

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 46189

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)
BLR-7	Boiler No. 7 (Firing Natural Gas)	NO <sub>x</sub>	5.45	—
		CO	9.97	—
		VOC	0.82	—
		SO <sub>2</sub>	0.09	—
		PM	1.13	—
		PM <sub>10</sub>	1.13	—
		PM <sub>2.5</sub>	1.13	—
BLR-7	Boiler No. 7 (Firing No. 2 Fuel Oil) (5)	NO <sub>x</sub>	10.80	—
		CO	5.40	—
		VOC	0.22	—
		SO <sub>2</sub>	7.67	—
		PM	3.57	—
		PM <sub>10</sub>	3.57	—
		PM <sub>2.5</sub>	3.57	—
BLR-7	Boiler No. 7 (Annual Allowables)	NO <sub>x</sub>	—	8.61
		CO	—	43.67
		VOC	—	3.58
		SO <sub>2</sub>	—	3.13
		PM	—	5.84
		PM <sub>10</sub>	—	5.84
		PM <sub>2.5</sub>	—	5.84

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
BLR-8	Boiler No. 8 (Firing Natural Gas)	NO <sub>x</sub>	5.45	—
		CO	9.97	—
		VOC	0.82	—
		SO <sub>2</sub>	0.09	—
		PM	1.13	—
		PM <sub>10</sub>	1.13	—
		PM <sub>2.5</sub>	1.13	—
BLR-8	Boiler No. 8 (Firing No. 2 Fuel Oil) (5)	NO <sub>x</sub>	10.80	—
		CO	5.40	—
		VOC	0.22	—
		SO <sub>2</sub>	7.67	—
		PM	3.57	—
		PM <sub>10</sub>	3.57	—
		PM <sub>2.5</sub>	3.57	—
BLR-8	Boiler No. 8 (Annual Allowables)	NO <sub>x</sub>	—	8.61
		CO	—	43.67
		VOC	—	3.58
		SO <sub>2</sub>	—	3.13
		PM	—	5.84
		PM <sub>10</sub>	—	5.84
		PM <sub>2.5</sub>	—	5.84

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
BLR-2	Boiler No. 2 (Firing Natural Gas)	NO <sub>x</sub>	4.90	6.44
		CO	12.06	52.91
		VOC	0.88	3.86
		SO <sub>2</sub>	0.10	0.42
		PM	1.22	5.33
		PM <sub>10</sub>	1.22	5.33
		PM <sub>2.5</sub>	1.22	5.33
CHP-1	CHP Unit 1	NO <sub>x</sub>	10.71	40.22
		CO	64.25	234.51
		VOC	7.79	17.00
		PM	13.00	56.94
		PM <sub>10</sub>	13.00	56.94
		PM <sub>2.5</sub>	13.00	56.94
		SO <sub>2</sub>	4.65	10.19
		H <sub>2</sub> SO <sub>4</sub>	0.71	1.56
		NH <sub>3</sub>	11.31	34.68
CHP-1	CHP Unit 1 (MSS emissions) (7)	NO <sub>x</sub>	203.00	—
		CO	923.00	—
		VOC	18.00	—
FUGNGCHP	CHP Natural Gas Fugitives (6)	VOC	0.15	0.64
FUGNH3	Ammonia Fugitives (6)	NH <sub>3</sub>	0.18	0.78
CTF102 – CTF106	West Cooling Tower	PM	2.00	8.77
		PM <sub>10</sub>	2.00	8.77
		PM <sub>2.5</sub>	2.00	8.77

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
CTF601 – CTF610	Chiller Building Cooling Tower	PM	4.00	17.53
		PM <sub>10</sub>	4.00	17.53
		PM <sub>2.5</sub>	4.00	17.53

- (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  
 NH<sub>3</sub> - ammonia  
 H<sub>2</sub>SO<sub>4</sub> - sulfuric acid mist  
 MSS- - maintenance, start-up and shut-down
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rates are based on the firing of No. 2 fuel oil 720 hr/year.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (7) Annual MSS limits are included within normal operation ton per year limits. Pollutants not shown are subject to normal operation emission limits even during MSS.

Date: February 22, 2022