

Emission Sources - Maximum Allowable Emission Rates

Permit Number 96726

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, sources, and related activities. 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 | |
|---------------------------|---------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | tpy (4) |
| B-1 | Boiler 1 (30 MMBtu/hr) | NO _x | 1.08 | 4.73 |
| | | CO | 0.84 | 3.69 |
| | | VOC | 0.44 | 1.91 |
| | | SO ₂ | 0.02 | 0.08 |
| | | PM | 0.06 | 0.24 |
| B-2 | Boiler 2 (30 MMBtu/hr) | NO _x | 1.08 | 4.73 |
| | | CO | 0.84 | 3.69 |
| | | VOC | 0.44 | 1.91 |
| | | SO ₂ | 0.02 | 0.08 |
| | | PM | 0.06 | 0.24 |
| BF-1 | Scrubber/Biofilter | NH ₃ | 0.01 | 0.01 |
| | | H ₂ S | 0.02 | 0.07 |
| CT-1 | Cooling Tower | VOC | 0.06 | 0.28 |
| | | NH ₃ | 1.60 | 7.01 |
| | | PM | 0.69 | 3.04 |
| | | PM ₁₀ | 0.63 | 2.76 |
| | | PM _{2.5} | 0.01 | 0.01 |

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| | | | | |
|------|--|-----------------|-------|------|
| EG-1 | Emergency Generator 1 (402.3 hp, 300 KW) | NO _x | 5.28 | 0.08 |
| | | CO | 0.59 | 0.01 |
| | | VOC | 0.04 | 0.01 |
| | | SO ₂ | 0.12 | 0.01 |
| | | PM | 0.06 | 0.01 |
| EG-2 | Emergency Generator 2 (469.35 hp, 350 KW) | NO _x | 4.50 | 0.07 |
| | | CO | 0.56 | 0.01 |
| | | VOC | 0.06 | 0.01 |
| | | SO ₂ | 0.96 | 0.01 |
| | | PM | 0.05 | 0.01 |
| EG-3 | Emergency Generator 3 (1005.75 hp, 750 KW) | NO _x | 28.16 | 0.42 |
| | | CO | 10.86 | 0.16 |
| | | VOC | 1.11 | 0.02 |
| | | SO ₂ | 0.29 | 0.01 |
| | | PM | 0.55 | 0.01 |
| EG-4 | Emergency Generator 4 (1206.7 hp, 900 KW) | NO _x | 10.78 | 0.16 |
| | | CO | 1.54 | 0.02 |
| | | VOC | 0.21 | 0.01 |
| | | SO ₂ | 0.27 | 0.01 |
| | | PM | 0.29 | 0.01 |
| F-1 | Hot Oil Furnace (12 MMBtu/hr) | NO _x | 0.43 | 1.89 |
| | | CO | 0.99 | 4.33 |
| | | VOC | 0.06 | 0.28 |
| | | SO ₂ | 0.01 | 0.03 |

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| | | | | |
|----------|--|-----------------|------|-------|
| | | PM | 0.02 | 0.10 |
| FIREPUMP | Fire Water Pump (134.1 hp, 100 KW) | NO _x | 0.59 | 0.01 |
| | | CO | 0.17 | 0.01 |
| | | VOC | 0.01 | 0.01 |
| | | SO ₂ | 0.04 | 0.01 |
| | | PM | 0.02 | 0.01 |
| FUG-1 | Fugitives (5) | VOC | 1.70 | 7.45 |
| | | NH ₃ | 2.34 | 10.27 |
| FL-1 | Flare Normal Operations | NO _x | 0.01 | 0.06 |
| | | CO | 0.07 | 0.32 |
| | | VOC | 0.01 | 0.01 |
| FL-1-MSS | Flare Maintenance, Startup, and Shutdown (MSS) Activities | NO _x | 0.01 | 0.01 |
| | | CO | 0.01 | 0.01 |
| | | VOC | 1.62 | 0.01 |
| ATM-MSS | Vent to Atmosphere MSS | VOC | 2.63 | 0.06 |
| VAC-MSS | Vacuum Truck MSS | VOC | 0.93 | 0.01 |

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NH₃ - ammonia
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

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PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented

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

H₂S - hydrogen sulfide

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: _____