

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 7534A

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 (4) |
| EP-10 | Baghouse (Fume Hood Vent System) 0.53 | PM ₁₀ | 4.07 | 17.96 |
| | | VOC | | 0.12 |
| | | HCl | 1.56 | 6.86 |
| EP-12a | Smelt Furnace Stack 0.34 | PM | 0.45 | 1.51 |
| | | VOC | | 0.09 |
| | | VOC | (5) | 0.22 |
| | | NO _x | 4.57 | 16.32 |
| | | NO _x (5) | 7.67 | |
| | | SO ₂ | 0.46 | 2.42 |
| | | SO ₂ (6) | 7.40 | |
| | | CO | 1.14 | 3.98 |
| EP-12b | Smelt Furnace Stack 0.34 | CO (5) | 1.31 | |
| | | PM | 0.45 | 1.51 |
| | | VOC | | 0.09 |
| | | VOC | (5) | 0.22 |
| | | NO _x | 4.57 | 16.32 |
| | | NO _x (5) | 7.67 | |
| | | SO ₂ | 0.46 | 2.42 |
| | | SO ₂ (6) | 7.40 | |

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| | | | | |
|--------|---------------------|---------------------|------|------|
| EP-12c | Smelt Furnace Stack | CO | 1.14 | 3.98 |
| | | CO (5) | 1.31 | |
| | | PM | 0.23 | 0.52 |
| | | VOC | | 0.05 |
| | | | | |
| | | VOC | (5) | 0.11 |
| | | NO _x | 2.28 | 5.73 |
| | | NO _x (5) | 3.78 | |
| | | SO ₂ | 0.23 | 0.81 |
| | | SO ₂ (6) | 3.68 | |
| | | CO | 0.57 | 1.38 |
| | 0.13 | CO (5) | 0.65 | |

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|---------------------|-----------------------------|------------------|---------|
| | | | lb/hr | TPY (4) |
| EP-12d | Smelt Furnace Stack | | | |
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| | | | | |
| | 0.13 | PM | 0.23 | 0.52 |
| | | VOC | | 0.05 |
| | | VOC | (5) | 0.11 |
| | | NO _x | 2.28 | 5.73 |
| | | NO _x (5) | 3.78 | |
| | | SO ₂ | 0.23 | 0.81 |
| | | SO ₂ (6) | 3.68 | |
| | | CO | 0.57 | 1.38 |
| | | CO (5) | 0.65 | |

- (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
 - PM₁₀ - particulate matter less than 10 microns in diameter
 - VOC - volatile organic compounds as defined in General Rule 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - HCl - hydrogen chloride
- (4) annual emission rates include 336 hours of propane fuel use and 336 hours of diesel fuel use
- (5) maximum hourly emission rate when burning propane
- (6) maximum hourly emission rate when burning diesel fuel

* 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

Dated_____

