

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9288

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. 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 *	
			lb/hr	TPY**
CW	Cooling Tower (7)	VOC	1.72	7.54
DEMETH	Demethanizer Vent	VOC	2.92	12.79
EMGEN	Diesel Generator (876 hours per year)	CO	8.44	3.70
		NO _x	39.15	17.15
		PM ₁₀	2.78	1.22
		SO ₂	2.59	1.13
		VOC	3.18	1.39
FL1	DUCRP Flare - Pilot Fuel Only	CO	0.27	1.20
		NO _x	0.03	0.14
		SO ₂	0.01	0.01
		VOC	0.01	0.01
FL2	Wasson Flare - Pilot Fuel Only	CO	0.27	1.20
		NO _x	0.03	0.14
		SO ₂	0.01	0.01
		VOC	0.01	0.01
H-1A	Process Heater H-1A (6)	CO	0.0	0.0
		H ₂ S	0.0	0.0
		NO _x	0.0	0.0
		PM ₁₀	0.0	0.0
		SO ₂	0.0	0.0
		VOC	0.80	3.51

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
	(90 MMBtu/hr) (8)	CO	0.0	0.0
		H ₂ S	0.0	0.0
		NO _x	0.0	0.0
		PM ₁₀	0.0	0.0
		SO ₂	0.0	2.00
		VOC	0.0	0.0
H-1B	Process Heater H-1B	CO	0.0	0.0
		NO _x	0.0	0.0
		PM ₁₀	1.11	4.85
		SO ₂	0.09	0.38
		VOC	0.80	3.51
	(90 MMBtu/hr) (8)	CO	0.0	0.0
		H ₂ S	0.0	0.0
		NO _x	0.0	0.0
		PM ₁₀	0.0	0.0
		SO ₂	0.0	2.00
		VOC	0.0	0.0
H-2B	Heater H-2B	CO	0.93	4.08
	(10 MMBTU/hr)	NO _x	1.11	4.87
		PM ₁₀	0.09	0.37
		SO ₂	0.01	0.03
		VOC	0.07	0.27
	(10 MMBTU/hr) (8)	CO	0.0	0.0
		H ₂ S	0.0	0.0
		NO _x	0.0	0.0
		PM ₁₀	0.0	0.0
		SO ₂	0.0	2.00
		VOC	0.0	0.0
NRUH2	Nitrogen Rejection Heater	CO	0.26	1.12

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
	(2.5 MMBTU/hr)	NO _x	0.30	1.33
		PM ₁₀	0.02	0.10
		SO ₂	0.01	0.01
		VOC	0.02	0.07
FUG1	Process Fugitives (4)	VOC	5.30	23.25

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) CO - carbon monoxide
H₂S - hydrogen sulfide
NO_x - total oxides of nitrogen
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These are only pilot light emissions.
- (6) Spent air from the SulFeroxtm Unit vents generated during normal operation shall be sent to the air intake of the heater designated as EPN H-1A.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable Special Condition(s) and permit application representations.
- (8) Planned startup fuel emissions for this EPN are limited to a maximum of 192 hours per rolling twelve months.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year

** Compliance with annual emission limits is based on a rolling 12-month period.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY**</u>

Dated _____