

Emission Sources - Maximum Allowable Emission Rates

Permit Number 2101

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 (8)
G-D-1	MP-1 Flare (5)	NO _x	0.440	1.930
		CO	2.660	11.640
		SO ₂	0.010	0.010
		VOC	583.170	15.660
		PM ₁₀	0.010	0.020
B-D-0	HB-2 Flare	Al ₂ O ₃	14.430	0.984
		MgO	0.960	0.190
		NO _x	0.900	3.920
		CO	5.400	23.620
		VOC	393.630	32.700
		HCl	457.390	7.940
		SO ₂	0.010	0.010
C-F-5A	H-201 Blow Egg	HCl	0.010	0.010
C-F-7	H-155D Hopper	PM	4.120	0.929
C-F-9	BEM MG Hopper	PM	0.010	0.010
C-A-1I-K	PT Cleanout Spots	VOC	2.400	0.160
		Al ₂ O ₃	0.240	0.010
		HCl	0.120	0.010
C-GZ-0	Area C Fugitives (4)	VOC (6)	2.980	13.060

Emission Sources - Maximum Allowable Emission Rates

C-F-12	Sodium Storage	Na	0.010	0.010
C-F-13	Sodium Storage	Na	0.010	0.010
C-F-18	Sodium Unload Spot	Na	0.010	0.010
C-F-19	H-2012 Hopper	PM	0.010	0.010
C-F-20	B-2012 Blower	PM	0.010	0.010
C-F-24	DIP Drum	VOC	0.010	0.010
C-I-3	M-225 Drybox	PM	0.010	0.010
		HCl	0.010	0.010
		VOC	0.010	0.010
C-I-10	Blender Drybox	PM	0.010	0.010
		HCl	0.010	0.010
		VOC	0.010	0.010
C-I-12	JF-5 Drybox	PM	0.010	0.010
		HCl	0.010	0.010
		VOC	0.010	0.010
C-I-16	R-201E Drybox	PM/PM ₁₀ /PM _{2.5}	0.010	0.010
		HCl	0.010	0.010
		VOC	0.010	0.010
C-G-20B	Trailer Load Spot Drybox	PM	0.010	0.010
		HCl	0.010	0.010
		VOC	0.010	0.010
E-A-4	Blockhouse Drybox	PM	0.010	0.010
		HCl	0.010	0.010

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		VOC	0.010	0.010
F-GZ-0	Area F Fugitives (4)	VOC (7)	0.530	2.312
SITEWIDE	Sitewide HAPs	Total HAPs	--	< 25.00
		Individual HAPs	--	< 10.00

- (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
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 Na - Sodium
 CO - carbon monoxide
 HCl - hydrogen chloride
 Al₂O₃ - aluminum oxide
 MgO - magnesium oxide
 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) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Emissions listed here for recordkeeping purposes. Flare G-D-1 is authorized under Permit Number 3962.
- (6) Including 0.44 lb/hr and 1.92 TPY that are authorized under permit-by-rule (PBR) with Registration Numbers 75327, 78067, 81535, and 84493. They are incorporated by reference only because some construction projects had not been completed.
- (7) Including 0.26 lb/hr and 1.13 TPY that are authorized under permit-by-rule (PBR) with Registration Numbers 75327, 78067, 81535, and 84493. They are incorporated by reference only because some construction projects had not been completed.
- (8) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: July 26, 2012