

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 9418

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)
GR-2	Glycol Reboiler No.2	NOx	0.28	1.23
		CO	0.24	1.03
		PM	0.02	0.09
		PM <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.02	0.09
		VOC	0.02	0.07
		SO <sub>2</sub>	0.01	0.01
GR-4	Glycol Reboiler No.4	NOx	0.35	1.55
		CO	0.30	1.30
		PM	0.02	0.12
		PM <sub>10</sub>	0.02	0.12
		PM <sub>2.5</sub>	0.02	0.12
		VOC	0.02	0.09
		SO <sub>2</sub>	0.01	0.01
GR-5	Glycol Reboiler No.5	NOx	0.28	1.23
		CO	0.24	1.03
		PM	0.02	0.09
		PM <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.02	0.09
		VOC	0.02	0.07
		SO <sub>2</sub>	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

GR-6	Glycol Reboiler No.6	NOx	0.48	2.09
		CO	0.65	2.87
		PM	0.06	0.26
		PM <sub>10</sub>	0.06	0.26
		PM <sub>2.5</sub>	0.06	0.26
		VOC	0.04	0.19
		SO <sub>2</sub>	0.01	0.02
INC-1	Incinerator No.1	NOx	0.20	0.86
		CO	0.17	0.73
		PM	0.02	0.07
		PM <sub>10</sub>	0.02	0.07
		PM <sub>2.5</sub>	0.02	0.07
		VOC	0.11	0.48
		SO <sub>2</sub>	0.01	0.01
INC-2	Incinerator No.2	NOx	0.48	2.10
		CO	0.40	1.76
		PM	0.04	0.16
		PM <sub>10</sub>	0.04	0.16
		PM <sub>2.5</sub>	0.04	0.16
		VOC	0.16	0.70
		SO <sub>2</sub>	0.01	0.01
INC-3	Incinerator No.3	NOx	0.44	1.94
		CO	0.37	1.63
		PM	0.03	0.15
		PM <sub>10</sub>	0.03	0.15
		PM <sub>2.5</sub>	0.03	0.15
		VOC	0.38	1.67
		SO <sub>2</sub>	0.01	0.01
T-1	Tank No.1	VOC	0.12	0.74
T-2	Tank No.2	VOC	0.12	0.74
T-3	Tank No.3	VOC	0.12	0.74
T-4	Tank No.4	VOC	0.12	0.74
T-5	Tank No.5	VOC	0.12	0.74
SR-1	Amine Reboiler No.1	NOx	2.50	10.95
		CO	2.10	9.20

Emission Sources - Maximum Allowable Emission Rates

		PM	0.19	0.83
		PM <sub>10</sub>	0.19	0.83
		PM <sub>2.5</sub>	0.19	0.83
		VOC	0.14	0.60
		SO <sub>2</sub>	0.02	0.07
SR-2	Amine Reboiler No.2	NOx	3.09	13.53
		CO	2.59	11.36
		PM	0.23	1.03
		PM <sub>10</sub>	0.23	1.03
		PM <sub>2.5</sub>	0.23	1.03
		VOC	0.17	0.74
		SO <sub>2</sub>	0.02	0.08
SV-1	Water Vaporizer	NOx	0.42	1.85
		CO	0.35	1.55
		PM	0.03	0.14
		PM <sub>10</sub>	0.03	0.14
		PM <sub>2.5</sub>	0.03	0.14
		VOC	0.02	0.10
		SO <sub>2</sub>	0.01	0.01
THOX-1	Thermal Oxidizer No.1	NOx	0.33	1.45
		CO	0.81	3.53
		PM	0.06	0.26
		PM <sub>10</sub>	0.06	0.26
		PM <sub>2.5</sub>	0.06	0.26
		VOC	0.57	2.49
		SO <sub>2</sub>	0.01	0.02
FLARE-1	Flare	NOx	2.85	0.51
		CO	5.67	0.94
		VOC	14.23	2.21
		SO <sub>2</sub>	0.01	0.01
CONLOAD	Condensate Truck Loading	VOC	37.02	1.05
UTB	Utility Boiler	NOx	0.41	1.80
		CO	0.34	1.51
		PM	0.03	0.14
		PM <sub>10</sub>	0.03	0.14
		PM <sub>2.5</sub>	0.03	0.14

Emission Sources - Maximum Allowable Emission Rates

		VOC	0.02	0.10
		SO <sub>2</sub>	0.01	0.01
FUG	Fugitives (5)	VOC	0.21	0.94
		H <sub>2</sub> S	0.01	0.01
V-1	Amine Plant 1 CO <sub>2</sub> Vent (6) (Startup)	VOC	28.45	1.42
		H <sub>2</sub> S	0.63	0.03
V-2	Amine Plant 2 CO <sub>2</sub> Vent (6) (Startup)	VOC	25.61	1.28
		H <sub>2</sub> S	0.56	0.03

- (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
  - H<sub>2</sub>S - hydrogen sulfide
  - 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) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Startup emissions from EPNs V-1 and V-2 are authorized provided that the Stack heights for the V1 and V2 vents are raised to 90 ft.

Date: September 30, 2021