

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 2129

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)
90.09	Flare 1(8)	NO <sub>x</sub>	8.56	7.93
		CO	31.37	27.14
		SO <sub>2</sub>	0.01	0.01
		VOC	32.26	14.24
90.09	Flare MSS (7)	NO <sub>x</sub>	60.34	-
		CO	122.74	-
		SO <sub>2</sub>	0.01	-
		VOC	222.02	-
90.11	Heater F-9004A (6)	NO <sub>x</sub>	3.39	4.07
		CO	2.85	3.42
		SO <sub>2</sub>	0.02	0.02
		PM	0.26	0.31
		PM <sub>10</sub>	0.26	0.31
		PM <sub>2.5</sub>	0.26	0.31
		VOC	0.19	0.22
90.12	Heater F-9004B (6)	NO <sub>x</sub>	3.39	4.07
		CO	2.85	3.42
		SO <sub>2</sub>	0.02	0.02
		PM	0.26	0.31
		PM <sub>10</sub>	0.26	0.31
		PM <sub>2.5</sub>	0.26	0.31
		VOC	0.19	0.22
90.13	Fugitives (5)	VOC	15.66	68.61

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90.14 A/B	E/P Amonnia Analyzer Vents	VOC	0.22	0.16
D-9041 A	Diesel Tank D-9041 A	VOC	0.02	0.01
D-9041 B	Diesel Tank D-9041 B	VOC	0.02	0.01
D-9003	Diesel Tank D-9003	VOC	0.03	0.01
D-9005	Diesel Tank D-9005	VOC	0.11	0.01
90.09A	Flare Analyzer Vents	VOC	0.01	0.01
J9018	J-9018 Analyzer Vents	VOC	0.01	0.01
MSS-ATM	MSS Fugitive Emissions	VOC	40.32	1.09

- (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
- (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) Heater emissions are based on firing rate of 34.59 MMBtu/hr.
- (7) Annual emissions for planned maintenance from flare 90.09 are included in the annual routine emissions.
- (8) Use of a temporary flare is authorized as a replacement to Flare 1, while down for maintenance. Emissions sources routed to Flare 1 will be controlled in the temporary flare.

Date: January 26, 2024