

# 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 (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
B-D-0	HB-2 Flare	Al <sub>2</sub> O <sub>3</sub>	73.61	16.44
		ZnO	45.57	1.96
		NO <sub>x</sub>	25.30	28.85
		CO	221.56	147.00
		VOC	664.47	234.90
		HCl	502.11	14.17
		SO <sub>2</sub>	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 <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01
C-F-20	B-2012 Blower	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	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
C-H-22	D-297	VOC	0.07	0.01
C-I-10	Blender Drybox	VOC	0.01	0.01

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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 <sub>x</sub>	7.53	2.14
		CO	38.39	10.88
		VOC	115.57	34.87
		SO <sub>2</sub>	0.01	0.01
C-F-9	BEM Mg Hopper	PM	0.03	0.01
		PM <sub>10</sub>	0.03	0.01
		PM <sub>2.5</sub>	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	0.29	1.25
B-GZ-0	Area B Fugitives (5)	VOC	1.63	7.15
C-GZ-0	Area C Fugitives (5)	VOC	4.01	17.56
		HCl	0.18	0.78
E-GZ-0	Area E Fugitives (5)	VOC	0.13	0.59
F-GZ-0	Area F Fugitives (5)	VOC	0.37	1.61
W-GZ-0	Area W Fugitives (5)	VOC	0.41	1.80

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SITEWIDE	Site-wide HAPs	Total HAPs	--	< 25.00
		Individual HAPs	--	< 10.00

- (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<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter including PM<sub>2.5</sub>
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - HCl - hydrogen chloride
  - Al - aluminum
  - Al<sub>2</sub>O<sub>3</sub> - 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 is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: March 26, 2018