

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 56538

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)	
			lbs/hour	TPY (5)
CASE I: Natural Gas Firing				
BOILER 1	Boiler 1 151 MMBtu/hr	NO <sub>x</sub>	5.43	---
		CO	11.15	---
		VOC	0.81	---
		SO <sub>2</sub>	0.09	---
		PM <sub>10</sub>	1.13	---
		PM <sub>2.5</sub>	1.13	---
BOILER 2	Boiler 2 151 MMBtu/hr	NO <sub>x</sub>	5.43	---
		CO	11.15	---
		VOC	0.81	---
		SO <sub>2</sub>	0.09	---
		PM <sub>10</sub>	1.13	---
		PM <sub>2.5</sub>	1.13	---
BOILER 1/ BOILER 2	Boilers 1 and 2	NO <sub>x</sub>	---	19.70
		CO	---	40.50
		VOC	---	2.96
		SO <sub>2</sub>	---	0.32
		PM <sub>10</sub>	---	4.10
		PM <sub>2.5</sub>	---	4.10
BOILERS SP1/SP2	Boiler SP1 50 MMBtu/hr	NO <sub>x</sub>	1.51	---
		CO	3.73	---
		VOC	0.27	---
		SO <sub>2</sub>	0.15	---

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		PM <sub>10</sub>	0.38	---
		PM <sub>2.5</sub>	0.38	---
BOILERS SP1/SP2	Boiler SP2 50 MMBtu/hr	NO <sub>x</sub>	1.51	---
		CO	3.73	---
		VOC	0.27	---
		SO <sub>2</sub>	0.15	---
		PM <sub>10</sub>	0.38	---
		PM <sub>2.5</sub>	0.38	---
BOILERS SP1/SP2	Boilers SP1 and SP2	NO <sub>x</sub>	---	9.96
		CO	---	24.57
		VOC	---	1.79
		SO <sub>2</sub>	---	0.96
		PM <sub>10</sub>	---	2.49
		PM <sub>2.5</sub>	---	2.49

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

BOILER 1	Boiler 1 145 MMBtu/hr	NO <sub>x</sub>	15.20	---
		CO	11.26	---
		VOC	0.58	---
		SO <sub>2</sub>	8.15	---
		PM <sub>10</sub>	2.08	---
		PM <sub>2.5</sub>	2.08	---
BOILER 2	Boiler 2 145 MMBtu/hr	NO <sub>x</sub>	15.20	---
		CO	11.26	---
		VOC	0.58	---
		SO <sub>2</sub>	8.15	---
		PM <sub>10</sub>	2.08	---
		PM <sub>2.5</sub>	2.08	---
BOILER 1/ BOILER 2	Boilers 1 and 2	NO <sub>x</sub>	---	10.94
		CO	---	8.10

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		VOC	---	0.42
		SO <sub>2</sub>	---	5.86
		PM <sub>10</sub>	---	1.50
		PM <sub>2.5</sub>	---	1.50
BOILERS SP1/SP2	Boiler SP1 48 MMBtu/hr	NO <sub>x</sub>	4.95	---
		CO	3.77	---
		VOC	0.19	---
		SO <sub>2</sub>	2.45	---
		PM <sub>10</sub>	0.69	---
		PM <sub>2.5</sub>	0.69	---
BOILERS SP1/SP2	Boiler SP2 48 MMBtu/hr	NO <sub>x</sub>	4.95	---
		CO	3.77	---
		VOC	0.19	---
		SO <sub>2</sub>	2.45	---
		PM <sub>10</sub>	0.69	---
		PM <sub>2.5</sub>	0.69	---
BOILERS SP1/SP2	Boilers SP1 and SP2	NO <sub>x</sub>		3.56
		CO		2.71
		VOC		0.14
		SO <sub>2</sub>		1.76
		PM <sub>10</sub>		0.50
		PM <sub>2.5</sub>		0.50

- (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) 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 - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide

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- (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: January 29, 2015