

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1627

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 |
| BAGV1 | Electric Arc Furnaces Nos. 1 and 2 Baghouse Stack (4) | PM/PM ₁₀ | 6.00 | 19.80 |
| | | NO _x | 2.00 | 4.20 |
| | | CO | 50.00 | 105.00 |
| | | VOC | 3.00 | 6.30 |
| POURFUG1 | Pouring Operations Fugitives | PM | 1.15 | 3.03 |
| | | PM ₁₀ | 0.04 | 0.12 |
| | | NO _x | <0.01 | 0.02 |
| | | VOC | 4.54 | 8.15 |
| BAGV4 | Shakeout Stations and Barrel Breakdown Baghouse Stack | PM/PM ₁₀ | 6.52 | 17.52 |
| | | NO _x | 0.01 | 0.02 |
| | | VOC | 3.03 | 8.15 |
| BAGV5 | Cooler Classifier System Baghouse Stack | PM/PM ₁₀ | 0.37 | 1.62 |
| | | VOC | 0.01 | 0.02 |
| BAGV6 | Thermal Sand Reclaimer System Baghouse Stack | PM/PM ₁₀ | 1.63 | 6.10 |
| | | NO _x | 0.55 | 2.04 |
| | | CO | 0.13 | 0.47 |
| | | VOC | 0.82 | 3.06 |
| BAGV7 | Sand Silos (5 Silos) Baghouse Stack | PM/PM ₁₀ | 2.57 | 10.87 |
| | | VOC | 0.03 | 0.11 |
| BAGV9 | Cooler Classifier Baghouse Stack | PM/PM ₁₀ | 0.34 | 1.50 |
| | | VOC | <0.01 | 0.02 |
| BAGV10 | Induction Furnace | PM/PM ₁₀ | 0.77 | 2.94 |

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Baghouse Stack

| | | | | |
|---------|---------------------------------|---------------------|-------|-------|
| BINV1 | Sand Silo Bin Vent | PM/PM ₁₀ | 0.06 | 0.28 |
| | | VOC | <0.01 | <0.01 |
| CLTWR07 | Cooler Classifier Cooling Tower | PM/PM ₁₀ | 0.04 | 0.18 |
| CLTWR08 | Induction Furnace Cooling Tower | PM/PM ₁₀ | 0.02 | 0.07 |

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an 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
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Emissions are from both Furnace Nos. 1 and 2, with 50 percent of the emissions attributable to each source.

Date August 11, 2008