EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2448

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 |
|---|---|---|---|---|
| 2A | Electric Arc Furnace Baghouse Monovents | PM (5&7) | 27.43 | 115.60 |
| | | $PM_{10}$ (5&7) | 21.94 | 92.50 |
| | | $PM_{2.5}$ (5&7) | 20.30 | 85.54 |
| | | PM (6&7) | 54.86 | 230.02 |
| | | $PM_{10}$ (6&7) | 49.37 | 208.05 |
| | | $PM_{2.5}$ (6&7) | 40.59 | 170.22 |
| | | CO (7) | 440.47 | 1476.54 |
| | | $NO_x$ (7) | 94.15 | 315.60 |
| | | $SO_2$ (7) | 47.07 | 157.80 |
| | | VOC (7) | 47.42 | 158.95 |
| | | Pb (7) | 0.32 | 1.30 |
| | | PM (5&8) | 27.43 | 115.58 |
| | | $PM_{10}$ (5&8) | 20.85 | 87.84 |
| | | $PM_{2.5}$ (5&8) | 20.30 | 85.54 |
| | | PM (6&8) | 54.86 | 231.17 |
| | | $PM_{10}$ (6&8) | 48.27 | 203.43 |
| | | $PM_{2.5}$ (6&8) | 47.73 | 201.12 |
| | | CO (8) | 441.85 | 1481.17 |
| | | $NO_x$ (8) | 94.44 | 316.59 |
| | | $SO_2$ (8) | 47.22 | 158.29 |
| | | VOC (8) | 47.61 | 159.58 |
| | | Pb (8) | 0.32 | 1.34 |
| F-2 | Building Fugitives | PM (7) | 35.60 | 134.20 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates lb/hr | TPY |
|---|---|---|---|---|
| | Electric Arc Furnace | $PM_{10}$ (7) | 28.48 | 107.40 |
| | | $PM_{2.5}$ (7) | 20.80 | 87.66 |
| | | CO (7) | 9.11 | 30.55 |
| | | $NO_x$ (7) | 0.35 | 1.19 |
| | | $SO_2$ (7) | 0.18 | 0.59 |
| | | VOC (7) | 0.24 | 0.80 |
| | | Pb (7) | 0.11 | 0.60 |
| | | PM (8) | 10.85 | 36.36 |
| | | $PM_{10}$ (8) | 8.24 | 27.63 |
| | | PM2.5 (8) | 8.03 | 26.91 |
| | | CO (8) | 0.28 | 0.93 |
| | | $NO_x$ (8) | 0.06 | 0.20 |
| | | $SO_2$ (8) | 0.03 | 0.10 |
| | | VOC (8) | 0.05 | 0.17 |
| | | Pb (8) | 0.03 | 0.10 |
| F-10 | Dolomite Lime Silo (4) | PM | 0.64 | 2.80 |
| | | $PM_{10}$ | 0.32 | 1.40 |
| F-11 | Lime Silo (4) | PM | 1.00 | 4.42 |
| | | $PM_{10}$ | 0.50 | 2.21 |
| P-12 | Lime Silos Baghouse Stack | PM | 0.54 | 2.34 |
| | | $PM_{10}$ | 0.27 | 1.17 |
| F-25 | Continuous Casting Machines - 2 units (4) | PM | 4.86 | 18.30 |
| | | $PM_{10}$ | 4.82 | 18.10 |
| | | VOC | 0.24 | 0.91 |
| 14 | Ladle Refining Furnace | PM (5) | 1.54 | 6.50 |

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates lb/hr | TPY |
|---|---|---|---|---|
| | Baghouse Stack | $PM_{10}$ (5) | 1.23 | 5.20 |
| | | PM (6) | 2.73 | 11.96 |
| | | $PM_{10}$ (6) | 2.43 | 10.66 |
| | | CO | 15.60 | 58.83 |
| | | $NO_x$ | 1.80 | 6.80 |
| | | $SO_2$ | 42.00 | 158.39 |
| | | VOC | 1.20 | 4.53 |
| F-27 | Ladle Preheaters | PM | 0.50 | 2.10 |
| | | CO | 5.50 | 23.18 |
| | | $NO_x$ | 6.55 | 27.60 |
| | | $SO_2$ | 0.04 | 0.17 |
| | | VOC | 0.36 | 1.52 |
| | | Methane | 0.15 | 0.64 |
| 29 | Stores Gasoline Tank 1,000-Gallon Capacity | VOC | 0.01 | 0.04 |
| 31 | Stores Gasoline Tank Loading Facility | VOC | 0.02 | 0.10 |

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) PM - particulate matter, suspended in the atmosphere, including $PM_{10}$.
$PM_{10}$ - 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.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter.
CO - carbon monoxide
$NO_x$ - total oxides of nitrogen
$SO_2$ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) ' 101.1
Pb - lead
(4) Fugitive emissions are an estimate only.
(5) Particulate matter as measured by EPA Method 5, front-half only, for compliance with Federal Standards.
(6) Particulate matter as measured by EPA Method 5, front-half and back-half, for compliance with state regulations.
(7) Prior to completion of melt shop modifications to meet MACT YYYYY requirements.
(8) After compliance with MACT YYYYY requirements.

Dated May 23, 2011