EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 19933 and PSDTX1204

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 | Emission Rates TPY* |
|---|---|---|---|---|
| BH-1A and B | Baghouse 1 Stacks A and B EAF 1 and Ladle Lancing | Total $PM/PM_{10}$ (5) | 8.07 | 35.36 |
| | | VOC | 22.24 | - |
| | | $NO_x$ | 35.06 | - |
| | | CO Pre Mod (6) | 659.00 | - |
| | | CO Post Mod (7) | 427.68 | - |
| | | $SO_2$ | 31.36 | - |
| | | Cd | <0.01 | 0.02 |
| | | Cr | 0.01 | 0.05 |
| | | Ni | <0.01 | 0.01 |
| | | Pb | 0.14 | 0.62 |
| | | Mn | 0.13 | 0.55 |
| | | Zn | 1.65 | 7.23 |
| BH-2A and B | Baghouse 2 Stacks A and B EAF 2 | Total $PM/PM_{10}$ (5) | 14.15 | 61.96 |
| | | VOC | 22.24 | - |
| | | $NO_x$ | 34.93 | - |
| | | CO Pre Mod (6) | 659.00 | - |
| | | CO Post Mod (7) | 427.68 | - |
| | | $SO_2$ | 31.36 | - |
| | | Cd | 0.01 | 0.03 |
| | | Cr | 0.02 | 0.09 |
| | | Ni | 0.003 | 0.02 |
| | | Pb | 0.25 | 1.09 |
| | | Mn | 0.22 | 0.97 |
| | | Zn | 2.89 | 12.67 |
| BH-1A and B; and BH-2A and B | Baghouse 1 and 2 Emission Cap for Both EPNs | VOC | - | 74.13 |
| | | $NO_x$ | - | 116.42 |
| | | CO Pre Mod (6) | - | 2352.24 |
| | | CO Post Mod (7) | - | 1425.60 |

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| | | | | |
|---|---|---|---|---|
| | | $SO_2$ | - | 104.54 |
| LADLANFUG | Ladle Lancing (4) | Total PM | 0.0002 | 0.001 |
| | | $PM_{10}$ | 0.0002 | 0.001 |
| | | VOC | <0.01 | <0.01 |
| | | $NO_x$ | 0.03 | 0.14 |
| | | CO | <0.01 | <0.01 |
| | | $SO_2$ | <0.01 | <0.01 |
| LDLHTRFUG | 4 Ladle Heaters (4) | Total PM | 0.23 | 0.65 |
| | | $PM_{10}$ | 0.06 | 0.16 |
| | | VOC | 0.17 | 0.47 |
| | | $NO_x$ | 3.04 | 8.59 |
| | | CO | 2.55 | 7.21 |
| | | $SO_2$ | 0.02 | 0.05 |
| LIMESILO | Lime Silo Filter Stack | Total $PM/PM_{10}$ | 0.51 | 1.72 |
| BALLFUG | Ball Mill Building (4) Fugitives 1 Hardening Furnace, 1 Tempering Furnace, and Ball Mill Reheat Furnace | Total PM | 0.36 | 1.28 |
| | | $PM_{10}$ | 0.09 | 0.32 |
| | | VOC | 0.26 | 0.92 |
| | | $NO_x$ | 4.74 | 16.82 |
| | | CO | 3.98 | 14.13 |
| | | $SO_2$ | 0.03 | 0.10 |
| EAFBLDGFUG | EAF Building Fugitives (4) EAF 1, EAF 2, Caster, and Tundish Heater | Total PM (5) | 0.26 | 0.45 |
| | | $PM_{10}$ (5) | 0.23 | 0.38 |
| | | VOC | 0.02 | 0.05 |
| | | $NO_x$ | 2.54 | 8.58 |
| | | CO | 0.28 | 0.76 |
| | | $SO_2$ | 0.01 | 0.03 |
| | | Cd | <0.01 | <0.01 |
| | | Cr | <0.01 | <0.01 |
| | | Ni | <0.01 | <0.01 |
| | | Pb | <0.01 | 0.02 |
| | | Mn | <0.01 | 0.01 |
| | | Zn | 0.06 | 0.18 |
| CASTORCH | Caster Torches | Total PM | 0.02 | 0.09 |
| | | $PM_{10}$ | 0.01 | 0.02 |

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| | | | | |
|---|---|---|---|---|
| | | VOC | 0.02 | 0.07 |
| | | $NO_x$ | 0.27 | 1.20 |
| | | CO | 0.23 | 1.01 |
| | | $SO_2$ | <0.01 | <0.01 |
| MILLFUG | Mill Reheat Furnace (4) Fugitives | Total PM | <0.01 | 0.04 |
| | | $PM_{10}$ | <0.01 | 0.01 |
| | | VOC | <0.01 | 0.03 |
| | | $NO_x$ | 0.36 | 1.35 |
| | | CO | 0.11 | 0.40 |
| | | $SO_2$ | <0.01 | <0.01 |
| MRFSTK | Mill Billet Reheat Stack Billet Reheat Furnace | Total PM | 0.96 | 3.62 |
| | | $PM_{10}$ | 0.24 | 0.91 |
| | | VOC | 0.69 | 2.62 |
| | | $NO_x$ | 35.33 | 133.54 |
| | | CO | 10.60 | 40.06 |
| | | $SO_2$ | 0.08 | 0.29 |
| SCRAPLOAD | Scrap Metal Loading and Handling Fugitives | Total PM | 0.84 | 2.82 |
| | | $PM_{10}$ | 0.41 | 1.38 |
| SLAG CAP | Total Slag Emissions-CAP Slag South Disposal Area, Slag Landfill Disposal Area, and Slag North Disposal Area | Total PM | 0.70 | 2.32 |
| | | $PM_{10}$ | 0.35 | 1.16 |
| | | Pb | 0.0007 | 0.0023 |
| MELTSHOPCT | Melt Shop Cooling Tower | Total PM | 0.63 | 2.76 |
| | | $PM_{10}$ | 0.31 | 1.38 |
| ROLLMILLCT | Rolling Mill Cooling Tower | Total PM | 0.88 | 3.90 |
| | | $PM_{10}$ | 0.44 | 1.92 |
| BALLMILLCT | Ball Mill Cooling Tower | Total PM | 0.12 | 0.53 |
| | | $PM_{10}$ | 0.08 | 0.37 |
| ALL | All Sources | Any HAP | | <10.00 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | |
|---|---|
| All HAPS | <25.00 |

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
$NO_x$ - total oxides of nitrogen
$SO_2$ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including $PM_{10}$ and $PM_{2.5}$
$PM_{10}$ - particulate matter equal to or less than 10 microns in diameter
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
Cd - cadmium
Cr - chromium
Ni - nickel
Pb - lead
Mn - manganese
Zn - zinc
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(4) Fugitive emissions are an estimate only.
(5) Speciated metals/HAPs are included in the $PM/PM_{10}$ values.
(6) Pre Mod refers to current EAF exhaust system configuration.
(7) Post Mod refers to the EAF exhaust system configuration following modifications to improve capture and reduce CO emissions.

* Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 20, 2010