

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19942

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 | Boiler No. 1 | PM/PM ₁₀ | 0.98 | 3.39 |
| | | SO ₂ | 12.64 | 41.40 |
| | | NO _x | 6.65 | 24.91 |
| | | CO | 3.52 | 13.16 |
| | | VOC | 0.23 | 0.86 |
| 2 | Boiler No. 2 | PM/PM ₁₀ | 0.98 | 3.39 |
| | | SO ₂ | 12.64 | 41.40 |
| | | NO _x | 6.65 | 24.91 |
| | | CO | 3.52 | 13.16 |
| | | VOC | 0.23 | 0.86 |
| 3 | Room Air Scrubber No. 1 Stack (Venturi Scrubber and Packed Tower Scrubber) | Odor (5) | -- | -- |
| 4 | Room Air Scrubber No. 2 Stack | Odor (5) | -- | -- |
| 5 | Feather Dryer Scrubber Stack | PM/PM ₁₀ | 2.39 | 9.31 |
| | | SO ₂ | 4.53 | 1.66 |
| | | NO _x | 2.38 | 8.82 |
| | | CO | 1.26 | 4.66 |
| | | VOC | 0.08 | 0.31 |
| | | Odor (5) | -- | -- |

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| Emission Point No. (1) | Source Name (2) | AIR CONTAMINANTS DATA | | |
|---------------------------|------------------------|-----------------------------|-----------------------|------------|
| | | Air Contaminant Name (3) | <u>Emission Rates</u> | |
| | | | <u>lb/hr</u> | <u>TPY</u> |
| 6 | Boiler No. 3 | PM/PM ₁₀ | 0.33 | 1.25 |
| | | SO ₂ | 0.50 | 1.88 |
| | | NO _x | 5.32 | 19.93 |
| | | CO | 2.81 | 10.53 |
| | | VOC | 0.18 | 0.69 |
| CTWR 1 | Cooling Tower No.1 | PM/PM ₁₀ | 0.30 | 1.31 |
| LD1 | Loadout Operations (4) | PM/PM ₁₀ | 0.01 | 0.04 |
| FLARE | Lagoon Flare (6) | SO ₂ | 7.94 | 8.94 |
| | | NO _x | 0.46 | 0.52 |
| | | CO | 3.96 | 4.45 |
| | | H ₂ S | 0.09 | 0.10 |
| | | NH ₃ | 1.06 | 0.27 |

- (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) 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. Where Pm is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 H₂S - hydrogen sulfide
 NH₃ - ammonia
- (4) Fugitive emissions are an estimate only.
- (5) Odors shall be maintained at a minimum level.
- (6) The Lagoon Flare is authorized under 30 TAC § 106.492 as of October 26, 2006.

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Date April 20,2007