

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9203

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**
ST-3	Dust Collector System	PM	0.01	0.01
ST-11	Phase II (TK) Stack	VOC	0.16	0.70
		NO <sub>x</sub>	7.83	4.05
		SO <sub>2</sub>	0.02	0.1
		PM	1.04	4.57
		CO	20.25	66.78
		NH <sub>3</sub>	18.27	42.16
ST-13	Phase I (VK) Stack	VOC	0.20	1.0
		NO <sub>x</sub>	7.4	32.6
		SO <sub>2</sub>	1.4	6.0
		PM <sub>10</sub>	1.6	7.0
		CO	20.58	90.14
		H <sub>2</sub> SO <sub>4</sub>	1.57	6.88
ST-14	Phase II (TK) Stack (Baghouse)	VOC	0.03	0.13
		NO <sub>x</sub>	0.59	2.58
		SO <sub>2</sub>	0.01	0.02
		PM	1.30	5.70
		CO	0.49	2.15
ST-15A	Silo S-1501	PM	0.22	0.44
ST-15B	Silo S-1502	PM	0.22	0.44
ST-15C	Silo S-1503	PM	0.22	0.44
C-T-1	Fugitives (4)	NH <sub>3</sub>	0.01	0.02
		VOC	0.48	2.11

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C-T-2	Fugitives (4)	NH <sub>3</sub>	0.01	0.01
TK-VKFUG	VK and TK Production Building Fugitives (4)	PM	1.52	6.66
T-1102	Storage Tank Vent	VOC	0.06	0.01
T-1107	Storage Tank Vent	NH <sub>3</sub>	0.65	0.12
T-1113	Storage Tank Vent	NH <sub>3</sub>	0.15	0.03
T-1114	Storage Tank Vent	NH <sub>3</sub>	0.14	0.03
ST-18A	Transfer Filter Vent	PM <sub>10</sub>	0.04	0.18
ST-18B	Grinder Vent	PM <sub>10</sub>	0.01	0.04

(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 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 less than or equal to 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

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

Dated June 10, 2005