

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 43833

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	TPY**
1	Engine Testing Facilities Research Area	NO <sub>x</sub>	580	300
		CO	580	300
		VOC	140	65
		SO <sub>2</sub>	90	35
		PM	75	30
		Lead	0.5	0.25
2	Chemical and Engineering Research Facilities Area	VOC	15	15
3	Fire Technology Research Area	NO <sub>x</sub>	7	2.5
		CO	5.5	2
		VOC	5.5	2
		SO <sub>2</sub>	2.7	1
		PM	40	15
4	Metering Research Facility Flare	NO <sub>x</sub>	2	0.5
		CO	0.4	0.1
		VOC	0.04	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		PM	0.03	0.01
5	Metering Research Facility Gas Turbine	NO <sub>x</sub>	12	6
		CO	12	6
		VOC	10	5
		SO <sub>2</sub>	0.2	0.1
		PM	0.3	0.15
50	VOC Storage Tanks Group	VOC	15.5	45
10	Building 50 High-Pressure Parts Washer	VOC	3.2	0.8

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AIR CONTAMINANTS DATA

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

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			lb/hr	TPY**
11	Building 58 High-Pressure Parts Washer	VOC	3.2	0.8
12	Building 75 High-Pressure Parts Washer No. 1	VOC	2.0	0.5
13	Building 75 High-Pressure Parts Washer No. 2	VOC	2.0	0.5
14	Building 75 High-Pressure Parts Washer No. 3	VOC	2.0	0.5
15	Building 75 High-Pressure Parts Washer No. 4	VOC	2.0	0.5
16	Building 99 High-Pressure Parts Washer	VOC	3.2	0.8
17	Building 131 High-Pressure Parts Washer	VOC	4.0	1.0
18	Building 142 High-Pressure Parts Washer	VOC	4.0	1.0
19	Building 156 High-Pressure Parts Washer	VOC	4.0	1.0
20	Building 171 High-Pressure Parts Washer	VOC	4.0	1.0
23	Large Paint Spray Booth Buildings and Grounds Building 152	VOC	1.2	0.3
24	Small Paint Spray Booth Buildings and Grounds Building 152	VOC	1.2	0.3

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25	Paint Spray Booth Building 53	VOC	0.5	0.1
26	Paint Spray Booth Building 68	VOC	0.5	0.1
27	Paint Spray Booth Building 168, Signals Research	VOC	7.2	1.5
28	Paint Spray Booth Temporary Building 8 Space Sciences	VOC	0.5	0.1
29	Paint Spray Booth Temporary Building 10 Space Sciences	VOC	0.5	0.1
30	Emergency Generator Building 82	NO <sub>x</sub>	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO <sub>2</sub>	1.0	0.05
		PM	1.0	0.05
31	Emergency Generator Building 90	NO <sub>x</sub>	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO <sub>2</sub>	1.0	0.05
		PM	1.0	0.05
32	Emergency Generator Building 146	NO <sub>x</sub>	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO <sub>2</sub>	1.0	0.05
		PM	1.0	0.05

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			lb/hr	TPY**
33	Emergency Generator Building 180	NO <sub>x</sub>	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO <sub>2</sub>	1.0	0.05
		PM	1.0	0.05
34	Emergency Generator Building 146	NO <sub>x</sub>	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO <sub>2</sub>	1.0	0.05
		PM	1.0	0.05
35	Emergency Generator Fire Water Pumps	NO <sub>x</sub>	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO <sub>2</sub>	1.0	0.05
		PM	1.0	0.05
36	Emergency Generator Building 124	NO <sub>x</sub>	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO <sub>2</sub>	1.0	0.05
		PM	1.0	0.05
37	Emergency Generator West Campus Booster Station	NO <sub>x</sub>	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO <sub>2</sub>	1.0	0.05
		PM	1.0	0.05

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38	Emergency Generator Backup for Booster Station	NO <sub>x</sub>	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO <sub>2</sub>	1.0	0.05
		PM	1.0	0.05

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

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

\_\_\_\_\_ Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year or 8,760 Hrs/year

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

Dated December 31, 2002