

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 7223A and PSDTX193M3

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)	<u>Emission Rates*</u>	
			lb/hr	TPY**
5-8-04	Neol Scrubber	VOC	6.33	1.21
5-8-10	Neol Loading	VOC	1.93	1.54
5-8-40	D-8570	VOC	0.81	0.11
5-9-10	HDO Loading	VOC	2.85	0.58
5-9-15	Cooling Tower	VOC	0.10	0.10
5-9-21	D902	VOC (6)	18.39	2.95
		VOC (7)	1.29	0.27
5-9-22	D950	VOC	0.01	0.01
5-9-23	D-1010	NaOH	0.01	0.01
5-9-30	HDO Fugitives (4)	VOC	1.06	4.65
5-9-40	D-2250	VOC	0.01	0.02
5-9-41	D-2260	VOC	0.05	0.06
5-9-42	D-2350	VOC	0.01	0.01
5-9-43	D-2360	VOC	0.01	0.01
5-9-44	D-2650	VOC	0.23	0.01
5-9-45	D-2660	VOC	0.19	0.05

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**
HDO-NEOLMSS	Planned MSS	NH3 (5)	7.03	0.01
		VOC (5)	8.86	0.79
HDO-NEOL S/D	Planned Shutdown	PM/PM ₁₀ (5)	0.14	0.01
		VOC (5)	8.59	0.15
5-8-30	Neol Fugitives (4)	VOC	0.45	1.95
5-8-41	Loading Fugitives (4)	VOC	0.16	0.05

- (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) NaOH - sodium hydroxide
 NH₃ - ammonia
 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.
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Planned maintenance, startup and shutdown activities and emissions are authorized from this EPN.
- (6) Pre emission control
- (7) Post emission control

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

24 hrs/day 7 days/week and 52 weeks/year

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

Dated August 15, 2011