

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 (4)
B-D-0	HB-2 Flare	Al ₂ O ₃	71.06	11.69
		ZnO	45.57	1.96
		NO _x	25.36	28.13
		CO	222.09	143.33
		VOC	674.92	237.50
		HCl	500.79	7.03
		SO ₂	0.01	0.01
C-F-5A	H-201 Blow Egg	HCl	0.01	0.01
C-F-7	H-155 Hoppers	Al	9.82	13.85
C-F-19	H-2012 Hopper	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
C-F-20	B-2012 Blower	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
C-F-24	DIP Drum	VOC	0.01	0.01
C-G-1A	D-232 Neutral Oil Storage	VOC	0.01	0.01
C-G-1B	D-234 Neutral Oil Storage	VOC	0.01	0.01
C-G-20B	Trailer Load Spot Drybox	VOC	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

C-H-22	D-297	VOC	0.07	0.01
C-I-10	Blender Drybox	VOC	0.01	0.01
C-I-12	JF-5 Drybox	VOC	0.01	0.01
C-I-3	M-225 Drybox	VOC	0.01	0.01
E-A-4	Blockhouse Drybox	VOC	0.01	0.01
F-G-3	T-220 Storage Tank	VOC	0.01	0.01
F-I-1A	T-201A Storage Tank	VOC	0.01	0.01
F-I-1B	T-201B Storage Tank	VOC	0.01	0.01
C-A-1I,J,K	PT Cleanout Spots	VOC	0.01	0.01
G-D-1	MP-1 Wet Flare	NO _x	7.09	2.32
		CO	36.12	11.83
		VOC	113.38	35.15
		SO ₂	0.01	0.01
C-F-9	BEM Mg Hopper	PM	0.03	0.01
		PM ₁₀	0.03	0.01
		PM _{2.5}	0.03	0.01
F-A-1	Solvent Spot	VOC	0.01	0.01
W-A-0A	Load Spot No. 4	VOC	0.01	0.01
W-G-0A	T-4603A Light Olefins	VOC	0.59	0.98
W-G-1	T-4341 Rework Olefins	VOC	0.18	0.17
W-T-2	T-4603C Light Olefins	VOC	0.23	0.15
A-GZ-0	Area A Fugitives (5)	VOC	3.69	16.18
B-GZ-0	Area B Fugitives (5)	VOC	5.35	23.45
C-GZ-0	Area C Fugitives (5)	VOC	2.98	13.06
E-GZ-0	Area E Fugitives (5)	VOC	0.34	1.49

Emission Sources - Maximum Allowable Emission Rates

F-GZ-0	Area F Fugitives (5)	VOC	1.42	6.22
G-GZ-0	Area G Fugitives (5)	VOC	0.27	1.17
Q-GZ-0	Area Q Fugitives (5)	VOC	0.06	0.25
W-GZ-0	Area W Fugitives (5)	VOC	0.31	1.37
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 - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter including PM_{2.5}
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
 HCl - hydrogen chloride
 Al - aluminum
 Al₂O₃ - aluminum oxide
 ZnO - zinc 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) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

Date: December 15, 2015