## Permit Numbers 8097 and PSDTX138M6

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, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

| Emission<br>Point No. (1) | Source Name (2)   | Air Contaminant<br>Name (3) | Emission Rates (8) |         |
|---------------------------|---|-----------------------------|--------------------|---------|
|                           |   |                             | lbs/hour           | TPY (4) |
| 01                        | Meltshop Overhead Canopy Hoods Baghouse A Stack (6)(7)  (FIN:01-EAF, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Pre-Heater, Ladle Metallurgy Furnaces and Caster Torches)   | PM                          | 13.00              | 54.00   |
|                           |   | PM <sub>10</sub>            | 13.00              | 54.00   |
|                           |   | PM <sub>2.5</sub>           | 9.60               | 40.00   |
|                           |   | со                          |                    |         |
|                           |   | NO <sub>x</sub>             |                    |         |
|                           |   | SO <sub>2</sub>             |                    |         |
|                           |   | voc                         |                    |         |
|                           |   | Pb                          | 0.042              | 0.1518  |
|                           |   | Hg                          | 0.0029             | 0.011   |
|                           |   | Cr                          | 0.0011             | 0.0038  |
|                           |   | Cd                          | 0.0016             | 0.0057  |
| 06                        | Meltshop Overhead Canopy Hoods Baghouse B Stack (6) (7)  (FIN: 04-EAF, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Pre-Heater, Ladle Metallurgy Furnaces and Caster Torches) | PM                          | 21.90              | 91.10   |
|                           |   | PM <sub>10</sub>            | 21.90              | 91.10   |
|                           |   | PM <sub>2.5</sub>           | 16.20              | 67.40   |
|                           |   | СО                          |                    |         |
| 00                        |   | NO <sub>x</sub>             |                    |         |
|                           |   | SO <sub>2</sub>             |                    |         |
|                           | Torones   | VOC                         |                    |         |
|                           |   | Pb                          | 0.073              | 0.2609  |
|                           |   | Hg                          | 0.005              | 0.0179  |
|                           |   | Cr                          | 0.0018             | 0.0065  |
|                           |   | Cd                          | 0.0027             | 0.0098  |
|                           |   | РМ                          | 17.37              | 72.41   |
|                           | Furnace A and B 4 <sup>th</sup> Hole Evacuation and   | PM <sub>10</sub>            | 17.37              | 72.41   |
|                           | Meltshop Overhead Canopy Hood<br>Baghouse C Stack   | PM <sub>2.5</sub>           | 12.85              | 53.38   |
| 07                        | (7)   | СО                          |                    |         |
|                           | (FIN: 01-EAF, 04-EAF, Tundish Pre-<br>5187Eater, Ladle Pre-Heater, Shroud Pre-<br>Heater, Ladle Metallurgy Furnaces and<br>Caster Torches)                                    | NO <sub>x</sub>             |                    |         |
| гтојест мишвет. Зв        |   | SO <sub>2</sub>             |                    |         |

|                          | i   |                   |         |         |
|--------------------------|---|-------------------|---------|---------|
|                          |   | VOC               |         |         |
|                          |   | Pb                | 0.023   | 0.0818  |
|                          |   | Hg                | 0.11    | 0.3949  |
|                          |   | Cr                | 0.0022  | 0.0079  |
|                          |   | Cd                | 0.0013  | 0.0047  |
| 54                       | (7)  (FIN: FURNAFUG, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Ladle Metallurgy Furnaces Pre-Heater, and Caster Torches)                               | PM                | 3.73    | 15.56   |
|                          |   | PM <sub>10</sub>  | 3.73    | 15.56   |
|                          |   | PM <sub>2.5</sub> | 2.76    | 11.52   |
|                          |   | СО                |         |         |
|                          |   | NO <sub>x</sub>   |         |         |
|                          |   | SO <sub>2</sub>   |         |         |
|                          |   | VOC               |         |         |
|                          |   | Pb                | 0.0029  | 0.0103  |
|                          |   | Hg                | 0.0002  | 0.00071 |
|                          | Cr  | 0.0001            | 0.00026 |         |
|                          |   | Cd                | 0.0001  | 0.00039 |
| 55                       | Roof Monitor Baghouse E Stack (7) (FIN: FURNB-FUG, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Ladle Metallurgy Furnaces Pre-Heater, and Caster Torches) | PM                | 3.73    | 15.56   |
|                          |   | PM <sub>10</sub>  | 3.73    | 15.56   |
|                          |   | PM <sub>2.5</sub> | 2.76    | 11.52   |
|                          |   | СО                |         |         |
|                          |   | NO <sub>x</sub>   |         |         |
|                          |   | SO <sub>2</sub>   |         |         |
|                          |   | VOC               |         |         |
|                          |   | Pb                | 0.0029  | 0.0103  |
|                          |   | Hg                | 0.0002  | 0.00071 |
|                          |   | Cr                | 0.0001  | 0.00026 |
|                          |   | Cd                | 0.0001  | 0.00039 |
| 01, 06, 07,<br>54, 55    | Gaseous Emissions   | СО                | 503.80  | 1803.40 |
|                          |   | NO <sub>x</sub>   | 156.00  | 348.90  |
|                          |   | SO <sub>2</sub>   | 137.78  | 378.10  |
|                          |   | VOC               | 59.81   | 94.20   |
| roject <b>N</b> 9mber: 3 | ել թրց Section Mill Reheat Furnace Stack  | PM                | 3.38    | 14.82   |
|                          |   | PM <sub>10</sub>  | 3.38    | 14.82   |
|                          |   | PM <sub>2.5</sub> | 3 38    | 14 82   |

