

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 80812

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)
MSS Non-Tank Sub-Cap	Non-Tank-Related Plant-Wide Planned Maintenance, Startup, and Shutdown Emissions	VOC	2,154.45	238.70
		NO <sub>x</sub>	399.99	35.02
		CO	4,086.51	111.77
		SO <sub>2</sub>	1,516.48	54.42
		PM	10.18	12.87
		PM <sub>10</sub>	3.10	3.72
		PM <sub>2.5</sub>	3.10	3.72
		H <sub>2</sub> S	60.11	3.08
		Benzene	8.84	1.08
		Exempt Solvents	0.36	0.80
		Ammonia	6.99	0.27
		HCl	1.20	5.27
MSS-Tank Sub-Cap	Tank Related Plant-Wide Planned Maintenance, Startup, and Shutdown Emissions	VOC	7,209.57	28.33
		NO <sub>x</sub>	577.56	1.37
		CO	1,323.86	2.51
		SO <sub>2</sub>	9.89	1.43
		PM	0.12	0.05
		PM <sub>10</sub>	0.12	0.05
		PM <sub>2.5</sub>	0.12	0.05
		H <sub>2</sub> S	2.23	0.02

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- (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>
    - 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) Planned maintenance, startup, and shutdown (MSS) VOC, NO<sub>x</sub>, CO, SO<sub>2</sub>, PM<sub>10</sub>, H<sub>2</sub>S, NH<sub>3</sub>, and benzene emissions are included in the Permit Number 6825A, PSDTX49, and N65 Emission Caps for these pollutants. Consequently, the routine emissions at the site plus the planned MSS emissions included in this table shall not exceed the annual emission caps shown on the Emission Caps and Individual Emission Limitations Table attached to Permit Number 6825A, PSDTX49, and N65.

Date: December 7, 2018