

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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)	<u>Emission Rates</u>	
			<u>lb/hr</u>	<u>TPY</u>
B-2	Boiler (a) (Natural Gas)	PM <sub>10</sub>	0.20	0.88
		SO <sub>2</sub>	0.02	0.07
		NO <sub>x</sub>	2.60	11.39
		CO	2.18	9.57
		VOC	0.14	0.61
AB-2	Alkar-Oven 5 (a) (Natural Gas)	PM <sub>10</sub>	0.03	0.13
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.40	1.73
		CO	0.33	1.45
		VOC	0.02	0.09
AH-1	Alkar-Oven 6 (a) (Natural Gas)	PM <sub>10</sub>	0.04	0.18
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.52	2.27
		CO	0.43	1.88
		VOC	0.03	0.12
AB-3	Alkar-Oven 7 (a) (Natural Gas)	PM <sub>10</sub>	0.04	0.18
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.55	2.41
		CO	0.46	2.01
		VOC	0.03	0.13
AB-4	Alkar-Oven 8 (a) (Natural Gas)	PM <sub>10</sub>	0.04	0.18
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.55	2.41
		CO	0.46	2.01

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VOC 0.03 0.13

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Emission Rates *	Source	Air Contaminant	Emission	
			lb/hr	TPY
Point No. (1)	Name (2)	Name (3)		
AB-6	Alkar-Oven 9 (a) (Natural Gas)	PM <sub>10</sub>	0.04	0.18
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.55	2.41
		CO	0.46	2.01
		VOC	0.03	0.13
AB-7	Alkar-Oven 10 (a) (Natural Gas)	PM <sub>10</sub>	0.04	0.18
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.55	2.41
		CO	0.46	2.01
		VOC	0.03	0.13
TO-1	Thermal Oxidizer (b) (Natural Gas and Meat Smoking)	PM <sub>10</sub>	1.23	4.52
		SO <sub>2</sub>	0.01	0.04
		NO <sub>x</sub>	1.60	7.01
		CO	2.47	10.84
		VOC	1.01	3.70
		HCHO	0.03	0.09
		CH <sub>3</sub> CHO	0.13	0.48
		CH <sub>3</sub> COOH	0.38	1.66
I-1	Thermal Oxidizer (Natural Gas and Meat Smoking)	**	**	**
I-2	Test Oven (c) (Meat Smoking)	PM <sub>10</sub>	0.02	<0.01
		CO	0.02	<0.01
		VOC	0.02	<0.01
		HCHO	<0.01	<0.01
		CH <sub>3</sub> CHO	<0.01	<0.01
		CH <sub>3</sub> COOH	0.01	<0.01

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VP	Vacuum Pumps (a)	VOC	0.26	1.14
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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> - total oxides of nitrogen
- CO - carbon monoxide
- VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
- HCHO - formaldehyde
- CH<sub>3</sub>CHO - acetaldehyde
- CH<sub>3</sub>COOH - acetic acid

- (a) Emission limits are based on and the facilities are limited to the following operating schedule:

Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year \_\_\_\_\_  
or Hrs/year 8,760

- (b) Emission rates are based on and the facilities are limited to a total hourly throughput of 18.90 tons and a total annual throughput of 165,564 tons of raw meat.
- (c) Emission rates are based on and the facilities are limited to an hourly throughput of 0.038 ton and an annual throughput of 12 tons of raw meat.

\* See Special Condition No. 4.

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Dated\_\_\_\_\_