

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 _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 |
| 50 | VOC Storage Tanks Group | VOC | 15.5 | 45 |

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| 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 |
| 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 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 |

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| | | | lb/hr | TPY** |
| 33 | Emergency Generator Building 180 | 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 |
| 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 |

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| | | | lb/hr | TPY** |
| 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 |
| | | PM | 0.50 | 0.02 |
| | | | | |
| 40 | Emergency Generator Building 209 | 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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

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

CO - carbon monoxide

SO₂ - sulfur dioxide

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.

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Dated December 22, 2005