

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3226

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 **
E-1 A	Brine Well Heater 0.3 MMBtu/hr	NO <sub>x</sub>	0.03	0.07
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01
E-1 B	Brine Well Heater 0.3 MMBtu/hr	NO <sub>x</sub>	0.03	0.07
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01
E-1 C	Brine Well Heater 0.3 MMBtu/hr	NO <sub>x</sub>	0.03	0.07
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01
E-1 D	Brine Well Heater 0.3 MMBtu/hr	NO <sub>x</sub>	0.03	0.07
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY **
E-1 G	Brine Well Heater 0.3 MMBtu/hr	NO <sub>x</sub>	0.03	0.07
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01
E-1 H	Brine Well Heater 0.3 MMBtu/hr	NO <sub>x</sub>	0.03	0.07
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01
E-1 I	Brine Well Heater 0.3 MMBtu/hr	NO <sub>x</sub>	0.03	0.07
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01
E-1 J	Brine Well Heater 0.3 MMBtu/hr	NO <sub>x</sub>	0.03	0.07
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01
E-1 K	Brine Well Heater 0.3 MMBtu/hr	NO <sub>x</sub>	0.03	0.07
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01
E-1 L	Brine Well Heater 0.3 MMBtu/hr	NO <sub>x</sub>	0.03	0.07
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01
E-1 M	Brine Well Heater	NO <sub>x</sub>	0.03	0.07

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	0.3 MMBtu/hr	CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.01	0.01
E-4	Product Dryer	NO <sub>x</sub>	1.61	4.07
	Baghouse	CO	0.40	0.86
		SO <sub>2</sub>	0.01	0.02
		VOC	0.03	0.16
E-5	Fire Tube Boiler	NO <sub>x</sub>	4.69	20.53
		CO	1.17	5.13
		SO <sub>2</sub>	0.48	2.09
		VOC	0.09	0.41
		PM	0.46	2.01
E-6 A	Truck Loading Baghouse	PM <sub>10</sub> (Na <sub>2</sub> SO <sub>4</sub> )	0.21	0.09
E-6 B	Truck Loading Fugitives	PM <sub>10</sub> (Na <sub>2</sub> SO <sub>4</sub> )	1.5	1.37
E-10	Magnetic Particle Separator Baghouse	PM <sub>10</sub> (Na <sub>2</sub> SO <sub>4</sub> )	0.05	0.23

(1) Emission point identification - either specific equipment designation or emission point number

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from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

- (3) NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in 30 Texas Administrative Code § 101.1  
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.  
Na<sub>2</sub>SO<sub>4</sub> - sodium sulfate

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

EPNs E-1 (A, B, C, D, G, H, I, J, K, L, and M):

Hrs/day\_\_\_\_ Days/week\_\_\_\_ Weeks/year\_\_\_\_ or Hrs/year 4,380

EPNs E-4, E-5, E-6 (A and B), E-10, and Fugitives:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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

Dated June 23, 2006