

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56227

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>	
			lb/hr	TPY*
B-15-BLR3	45 MMBtu/hr Boiler	NO <sub>x</sub>	7.19	---
		CO	3.29	---
		VOC	0.24	---
		PM <sub>10</sub>	0.64	---
		SO <sub>2</sub>	22.83	---
		SO <sub>2</sub> **	12.95	---
F-29-BLR2	45 MMBtu/hr Boiler	NO <sub>x</sub>	7.19	---
		CO	3.29	---
		VOC	0.24	---
		PM <sub>10</sub>	0.64	---
		SO <sub>2</sub>	22.83	---
		SO <sub>2</sub> **	12.95	---
F-29-BLR3	45 MMBtu/hr Boiler	NO <sub>x</sub>	7.19	---
		CO	3.29	---
		VOC	0.24	---
		PM <sub>10</sub>	0.64	---
		SO <sub>2</sub>	22.83	---
		SO <sub>2</sub> **	12.95	---
K-20-BLR1	45 MMBtu/hr Boiler	NO <sub>x</sub>	7.19	---
		CO	3.29	---
		VOC	0.24	---
		PM <sub>10</sub>	0.64	---
		SO <sub>2</sub>	22.83	---
		SO <sub>2</sub> **	12.95	---

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY*
K-20-BLR2	45 MMBtu/hr Boiler	NO <sub>x</sub>	7.19	---
		CO	3.29	---
		VOC	0.24	---
		PM <sub>10</sub>	0.64	---
		SO <sub>2</sub>	22.83	---
		SO <sub>2</sub> **	12.95	---
Q-36-BLR1	45 MMBtu/hr Boiler	NO <sub>x</sub>	7.19	---
		CO	3.29	---
		VOC	0.24	---
		PM <sub>10</sub>	0.64	---
		SO <sub>2</sub>	22.83	---
		SO <sub>2</sub> **	12.95	---
Q-36-BLR2	45 MMBtu/hr Boiler	NO <sub>x</sub>	7.19	---
		CO	3.29	---
		VOC	0.24	---
		PM <sub>10</sub>	0.64	---
		SO <sub>2</sub>	22.83	---
		SO <sub>2</sub> **	12.95	---
Q-36-BLR3	45 MMBtu/hr Boiler	NO <sub>x</sub>	7.19	---
		CO	3.29	---
		VOC	0.24	---
		PM <sub>10</sub>	0.64	---
		SO <sub>2</sub>	22.83	---
		SO <sub>2</sub> **	12.95	---
Q-36-BLRs 1 to 3, K-20-BLRs 1 and 2, F-29-BLRs 2 and 3, and B-15-BLR3	Eight 45 MMBtu/hr Boilers	NO <sub>x</sub>	---	24.00
		CO	---	39.44
		VOC	---	0.88
		PM <sub>10</sub>	---	2.08
		SO <sub>2</sub>	---	69.44
		SO <sub>2</sub> **	---	39.38
Line K	Explosives Testing***	NO <sub>x</sub>	<0.01	<0.01

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Building 15		CO	0.02	0.02
		VOC	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		Aluminum	<0.01	<0.01
		Lead	<0.01	<0.01
Line K Building 18	Explosives Testing	NO <sub>x</sub>	<0.01	<0.01
		CO	0.02	0.02
		VOC	<0.01	<0.01
		PM <sub>10</sub>	0.02	0.01
		SO <sub>2</sub>	<0.01	<0.01
		Aluminum	0.02	0.02
Area X-X	Explosives Testing	NO <sub>x</sub>	0.60	0.54
		CO	0.89	0.80
		VOC	0.18	0.16
		PM <sub>10</sub>	0.81	0.73
		SO <sub>2</sub>	0.08	0.07
		Aluminum	0.87	0.78
		Barium	0.02	0.02
		Calcium	0.22	0.20
		Copper	0.12	0.11
		Lead	0.06	0.05
		Sodium	0.04	0.04
		Zinc	0.02	0.02
Sitewide	Sitewide Cleaning Fugitives	Alcohol	2.41	2.17
		Acetone	2.41	2.17

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

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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<sub>10</sub> - particulate matter (PM) 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
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

\*\* As per Special Condition No. 2B, this emission limit only applies after any existing stores of fuel oil (as of the date of initial issuance of this permit) have been used.

\*\*\* These emission limits only apply after the installation of the baghouse as required under Special Condition No. 6.

Dated April 26, 2004