

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 21924

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, sources, and related activities. 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 (4)	
			lb/hour	TPY (5)

### CASE I: Natural Gas Firing

7-EC	Boiler (48 MMBtu/hour)	NO <sub>x</sub>	6.57	28.7
		CO	16.3	71.4
		VOC	0.27	1.20
		SO <sub>2</sub>	0.028	0.12
		PM	0.14	0.63
7-CB	Boiler (36 MMBtu/hour)	NO <sub>x</sub>	3.61	---
		CO	5.41	---
		VOC	0.58	---
		SO <sub>2</sub>	0.022	---
		PM	0.036	---

### CASE II: No. 2 Fuel Oil Firing (720 Hours)

7-CB	Boiler (36 MMBtu/hour)	NO <sub>x</sub>	5.25	---
		CO	1.36	---
		VOC	0.87	---
		SO <sub>2</sub>	18.02	---
		PM	0.35	---

### CASE III: Maximum Allowable Annual Emission Rates for Boiler 7-CB

7-CB	Boiler (36 MMBtu/hour)	NO <sub>x</sub>	---	16.4
		CO	---	22.2
		VOC	---	2.64
		SO <sub>2</sub>	---	6.58
		PM	---	0.27

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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)
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - SO<sub>2</sub> - sulfur dioxide
  - 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.
- (4) The allowable emission rates include planned maintenance, startup, and shutdown.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: August 5, 2013