

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 809

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**
14STK-001	Ammonia Oxidization Process (AOP) Main Stack	NH ₃	14.00	31.00
		NO _x	42.00	105.40
		N ₂ O	1660.00	4360.00
14STK-001	AOP Main Stack (Maintenance, StartUp, and Shutdown [MSS] Operations)	NH ₃	10.00	0.30
		NO _x	86.00	3.00
		N ₂ O	1410.00	43.00
14FLR-001A	AOP Flare	CO	1.00	4.50
		NH ₃	0.02	0.04
		NO _x	0.50	2.10
		SO ₂	0.20	0.02
		VOC	0.12	0.60
14FLR-001A	AOP Flare (MSS Operations)	CO	34.00	0.67
		NH ₃	226.38	5.00
		NO _x	76.60	1.47
14FUG	Fugitives (4)	HNO ₃	0.07	0.32
		NH ₃	0.13	0.55
		NO _x	0.60	2.54
		N ₂ O	3.87	16.95
		VOC	0.18	0.78
14LTR-001	Nitric Acid Truck Loading/Unloading Facility (fugitive only)	HNO ₃	0.22	0.96
		NO _x	0.01	0.04
14FUGMSS	Fugitives (4)	HNO ₃	1.30	0.01
		NH ₃	1.10	0.01
		NO _x	0.01	0.10

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
14STK-002	Sample Sink Vent Hood Stack	HNO ₃	0.40	0.50
		NO _x	0.02	0.03

(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

HNO₃ - nitric acid

NH₃ - ammonia

NO_x - total oxides of nitrogen, limited in this permit to nitric oxide (NO) and nitrogen dioxide (NO₂) and excluding nitrous oxide (N₂O)

N₂O - nitrous oxide

SO₂ - sulfur dioxide

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.

* 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 or 8,760 Hrs/year

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

Dated: January 31,

2011