11
		NO _x (8)	26.52	0.08
		CO (7)	151.10	0.22
		CO (8)	52.95	0.16
	Thermal Oxidizer	VOC	0.73	0.07
		Benzene (9)	0.73	0.07
		NO _x	2.22	0.27
		СО	1.48	0.18
MSSRTO		PM	0.02	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
		SO ₂	0.03	0.01

Emission Point	Source Name (2) Air Contaminant Nam (3)	Air Contaminant Name	Emission Rates	
No. (1)		(3)	lbs/hour	TPY (4)
MSSFUG	Fugitive Emissions (5)	VOC	77.75	4.14
		Benzene (9)	0.90	0.08
		NO _x	45.19	6.31
		со	83.09	7.26
		РМ	90.34	1.14
		PM ₁₀	81.34	1.10
		PM _{2.5}	81.34	1.10
		SO ₂	2.77	0.42

- (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
 - NO_x total oxides of nitrogen
 - SO₂ sulfur dioxide
 - 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} total 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) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Miscellaneous sources are identified and listed in Appendix B to Attachment D Emission Caps Compliance Plan of the permit.
- (7) Planned Maintenance, Startup, and Shutdown (MSS) Emissions as described in the permit Special Condition numbers 36 through 52 and Attachments A, B, and C.
- (8) LOU Startup emissions may occur for 73 hours annually.
- (9) Total VOC allowable emissions include benzene and toluene.

Date: August 28, 2020	Date:	August 28, 2020	
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