

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
1	Engine Testing Facilities Research Area	NO _x	580	300
		CO	580	300
		VOC	140	65
		SO ₂	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 _x	23	2.9
		CO	226	7.0
		VOC	83.5	3.8
		SO ₂	5.3	1.1
		PM	40	15
		PM ₁₀	4.0	0.21
		SiO ₂ (as PM _{2.5})	2.8	0.14
4	Metering Research Facility Flare	NO _x	4.28	0.2
		CO	23.3	1.0
		VOC	8.82	0.4
		SO ₂	<0.01	<0.01
		PM	0.33	0.03
5	Metering Research Facility Gas Turbine	NO _x	12	6
		CO	12	6
		VOC	10	5
		SO ₂	0.2	0.1
		PM	0.3	0.15

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			lb/hr	TPY**
50	VOC Storage Tanks Group	VOC	15.5	45
10 through 20	High-Pressure Parts Washers (10) total	VOC	33.6	8.4
23 and 24	Paint Spray Booths Buildings and Grounds Building 152	VOC	12.0	2.5
26	Paint Spray Booth Building 68	VOC	0.5	0.1
27	Paint Spray Booth Building 173, Signals Research	VOC	7.2	1.5
28	Paint Spray Booth Building G Space Sciences	VOC	0.5	0.1
29	Paint Spray Booth Building 223 Space Sciences	VOC	0.5	0.1
31	Emergency Generator Building 90	NO _x	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO ₂	1.0	0.05
		PM	1.0	0.05
32	Emergency Generator Building 146	NO _x	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO ₂	1.0	0.05
		PM	1.0	0.05
33	Emergency Generator Building 180	NO _x	6.0	0.3
		CO	5.0	0.25

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			lb/hr	TPY**
		VOC	2.0	0.1
		SO ₂	1.0	0.05
		PM	1.0	0.05
34	Emergency Generator Building 146	NO _x	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO ₂	1.0	0.05
		PM	1.0	0.05
35	Emergency Generator Fire Water Pumps	NO _x	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO ₂	1.0	0.05
		PM	1.0	0.05
36	Emergency Generator Building 124	NO _x	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO ₂	1.0	0.05
		PM	1.0	0.05
37	Emergency Generator West Campus Booster Station	NO _x	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO ₂	1.0	0.05
		PM	1.0	0.05
38	Emergency Generator Backup for Booster Station	NO _x	6.0	0.3
		CO	5.0	0.25
		VOC	2.0	0.1
		SO ₂	1.0	0.05
		PM	1.0	0.05
39	Emergency Generator Building 227	NO _x	6.7	0.33
		CO	1.5	0.1
		VOC	0.53	0.03
		SO ₂	0.50	0.02

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			lb/hr	TPY**
40	Emergency Generator Building 209	PM	0.50	0.02
		NO _x	6.7	0.33
		CO	1.5	0.1
		VOC	0.53	0.03
		SO ₂	0.50	0.02
		PM	0.50	0.02

(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) NO_x - total oxides of nitrogen

CO - carbon monoxide

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

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}

PM₁₀ - particulate matter equal to or less than 10 microns in diameter.

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter.

SiO₂ - silicon 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.

Date September 22, 2008