

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 594

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 |
| 4A | Gold Kettles Scrubber Stack | PM/PM ₁₀ | 2.20 | 7.60 |
| | | NO _x | 2.70 | 9.20 |
| | | SO ₂ | 0.01 | 0.03 |
| | | CO | 0.06 | 0.20 |
| | | VOC | 0.05 | 0.16 |
| | | HNO ₃ | 6.30 | 22.00 |
| 4B | By-Products Fabric Filter and ESP Stack | PM | 27.50 | 120.50 |
| | | PM ₁₀ | 14.40 | 63.10 |
| | | NO _x | 0.84 | 3.70 |
| | | SO ₂ | 62.20 | 272.40 |
| | | CO | 113.70 | 498.20 |
| | | VOC | 32.50 | 142.30 |
| 4C | Slimes Leach Tanks | H ₂ SO ₄ | 0.02 | 0.09 |
| 4D | Gold and Silver Melt Furnace Fabric Filter Stack | PM/PM ₁₀ | 0.50 | 2.20 |
| | | SO ₂ | 0.02 | 0.10 |
| | | CO | 1.10 | 4.80 |
| | | VOC | 1.30 | 5.70 |
| 4E | Slag Crusher Baghouse Stack | PM/PM ₁₀ | 0.60 | 1.30 |
| F-4 | Fugitives (4) | PM | 0.60 | 2.65 |
| | | PM ₁₀ | 0.35 | 1.51 |
| | | NO _x | 0.06 | 0.20 |
| | | SO ₂ | 1.50 | 6.60 |
| | | CO | 2.70 | 12.10 |
| | | VOC | 0.80 | 3.60 |

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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 - particulate matter, suspended in the atmosphere, including PM₁₀. (including species)
PM₁₀ - particulate matter 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 (including species).
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (including Species)
HNO₃ - nitric acid
H₂SO₄ - sulfuric acid
- (4) Fugitive emissions are an estimate only.

Dated November 2, 2006