|                  |  | NO <sub>x</sub>   | 95.34    | 417.59   |
|------------------|--|-------------------|----------|----------|
|                  |  | SO <sub>2</sub>   | 6.36     | 1.17     |
|                  |  | voc               | 2.45     | 10.72    |
| 11A              | Outdoor Alloy Handling<br>(5)            | PM                | 0.0023   | 0.0089   |
|                  |  | PM <sub>10</sub>  | 0.0011   | 0.0042   |
|                  |  | PM <sub>2.5</sub> | 0.0002   | 0.0006   |
| 12               | Scrap Steel Handling<br>(5)              | PM                | 0.48     | 1.93     |
|                  |  | PM <sub>10</sub>  | 0.23     | 0.91     |
|                  |  | PM <sub>2.5</sub> | 0.03     | 0.14     |
| 13               | Baghouse Dust Railcar Fugitives (5)      | PM                | 0.001    | 0.0023   |
|                  |  | PM <sub>10</sub>  | 0.0003   | 0.0011   |
|                  |  | PM <sub>2.5</sub> | 0.00004  | 0.00016  |
|                  |  | Pb                | 1.48E-05 | 5.91E-05 |
|                  |  | Hg                | 8.72E-09 | 3.49E-08 |
|                  |  | Cr                | 9.69E-07 | 3.87E-06 |
|                  |  | Cd                | 4.16E-07 | 1.67E-06 |
| 14               | Alloy Piles<br>(5)                       | PM                | 0.079    | 0.054    |
|                  |  | PM <sub>10</sub>  | 0.079    | 0.054    |
|                  |  | PM <sub>2.5</sub> | 0.079    | 0.054    |
| 15A              | Pelletizer Silo Stack                    | PM                | 0.032    | 0.13     |
|                  |  | PM <sub>10</sub>  | 0.032    | 0.13     |
|                  |  | PM <sub>2.5</sub> | 0.032    | 0.13     |
|                  |  | Pb                | 8.46E-04 | 3.38E-03 |
|                  |  | Hg                | 4.99E-07 | 2.00E-06 |
|                  |  | Cr                | 5.54E-05 | 2.22E-04 |
|                  |  | Cd                | 2.38E-05 | 9.53E-05 |
| 15B              | Railcar Loading From Pelletizer Silo (5) | PM                | 0.0006   | 0.0023   |
|                  |  | PM <sub>10</sub>  | 0.0003   | 0.00011  |
|                  |  | PM <sub>2.5</sub> | 0.00004  | 0.00002  |
|                  |  | Pb                | 1.48E-05 | 5.91E-05 |
|                  |  | Hg                | 8.72E-09 | 3.49E-08 |
| roject Number: 3 | 51827                                    | Cr                | 9.69E-07 | 3.87E-06 |
|                  |  | Cd                | 4.16E-07 | 1.67E-06 |
| 30               | In Plant Vehicle Traffic                 | PM                | _        | 34.8     |

|     |   | PM <sub>2.5</sub> |       | 1.25  |
|-----|---|-------------------|-------|-------|
| 05A | Medium Section Mill Reheat Furnace<br>Stack | PM                | 1.73  | 5.62  |
|     |   | PM <sub>10</sub>  | 1.73  | 5.62  |
|     |   | PM <sub>2.5</sub> | 1.73  | 5.62  |
|     |   | со                | 17.33 | 56.25 |
|     |   | NO <sub>x</sub>   | 23.10 | 52.50 |
|     |   | SO <sub>2</sub>   | 3.26  | 0.44  |
|     |   | voc               | 1.22  | 3.98  |
| 73  | ASR Dryer Baghouse Stack                    | РМ                | 0.61  | 2.67  |
|     |   | PM <sub>10</sub>  | 0.61  | 2.67  |
|     |   | PM <sub>2.5</sub> | 0.20  | 0.88  |
|     |   | со                | 1.40  | 6.13  |
|     |   | NO <sub>x</sub>   | 1.02  | 4.47  |
|     |   | SO <sub>2</sub>   | 0.24  | 1.04  |
|     |   | VOC               | 0.09  | 0.40  |

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  $NO_x$ - total oxides of nitrogen

SO<sub>2</sub>- sulfur dioxide

PM

- total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented. - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as  $PM_{10}$ 

represented.

 $PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter

- carbon monoxide CO

- lead and lead compounds Pb

- mercury and mercury compounds Hg - chromium and chromium compounds Cr - cadmium and cadmium compounds

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Emissions collected in the canopy hood are combined in a mixing chamber before splitting to the two baghouses.
- (7) Indoor coke storage silo baghouse emits inside the Melt Shop building and its emissions are included in the values shown.
- (8) Planned startup and shutdown and maintenance emissions are included.

| Date: August 18, 202 | 23 |
|----------------------|----|
|----------------------|----|

Project Number: 351827