

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 41945, PSDTX950, and N018M1

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	
			lbs/hour	TPY (4)
P-3	Product Inhibitor Tank Vent	VOC (6)	<0.01	<0.01
P-6	Low-Pressure Flare	VOC (6)	166.59	7.34
		NOx (6)	12.66	7.76
		CO (6)	65.23	39.96
		SO ₂ (6)	1.43	1.57
		H ₂ S	0.02	0.02
P-7	High-Pressure Flare	VOC (6)	138.48	32.88
		NOx (6)	12.47	11.23
		CO (6)	64.22	57.85
		SO ₂ (6)	13.67	1.89
		H ₂ S	0.15	0.02
TK-9804	Storm Water Tank	VOC (6)	0.63	0.34
CT	Cooling Tower	VOC (5)(6)	10.71	13.43
		PM (6)	0.91	2.24
		PM ₁₀ (6)	0.51	1.66
		PM _{2.5} (6)	<0.01	<0.01
ALKFUG	Fugitives InAlk Unit (5)	VOC (6)	0.81	3.57
BDEFUG	Fugitives Butadiene Unit (5)	VOC (6)	1.43	6.26
UTILFUG	Utility Fugitives (5)	VOC (6)	0.51	2.25
P-10	Tank Truck Loading	VOC (6)	0.22	<0.01
C4BLR	C4 Boiler	VOC (6)	1.33	5.81
		NOx (6)	1.74	7.64
		CO (6)	8.85	38.75
		PM (6)	1.83	8.02

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		PM ₁₀ (6)	1.83	8.02
		PM _{2.5} (6)	1.83	8.02
		SO ₂ (6)	3.44	15.08
		NH ₃	1.07	4.71
NH3FUGST	Fugitives-Ammonia Storage (5)	NH ₃	0.01	0.06
NH3FUGSKID	Fugitives-Injection Skid (5)	NH ₃	0.01	0.02
P12	Ammonia Scrubber	NH ₃	0.12	<0.01
Maintenance, Startup, and Shutdown (MSS) Emissions				
P-7	High-Pressure Flare Turnaround Cap	VOC	-	14.71
		NOx	-	2.94
		CO	-	15.14
		SO ₂	-	0.42
		H ₂ S	-	<0.01
P-7	High-Pressure Flare MSS Cap	VOC	-	27.72
		NOx	-	4.51
		CO	-	23.21
		SO ₂	-	0.73
		H ₂ S	-	<0.01
P-7	High-Pressure Flare Turnaround and MSS Short-Term Cap	VOC	1,114.39	-
		NOx	74.12	-
		CO	381.81	-
		SO ₂	5.16	-
		H ₂ S	0.06	-
P-6	Low-Pressure Flare Turnaround Cap	VOC	169.84	1.57
		NOx	12.20	1.17
		CO	62.82	6.04
		SO ₂	0.84	0.23
		H ₂ S	<0.01	<0.01
P-6	Low-Pressure Flare MSS Cap	VOC	220.69	3.01

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		NOx	14.52	0.20
		CO	74.82	1.02
TA CAP	Turnaround Cap (Non-Flare)	VOC	22.17	1.21
		PM	0.35	0.52
		PM ₁₀	0.35	0.52
		PM _{2.5}	0.35	0.52
MSS CAP	MSS Cap (Non-Flare)	VOC	15.43	1.96
		PM	0.49	0.36
		PM ₁₀	0.42	0.36
		PM _{2.5}	0.36	0.36
C4BLR	C4 Boiler MSS	NOx	24.22	1.31
		CO	88.47	4.78

- (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}
 - particulate matter equal to or less than 2.5 microns in diameter
- CO
 - carbon monoxide
- NH₃
 - ammonia
- H₂S
 - hydrogen sulfide
- (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) These emissions are permitted under Prevention of Significant Deterioration or Non-attainment Review in addition to State Review.

Date: TBD