

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 102482 and PSDTX1292

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)
NGL-1	NGL Thermal Oxidizer No. 1	NO <sub>x</sub>	3.60	15.77
		CO	2.40	10.51
		VOC	2.22	9.72
		SO <sub>2</sub>	3.00	13.14
		SO <sub>3</sub>	0.19	0.82
		H <sub>2</sub> SO <sub>4</sub>	0.23	1.01
		PM <sub>10</sub>	0.60	2.63
		PM <sub>2.5</sub>	0.60	2.63
		H <sub>2</sub> S	0.01	0.05
NGL-2	NGL Thermal Oxidizer No. 1	NO <sub>x</sub>	3.60	15.77
		CO	2.40	10.51
		VOC	2.22	9.72
		SO <sub>2</sub>	3.00	13.14
		SO <sub>3</sub>	0.19	0.82
		H <sub>2</sub> SO <sub>4</sub>	0.23	1.01
		PM <sub>10</sub>	0.60	2.63
		PM <sub>2.5</sub>	0.60	2.63
		H <sub>2</sub> S	0.01	0.05
NGL-3	NGL Emergency Flare	NO <sub>x</sub>	0.04	0.19
		CO	0.09	0.39
		SO <sub>2</sub>	0.01	0.01

## Emission Sources - Maximum Allowable Emission Rates

NGL-4	NGL Cooling Tower	VOC	1.80	7.89
		PM <sub>10</sub>	0.13	0.57
		PM <sub>2.5</sub>	0.01	0.01
		PM	0.54	2.37
		Cl <sub>2</sub>	0.01	0.01
NGL-5	NGL Process Area Fugitives (5)	VOC	0.89	3.90
NGL-6	Gasoline Storage Area Fugitives (5)	VOC	0.23	1.01
NGL-7	LPG Storage Area Fugitives (5)	VOC	0.18	0.77
NGL-8	NGL Barge Dock Loading Area Fugitives (5)	VOC	0.08	0.37
NGL-9	NGL Rail Car and Truck Loading Area Fugitives (5)	VOC	0.11	0.49
NGL-10	NGL Emergency Generator Diesel Engine	NO <sub>x</sub>	12.69	0.33
		CO	6.87	0.18
		VOC	0.85	0.02
		SO <sub>2</sub>	0.02	0.01
		PM <sub>10</sub>	0.40	0.01
		PM <sub>2.5</sub>	0.40	0.01
NGL-11	NGL Firewater Pump Diesel Engine	NO <sub>x</sub>	5.29	0.14
		CO	2.86	0.07
		VOC	1.24	0.03
		SO <sub>2</sub>	0.01	0.01
		PM <sub>10</sub>	0.17	0.01
		PM <sub>2.5</sub>	0.17	0.01

NGL-12	NGL Firewater Pump Diesel Engine	NO <sub>x</sub>	5.29	0.14
		CO	2.86	0.07

## Emission Sources - Maximum Allowable Emission Rates

		VOC	1.24	0.03
		SO <sub>2</sub>	0.01	0.01
		PM <sub>10</sub>	0.17	0.01
		PM <sub>2.5</sub>	0.17	0.01
NGL-13	NGL Firewater Pump Diesel Engine	NO <sub>x</sub>	5.29	0.14
		CO	2.86	0.07
		VOC	1.24	0.03
		SO <sub>2</sub>	0.01	0.01
		PM <sub>10</sub>	0.17	0.01
		PM <sub>2.5</sub>	0.17	0.01
NGL-14	NGL Firewater Pump Diesel Engine	NO <sub>x</sub>	5.29	0.14
		CO	2.86	0.07
		VOC	1.24	0.03
		SO <sub>2</sub>	0.01	0.01
		PM <sub>10</sub>	0.17	0.01
		PM <sub>2.5</sub>	0.17	0.01

- (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
- SO<sub>3</sub> - sulfur trioxide
- H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
- H<sub>2</sub>S - hydrogen sulfide
- Cl<sub>2</sub> - chlorine
- (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.

Date: January 23, 2014