

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21965

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
B-1	Boiler No. 1	PM/PM <sub>10</sub>	0.20	----
		SO <sub>2</sub>	0.02	----
		NO <sub>x</sub>	2.60	----
		CO	2.18	----
		VOC	0.14	----
B-2	Boiler No. 2	PM/PM <sub>10</sub>	0.20	----
		SO <sub>2</sub>	0.02	----
		NO <sub>x</sub>	2.60	----
		CO	2.18	----
		VOC	0.14	----
	Total Boiler Operations	PM/PM <sub>10</sub>	----	1.74
		SO <sub>2</sub>	----	0.14
		NO <sub>x</sub>	----	22.78
		CO	----	19.14
		VOC	----	1.26
AB-2	Alkar-Oven 5	PM/PM <sub>10</sub>	0.04	----
		SO <sub>2</sub>	<0.01	----
		NO <sub>x</sub>	0.55	----
		CO	0.46	----
		VOC	0.03	----
AH-1	Alkar- Oven 6	PM/PM <sub>10</sub>	0.04	----
		SO <sub>2</sub>	<0.01	----
		NO <sub>x</sub>	0.55	----
		CO	0.46	----
		VOC	0.03	----

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
AB-3	Alkar-Oven 7	PM/PM <sub>10</sub>	0.04	----
		SO <sub>2</sub>	<0.01	----
		NO <sub>x</sub>	0.55	----
		CO	0.46	----
		VOC	0.03	----
AB-4	Alkar-Oven 8	PM/PM <sub>10</sub>	0.04	----
		SO <sub>2</sub>	<0.01	----
		NO <sub>x</sub>	0.55	----
		CO	0.46	----
		VOC	0.03	----
AB-6	Alkar-Oven 9	PM/PM <sub>10</sub>	0.04	----
		SO <sub>2</sub>	<0.01	----
		NO <sub>x</sub>	0.55	----
		CO	0.46	----
		VOC	0.03	----
AB-7	Alkar-Oven 10	PM/PM <sub>10</sub>	0.04	----
		SO <sub>2</sub>	<0.01	----
		NO <sub>x</sub>	0.55	----
		CO	0.46	----
		VOC	0.03	----
	Total Alkar-Oven Operations	PM/PM <sub>10</sub>	----	1.08
		SO <sub>2</sub>	----	0.08
		NO <sub>x</sub>	----	14.46
		CO	----	12.12
		VOC	----	0.78
TO-1	Thermal Oxidizer	PM/PM <sub>10</sub>	0.60	2.65
		SO <sub>2</sub>	0.01	0.04
		NO <sub>x</sub>	1.60	7.01
		CO	1.34	5.89
		VOC	1.01	4.44
VP	Vacuum Pumps	VOC	0.11	0.48

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- (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) 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 particulate matter greater than 10 microns is emitted.  
SO<sub>2</sub> - sulfur dioxide  
NO<sub>x</sub> - nitrogen oxides  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- \* Refer to Special Condition No. 5 for throughput limitations and basis of emission rates.

Date July 26, 2006