

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 20983

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	
			lbs/hour	TPY (4)
Boilers Firing Natural Gas				
1	Boiler No.1	PM	0.17	-
		PM <sub>10</sub>	0.17	-
		PM <sub>2.5</sub>	0.17	-
		VOC	0.17	-
		SO <sub>2</sub>	0.17	-
		NO <sub>x</sub>	3.78	-
		CO	2.82	-
2	Boiler No. 2	PM	0.42	-
		PM <sub>10</sub>	0.42	-
		PM <sub>2.5</sub>	0.42	-
		VOC	0.42	-
		SO <sub>2</sub>	0.42	-
		NO <sub>x</sub>	16.80	-
		CO	6.89	-

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4	Boiler No. 3	PM	0.25	-
		PM <sub>10</sub>	0.25	-
		PM <sub>2.5</sub>	0.25	-
		VOC	0.21	-
		SO <sub>2</sub>	0.06	-
		NO <sub>x</sub>	1.24	-
		CO	1.27	-
5	Boiler No. 4	PM	0.13	-
		PM <sub>10</sub>	0.13	-
		PM <sub>2.5</sub>	0.13	-
		VOC	0.10	-
		SO <sub>2</sub>	0.03	-
		NO <sub>x</sub>	0.60	-
		CO	0.62	-
Boilers Firing Diesel Fuel (5)				
1	Boiler No. 1	PM	1.02	-
		PM <sub>10</sub>	1.02	-
		PM <sub>2.5</sub>	1.02	-
		VOC	0.17	-
		SO <sub>2</sub>	6.88	-
		NO <sub>x</sub>	7.57	-
		CO	2.82	-

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2	Boiler No. 2	PM	2.49	-
		PM <sub>10</sub>	2.49	-
		PM <sub>2.5</sub>	2.49	-
		VOC	0.42	-
		SO <sub>2</sub>	16.80	-
		NO <sub>x</sub>	18.48	-
		CO	6.89	-
Engine Firing Natural Gas and 6% Diesel Fuel				
3	Engine No. 1- Enterprise DGSR-48 4867-HP	PM	0.48	-
		PM <sub>10</sub>	0.48	-
		PM <sub>2.5</sub>	0.48	-
		VOC	10.30	-
		SO <sub>2</sub>	0.32	-
		NO <sub>x</sub>	53.65	-
		CO	21.57	-
Engine Firing Diesel Fuel (6)				
3	Engine No. 1- Enterprise DGSR-48 4867-HP	PM	0.61	-
		PM <sub>10</sub>	0.61	-
		PM <sub>2.5</sub>	0.59	-
		VOC	0.86	-
		SO <sub>2</sub>	10.73	-
		NO <sub>x</sub>	128.76	-
		CO	21.46	-
Cooling Towers				
6	Cooling Tower No. 1	PM	0.75	-

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		PM <sub>10</sub>	0.75	-
		PM <sub>2.5</sub>	0.75	-
7	Cooling Tower No. 2	PM	0.75	-
		PM <sub>10</sub>	0.75	-
		PM <sub>2.5</sub>	0.75	-
Cumulative Annual Limits for all EPNs				
1 thru 7	Boilers Nos. 1-4, Engine No. 1, and Cooling Towers Nos. 1-2	PM	-	8.57
		PM <sub>10</sub>	-	8.57
		PM <sub>2.5</sub>	-	8.57
		VOC	-	13.33
		SO <sub>2</sub>	-	2.52
		NO <sub>x</sub>	-	98.98
		CO	-	40.99

- (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> - total particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) The use of diesel fuel is limited to 48 hrs/yr per boiler
- (6) The use of diesel fuel is limited to 235 hrs/yr for the engine.

Date: May 20, 2013