

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 22095

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)
121-FUG	121 Unit Fugitives (5)	VOC	2.84	12.45
		H <sub>2</sub> S	0.04	0.19
		SO <sub>2</sub>	0.01	0.01
15	Flare	SO <sub>2</sub>	10.14	40.15
		NO <sub>x</sub>	1.29	5.65
		CO	6.47	28.28
		VOC	34.59	18.25
		H <sub>2</sub> S	0.11	0.44
ZO-1	PM Handling System	PM	0.01	0.02
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
FA-1	PM Handling System	PM	0.05	0.19
		PM <sub>10</sub>	0.05	0.19
		PM <sub>2.5</sub>	0.05	0.19
121PF1	Plate and Frame Filter	VOC	1.05	2.64
121PF2	Plate and Frame Filter	VOC	1.05	
121PF3	Plate and Frame Filter	VOC	1.05	
S-9	Scrubber	VOC	0.62	0.04
121-WWC	121 Wastewater Collection	VOC	0.11	0.49
121-MSS	121 Unit – Startup, Shutdown and Maintenance	ZDTP	0.43	0.01
		VOC	13.14	0.13
		H <sub>2</sub> S	0.02	0.02

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Z-44	Storage Tank	VOC	5.05	0.63
Z-45	Storage Tank	VOC	5.05	
Z-49	Storage Tank	VOC	5.05	
STA-8	Storage Tank	VOC	0.01	<0.01
STA-9	Storage Tank	VOC	0.01	<0.01

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
  - 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>, as represented
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - H<sub>2</sub>S - hydrogen sulfide
  - ZDTP - zinc dithiophosphate
- (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: June 8, 2018