

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 73110

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. **(9/09)**

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
SMRSTACK	SMR Process Heater	VOC	2.06	7.23
		NO _x	24.58	22.34
		CO	15.53	54.42
		SO ₂	0.81	3.54
		PM ₁₀	7.28	25.52
		Ammonia	4.72	16.54
SMRSTACK	SMR Process Heater Planned Start-up	NO _x	110.00	3.30
		CO	101.37	3.04
		Ammonia	9.13	0.27
SMRBDVENT	Steam Drum Blowdown Vent	VOC	1.61	7.06
		Ammonia	0.01	0.01
SMRFLARE	Flare Pilots and Sweep Gas	VOC	0.01	0.05
		NO _x	0.03	0.13
		CO	0.25	1.08
		SO ₂	0.01	0.01
	Ammonia Storage Tank Vent	Ammonia	0.47	0.01
		NO _x	62.80	0.03
	Pipeline Constraints	NO _x	36.70	0.41
SMRFLARE	Flare Planned MSS Activities	NO _x	102.46	0.70
		CO	1,111.49	8.28
		Ammonia	2.32	0.01
MSS FUG	Opening of Components	VOC	0.01	0.01
		CO	0.01	0.01
SMRCT	Cooling Tower	VOC	0.15	0.64

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
SMR行为3TNK	Ammonia Truck Unloading	Ammonia	0.01	0.01
SMRFUG	Process Fugitives (4)	VOC	0.25	1.11
		CO	1.63	7.09
		Ammonia	0.20	0.86
SMRGLYCOL	Glycol Storage Tank	VOC	0.01	0.01
SMRH2VENT	Hydrogen Compressor Vent	CO	0.01	0.01

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 PM₁₀ - particulate matter 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.
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

___Hrs/day ___Days/week ___Weeks/year or 8,760 Hrs/year

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

Dated September 25, 2009