

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20173

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)
F-25-FLARE	Dock Terminal Flare (6) (7)	VOC	241.00	-
		NO _x	22.93	-
		CO	91.31	-
		SO ₂	0.02	-
P-8	P-8 Fire Water Pump Engine	VOC	0.27	0.01
		NO _x	9.83	0.49
		CO	2.02	0.10
		PM	0.21	0.01
		PM ₁₀	0.21	0.01
		PM _{2.5}	0.21	0.01
		SO ₂	0.86	0.04
P-11	P-11 Fire Water Pump Engine	VOC	0.27	0.01
		NO _x	9.83	0.49
		CO	2.02	0.10
		PM	0.21	0.01
		PM ₁₀	0.21	0.01
		PM _{2.5}	0.21	0.01
		SO ₂	0.86	0.04
TK-P-8	P-8 Fuel Storage Tank	VOC	0.08	0.01
TK-P-11	P-11 Fuel Storage Tank	VOC	0.08	0.01
C-7	Tank C-7 (8)	VOC	1.26	2.31
FUG-1	Fugitives (5)	VOC	0.62	2.72
MVCU	Barge Dock VCU (7)	VOC	2.08	-
		NO _x	1.50	-

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		CO	1.50	-
		PM	0.19	-
		PM ₁₀	0.19	-
		PM _{2.5}	0.19	-
		SO ₂	0.14	-
	Annual F-25-Flare and MVCU Emission Cap (7)	VOC	-	12.82
		NO _x	-	10.74
		CO	-	20.33
		PM	-	0.93
		PM ₁₀	-	0.93
		PM _{2.5}	-	0.93
		SO ₂	-	0.78
HAP	Hazardous Air Pollutants (Individual)	HAP	-	<10
HAP	Hazardous Air Pollutants (Total)	HAP	-	<25
Maintenance, Startup, and Shutdown (MSS) Activities				
MSS-CTRL	MSS Control Device Related Emissions (7)	VOC	103.39	2.40
		NO _x	39.83	0.91
		CO	22.58	0.53
		PM	0.75	1.08
		PM ₁₀	0.75	1.08
		PM _{2.5}	0.75	1.08
		SO ₂	0.56	0.31
MSS-ATM	MSS Atmospheric Venting (7)	VOC	110.73	0.69
Effective Upon Start of Operation of Tank C-7, and Removal of Tank C-6 From Service (8)				
F-25-FLARE	Dock Terminal Flare (8)	VOC	85.60	-
		NO _x	0.46	-
		CO	1.81	-
		SO ₂	0.02	-
MVCU	Barge Dock VCU (8)	VOC	2.08	-

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		NOx	1.50	-
		CO	1.50	-
		SO ₂	0.14	-
		PM	0.19	-
		PM ₁₀	0.19	-
		PM _{2.5}	0.19	-
	Annual F-25-Flare and MVCU Emission Cap (8)	VOC	-	3.72
		NOx	-	9.53
		CO	-	15.48
		SO ₂	-	0.78
		PM	-	1.01
		PM ₁₀	-	1.01
		PM _{2.5}	-	1.01
MSS-CTRL	MSS Control Device Related Emissions (8)	VOC	72.02	0.34
		NOx	41.60	0.15
		CO	24.36	0.10
		SO ₂	0.75	0.30
		PM	1.06	1.06
		PM ₁₀	1.06	1.06
		PM _{2.5}	1.06	1.06
MSS-ATM	MSS Atmospheric Venting (8)	VOC	3.43	0.04

- (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
CO - carbon monoxide
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
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(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.

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- (6) Emissions from Storage Tank No. C-6, barge degassing/deheeling, and barge hose unloading line clearing are included.
- (7) Emission rates are authorized until Tank C-6 is permanently removed from service and are no longer valid upon initial start of operation of Tank C-7.
- (8) Emission rates authorized upon initial start of operation of Tank C-7, at which time Tank C-6 shall be permanently removed from service and no longer authorized by this permit.

Date: October 6, 2022