

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. 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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
G-D-1	MP-1 Flare (5)	NO _x	0.44	1.93
		CO	2.66	11.64
		SO ₂	0.01	0.01
		VOC	583.17	15.66
		PM ₁₀	0.01	0.02
B-D-0	HB-2 Flare	Al ₂ O ₃	14.43	1.03
		MgO	0.96	0.19
		NO _x	0.90	3.92
		CO	5.40	23.62
		VOC	393.63	32.65
		HCl	457.39	6.13
		SO ₂	0.01	0.01
C-F-5A	H-201 Blow Egg	HCl	0.01	0.01
C-F-7	H-155D Hopper	PM	4.12	0.56
C-F-9	BEM MG Hopper	PM	0.01	0.01
C-A-1I-K	PT Cleanout Spots	VOC	2.40	0.16
		Al ₂ O ₃	0.24	0.01
		HCl	0.12	0.01
C-GZ-0	Area C Fugitives (4)	VOC (6)	2.59	11.34
C-F-12	Sodium Storage	Na	0.01	0.01
C-F-13	Sodium Storage	Na	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
C-F-18	Sodium Unload Spot	Na	0.01	0.01
C-F-19	H-2012 Hopper	PM	0.01	0.01
C-F-20	B-2012 Blower	PM	0.01	0.01
C-F-24	DIP Drum	VOC	0.01	0.01
C-I-3	M-225 Drybox	PM	0.01	0.01
		HCl	0.01	0.01
		VOC	0.01	0.01
C-I-10	Blender Drybox	PM	0.01	0.01
		HCl	0.01	0.01
		VOC	0.01	0.01
C-I-12	JF-5 Drybox	PM	0.01	0.01
		HCl	0.01	0.01
		VOC	0.01	0.01
C-G-20B	Trailer Load Spot Drybox	PM	0.01	0.01
		HCl	0.01	0.01
		VOC	0.01	0.01
E-A-4	Blockhouse Drybox	PM	0.01	0.01
		HCl	0.01	0.01
		VOC	0.01	0.01
F-GZ-0	Area F Fugitives (4)	VOC (7)	0.53	2.31
		Total HAPs		25.00
		Individual HAPs		10.00

(1) Emission point identification - either specific equipment designation or emission point number

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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
 - CO - carbon monoxide
 - HCl - hydrogen chloride
 - Al₂O₃ - aluminum oxide
 - MgO - magnesium oxide
 - (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.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:
8,760 Hrs/year.
- ** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: _

February 10, 2011