EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56473

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)	Emission Rates * lb/hr	Emission Rates * TPY**
116S-B101	Steam Boiler 101 (6)	CO	12.38	54.21
	Natural Gas	NO_x	78.00	341.64
		PM_{10}	4.24	
		SO_2	0.33	
		VOC	3.07	
	Liquid Fuel (6)	CO	12.38	10.68
	NO_x	78.00	67.50	
		PM_{10}	2.10	
		SO_2	4.98	
		VOC	0.22	
	Natural Gas/Liquid Fuel Mix (6)	CO	12.35	54.10
	NO_x	78.00	341.64	
		PM_{10}	5.90	
		SO_2	5.28	
		VOC	2.97	
	Natural Gas (7)	CO	12.38	54.21
		NO_x	34.16	
		PM_{10}	4.24	
		SO_2	0.33	
		VOC	3.07	
	Liquid Fuel (7)	CO	12.38	10.68
	NO_x	20.80	18.00	
		PM_{10}	2.10	
		SO_2	4.98	
		VOC	0.22	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
	Natural Gas/Liquid Fuel Mix (7)	CO	12.35	54.10
		NO_x 20.80	40.01	
		PM_{10} 2.87	5.90	
		SO_2 5.76	5.28	
		VOC 0.59	2.97	
116S-B102	Steam Boiler 102 (6)	CO	12.38	54.21
	Natural Gas	NO_x	50.70	222.07
		PM_{10} 0.97	4.24	
		SO_2 0.08	0.33	
		VOC 0.70	3.07	
	Liquid Fuel (6)	CO	12.38	10.68
	NO_x	50.70	43.88	
		PM_{10} 2.42	2.10	
		SO_2 5.76	4.98	
		VOC 0.25	0.22	
	Natural Gas/Liquid Fuel Mix (6)	CO	12.35	54.10
	NO_x	50.70	222.07	
		PM_{10} 2.87	5.90	
		SO_2 5.76	5.28	
		VOC 0.59	2.97	
	Natural Gas (7)	CO	12.38	54.21
		NO_x 7.80	34.16	
		PM_{10} 0.97	4.24	
		SO_2 0.08	0.33	
		VOC 0.70	3.07	
	Liquid Fuel (7)	CO	12.38	10.68
	NO_x	20.80	18.00	
		PM_{10} 2.42	2.10	
		SO_2 5.76	4.98	
		VOC 0.25	0.22	
	Natural Gas/Liquid Fuel Mix (7)	CO	12.35	54.10

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
	NO_x	20.80	40.01	
		PM_{10} 2.87	5.90	
		SO_2 5.76	5.28	
		VOC 0.59	2.97	
116S-B103	Steam Boiler 103	CO	12.38	54.21
		NO_x 7.80	34.16	
		PM_{10} 0.97	4.24	
		SO_2 0.08	0.33	
		VOC 0.70	3.07	
	Liquid Fuel	CO	12.38	10.68
		NO_x 7.80	6.75	
		PM_{10} 2.42	2.09	
		SO_2 5.76	4.98	
		VOC 0.25	0.22	
	Natural Gas/Liquid Fuel Mix	CO	12.35	54.10
	NO_x	7.80	34.16	
		PM_{10} 2.87	5.90	
		SO_2 5.76	5.28	
		VOC 0.59	2.97	
116S-B104	Steam Boiler 104 (6)	CO	12.38	54.21
	Natural Gas	NO_x	65.00	284.70
		PM_{10} 0.97	4.24	
		SO_2 0.08	0.33	
		VOC 0.70	3.07	
	Liquid Fuel (6)	CO	12.38	10.68
	NO_x	65.00	56.25	
		PM_{10} 2.42	2.10	
		SO_2 5.76	4.98	
		VOC 0.25	0.22	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
	Natural Gas/Liquid Fuel Mix (6)	CO	12.35	54.10
		NO_x	65.00	284.70
		PM_{10}	2.87	5.90
		SO_2	5.76	5.28
		VOC	0.59	2.97
	Natural Gas (7)	CO	12.38	54.21
		NO_x	7.80	34.16
		PM_{10}	0.97	4.24
		SO_2	0.08	0.33
		VOC	0.70	3.07
	Liquid Fuel (7)	CO	12.38	10.68
		NO_x	20.80	18.00
		PM_{10}	2.42	2.10
		SO_2	5.76	4.98
		VOC	0.25	0.22
	Natural Gas/Liquid Fuel Mix (7)	CO	12.35	54.10
		NO_x	20.80	40.01
		PM_{10}	2.87	5.90
		SO_2	5.76	5.28
		VOC	0.59	2.97
116S-B105	Steam Boiler 105	CO	12.38	54.21
	Natural Gas	NO_x	7.80	34.16
		PM_{10}	0.97	4.24
		SO_2	0.08	0.33
		VOC	0.70	3.07
	Liquid Fuel	CO	12.38	10.68
		NO_x	7.80	6.75
		PM_{10}	0.97	4.24
		SO_2	0.08	0.33
		VOC	0.70	3.07

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
	Natural Gas/Liquid Fuel Mix	CO	12.35	54.10
		NO_x 7.80	34.16	
		PM_{10} 2.87	5.90	
		SO_2 5.76	5.28	
		VOC 0.59	2.97	
116S-B106	Steam Boiler 106	CO	19.53	85.52
		NO_x 15.84	85.52	
		PM_{10} 2.01	8.79	
		SO_2 0.16	0.69	
		VOC 1.45	8.79	
116CT-MAIN	Cooling Tower (5)	VOC	1.78	7.80
130T-F406	Storage Tank 1F-406	VOC	0.01	0.04
130WF	Isoprene Wastewater (5)	Acetone	0.64	2.58
		VOC (6)	0.0	0.0
		VOC (7)	0.0	0.0
116F	830 Refrigeration (4) Process Fugitives	VOC	1.93	8.44

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM_{10} - 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.
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1.
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Emissions from this permitted facility are emitted from this EPN.

(6) Pre-emission control
(7) Post-emission control

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year

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