

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 19080

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)
1	Tank 1	VOC	6.81	0.19
2	Tank 2	VOC	6.81	0.19
3	Tank 3	VOC	2.10	0.04
4	Tank 4	VOC	1.05	0.02
5	Tank 5	VOC	2.10	0.04
6	Tank 6	VOC	2.10	0.04
7	Tank 7	VOC	2.10	0.04
8	Tank 8	VOC	1.89	0.04
401	Tank 401	VOC	4.71	0.02
410	Tank 410	VOC	1.09	1.60
420	Tank 420	VOC	1.73	2.23
430	Tank 430	VOC	2.08	4.61
431	Tank 431	VOC	2.43	6.78
432	Tank 432	VOC	2.97	8.84
440	Tank 440	VOC	1.71	3.95
450	Tank 450	VOC	2.26	6.19
451	Tank 451	VOC	3.01	8.35
460	Tank 460	VOC	2.07	5.47
470	Tank 470	VOC	0.49	0.72
471	Tank 471	VOC	0.49	0.72
480	Tank 480	VOC	1.84	4.39
FUG	Equipment Fugitives	VOC	0.31	1.35

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	(5)			
VRU	Vapor Recovery Unit	VOC	9.19	(6)
VCU	Vapor Combustion Unit	VOC	17.03	(6)(7)
		NO <sub>x</sub>	10.06	7.64
		CO	20.08	15.25
		SO <sub>2</sub>	0.46	0.08
		PM	0.14	<0.01
		PM <sub>10</sub>	0.14	<0.01
		PM <sub>2.5</sub>	0.14	<0.01
LOADFUG	Uncollected Loading Losses	VOC	22.88	(6)(7)
VRU / VCU / LOADFUG	Loading Rack Cap	VOC	---	54.41

- (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  
CO - carbon monoxide  
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
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (6) Total Annual emissions from EPNs VRU, VCU, and LOADFUG shall not exceed 54.41 tons per year (tpy)
- (7) Quantities of all products loaded with displaced loading vapors routed to the VCU, and loaded when the vacuum-assisted system is not operating, shall be limited such that total VOC emissions from emission point numbers VCU and LOADFUG shall not exceed 7.41 tons per year for any consecutive 12-month period.

Date: March 21, 2017