

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

3404

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 |
| F1 | Scrap Handling (4) | TSP** | 2.45 | 6.03 |
| | | PM10** | 1.63 | 4.01 |
| F2 | Treatment(4) | TSP* | 0.22 | 0.54 |
| | | PM10* | 0.09 | 0.22 |
| F3 | Pouring(4) | TSP* | 0.76 | 1.88 |
| | | PM10* | 0.76 | 1.88 |
| F4 | Shakeout(4) | TSP*** | 0.88 | 2.16 |
| | | PM10*** | 0.61 | 1.51 |
| F5 | Melting(4) | TSP* | 0.49 | 1.22 |
| | | PM10* | 0.49 | 1.22 |
| 47A and B | Unit 28 Baghouses Stack | PM10** | 0.99 | 2.44 |
| 47N and O | Disa Baghouses Stack | PM10** | 0.96 | 2.36 |
| 47Q | Venturi Rod Scrubber Stack | PM10** | 1.88 | 4.63 |
| 47J | Venturi Rod Scrubber Stack | PM10** | 1.80 | 4.43 |
| 47C | Mg Treatment Baghouse Stack | PM10* | 0.40 | 0.97 |

| | | | | |
|---------------------|-------------------------------|---------|------|------|
| 47R, F, H, and D | Grinder Filter Stack | PM10* | 0.08 | 0.21 |
| 47P | Bond System Baghouse Stack | PM10*** | 0.51 | 0.31 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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) TSP - total suspended particulate matter (including PM10).
PM10 - particulate matter less than 10 microns
 - * - PM emissions consist mainly of iron oxide
 - ** - PM emissions consist of iron oxides and sand
 - *** - PM emissions consist mainly of sand
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

Emission rates are based on the emissions due to the operation of all Electric Induction Furnaces Nos. 1, 2, 4 and 5 and their associated production lines, but the individual charging, melting and discharging of Furnaces Nos. 1, 2 and 4 are grandfathered operations. These emissions are included herein for simplicity of total emissions determination. The facilities are limited by the following maximum operating schedule and production rates:

Hrs/day 24 Days/week 6 Weeks/year 50 or Hrs/year 7,200

Total Facility Production Tons/hour 27.4 Tons/year 135,000

Revised _____

Revised_____