

AIR CONTAMINANTS DATA

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20041

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.

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**Case 1: Hourly Rates are Based on Gas Only
Firing. Annual Rates are Based on both Gas and Liquid Fuel Firing.**

TC1	Test Cell 1	NO _x	106.9	100.2
		CO	84.8	27.7
		VOC	46.6	9.4
		SO ₂	2.0	2.9
		PM	5.3	10.7
TC2	Test Cell 2	NO _x	8.0	8.7
		CO	15.3	9.2
		VOC	3.9	0.9
		SO ₂	0.3	0.8
		PM	0.7	1.9
TC3	Test Cell 3	NO _x	35.0	35.9
		CO	84.8	19.4
		VOC	13.5	1.8
		SO ₂	1.1	2.7
		PM	2.5	10.7

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
TC4	Test Cell 4	NO _x	106.9	100.2
		CO	84.8	27.7
		VOC	46.6	9.4
		SO ₂	2.0	2.9
		PM	5.3	10.7
TC5	Test Cell 5	NO _x	192.8	83.2
		CO	30.0	19.0
		VOC	8.8	5.7
		SO ₂	3.8	4.2
		PM	8.5	7.7
TC6	Test Cell 6	NO _x	192.8	83.2
		CO	30.0	19.0
		VOC	8.8	5.7
		SO ₂	3.8	4.2
		PM	8.5	7.7
TC7	Test Cell 7	NO _x	192.8	83.2
		CO	30.0	19.0
		VOC	8.8	5.7
		SO ₂	3.8	4.2
		PM	8.5	7.7
Case 2: Fuel Firing Only. Annual Rates are Based on both Gas and Liquid Fuel Firing.		Hourly Rates are Based on Liquid Fuel Firing.		
TC1	Test Cell 1	NO _x	181.5	100.2
		CO	41.3	27.7
		VOC	14.3	9.4
		SO ₂	7.5	2.9
		PM	15.7	10.7

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY
TC2	Test Cell 2	NO _x	12.3	8.7
		CO	30.8	9.2
		VOC	3.9	0.9
		SO ₂	1.2	0.8
		PM	3.5	1.9
TC3	Test Cell 3	NO _x	49.4	35.9
		CO	30.8	19.4
		VOC	3.8	1.8
		SO ₂	4.0	2.7
		PM	15.7	10.7
TC4	Test Cell 4	NO _x	181.5	100.2
		CO	41.3	27.7
		VOC	14.3	9.4
		SO ₂	7.5	2.9
		PM	15.7	10.7
TC5	Test Cell 5	NO _x	338.8	83.2
		CO	30.0	19.0
		VOC	8.8	5.7
		SO ₂	14.1	4.2
		PM	12.1	7.7
TC6	Test Cell 6	NO _x	338.8	83.2
		CO	30.0	19.0
		VOC	8.8	5.7
		SO ₂	14.1	4.2
		PM	12.1	7.7
TC7	Test Cell 7	NO _x	338.8	83.2
		CO	30.0	19.0
		VOC	8.8	5.7
		SO ₂	14.1	4.2
		PM	12.1	7.7
F1	Process Fugitives(4)	VOC	0.3	0.3
F2	Process Fugitives(4)	VOC	0.3	0.3

S1	Oil/Water Separator	VOC	0.1	0.2
CT1	Cooling Tower	VOC	0.1	0.4
CT2	Cooling Tower	VOC	0.1	0.4
CT3	Cooling Tower	VOC	0.1	0.4

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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_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀
PM₁₀ - 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) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u> lb/hr	<u>TPY</u>
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Date_____