

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 595

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** |
| 5A | Ferro-selenium Fusion | PM/PM ₁₀ | 0.01 | 0.05 |
| 5B | Selenium Screening | PM/PM ₁₀ | 0.01 | 0.05 |
| 5C | Tellurium Product Dust | PM/PM ₁₀ | 0.01 | 0.05 |
| 5D | Selenium Shotting and (5) Fusion Fuming | PM/PM ₁₀ | 0.33 | 0.22 |
| | | SO ₂ | 0.62 | 0.34 |
| 5F | Tellurium Scrubber | PM/PM ₁₀ | 0.01 | 0.05 |
| 5G | Selenium Scrubber | PM/PM ₁₀ | 0.01 | 0.05 |
| | | SO ₂ | 0.01 | 0.05 |
| 5H | Packaging Baghouse | PM/PM ₁₀ | 0.01 | 0.05 |
| 5I | Omaha Scrubber | PM/PM ₁₀ | 0.01 | 0.05 |
| 5J | Fugitives (4 and 5) General Ventilation Roof Vents, Louvers, and Doors | PM ₁₀ | 0.63 | 0.28 |
| | | SO ₂ | <0.01 | <0.01 |
| 5K | Bismuth Selenide Furnace Burners | NO _x | 0.15 | 0.16 |
| | | CO | 0.13 | 0.14 |
| | | VOC | <0.01 | <0.01 |
| | | PM/PM ₁₀ | 0.01 | 0.01 |
| | | SO ₂ | 0.02 | <0.03 |

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- (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 - total suspended particulate matter (including PM₁₀)
PM₁₀ - PM equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
NO_x - nitrogen oxides
SO₂ - sulfur oxides
CO - carbon monoxide
VOC - volatile organic compounds
SO₂ - sulfur dioxide
- (4) Fugitive emissions are an estimate only.
- (5) Speciated compounds are identified and quantified in the permit application representations.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated July 28, 2006