

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 48922

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**
N-12	N-3 Preheater	NO <sub>x</sub>	0.27	1.18
		VOC	0.01	0.07
		CO	0.23	0.99
		SO <sub>2</sub>	0.01	0.01
		PM	0.02	0.09
N-13	N-4 Preheater	NO <sub>x</sub>	0.27	1.18
		VOC	0.01	0.07
		CO	0.23	0.99
		SO <sub>2</sub>	0.01	0.01
		PM	0.02	0.09
N-14	N-5/6 Preheater	NO <sub>x</sub>	1.19	5.21
		VOC	0.07	0.29
		CO	1.00	4.38
		SO <sub>2</sub>	0.01	0.01
		PM	0.09	0.40
CT-N5-N	N-5 Cooling Tower North	VOC	0.45	1.95
		PM	2.04	8.92
CT-N5-S	N-5 Cooling Tower South	VOC	0.62	2.72
		PM	2.84	12.44
CT-N7	N-7 Cooling Tower	VOC	1.67	7.33
		PM	7.65	33.51
N-7	N-5/6 Safety Vent Stack	VOC	0.58	0.01
		NH <sub>3</sub>	1.46	0.13
N-8	N-3/4 Safety Vent Stack	VOC	0.58	0.01
		NH <sub>3</sub>	1.46	0.14

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N-4	N-7/8 Absorber Feed Water Tanks	VOC	0.01	0.01
		NH <sub>3</sub>	0.02	0.01
		H <sub>2</sub> SO <sub>4</sub> 0.13	0.01	
N-19	N-5 Acetone Day Tank	Acetone	0.28	0.95
N-10	N-3/4 Alcohol Tank	VOC	0.01	0.01
N-11	N-5/6 Alcohol Tank	VOC	0.01	0.01
N-15	N-7/8 Alcohol Tanks	VOC	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<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

CO - carbon monoxide

H<sub>2</sub>SO<sub>4</sub> - sulfuric acid

NH<sub>3</sub> - ammonia

(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.

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Dated April 7, 2003