

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 159254

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)
RCLOAD	Railcar Loading Fugitives	VOC	15.38	See Loading Fugitives Annual Cap
SBDLOAD	Shallow Draft Barge Loading Fugitives	VOC	12.81	
OBLOAD	Ocean Barge Loading Fugitives	VOC	22.53	
SLOAD	Ship Loading Fugitives	VOC	9.01	
VCU-1	Railcar VCU	VOC	27.03	See Controlled Loading Annual Cap
		NO <sub>x</sub>	7.35	
		CO	14.67	
		SO <sub>2</sub>	19.74	
		PM	0.40	
		PM <sub>10</sub>	0.40	
		PM <sub>2.5</sub>	0.40	
		H <sub>2</sub> S	0.11	
VCU-2	Marine Vessel VCU	VOC	22.53	
		NO <sub>x</sub>	6.13	
		CO	12.23	
		SO <sub>2</sub>	16.45	
		PM	0.33	
		PM <sub>10</sub>	0.33	
		PM <sub>2.5</sub>	0.33	
		H <sub>2</sub> S	0.09	
RCLOAD, SBDLOAD, OBLOAD, SLOAD	Loading Fugitives Annual Cap from all loading points (6)	VOC	See RCLOAD, SBDLOAD, OBLOAD, SLOAD	40.04

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VCU-1, VCU-2	Controlled Loading Annual Cap from all controlled loading points (6)	VOC	See VCU-1, VCU-2	48.05
		NO <sub>x</sub>		13.25
		CO		26.44
		SO <sub>2</sub>		15.00
		PM		0.72
		PM <sub>10</sub>		0.72
		PM <sub>2.5</sub>		0.72
		H <sub>2</sub> S		0.08
FUG	Fugitive Piping Components (5)	VOC	2.24	9.82

- (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>, as represented
  - PM<sub>10</sub>
    - total 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
- (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.
- (6) Annual caps are not per included EPN but the sum of all included EPNs.

Date: October 16, 2020