

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 50438

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 Point No. (1) | Source Name (2)  | Air Contaminant Name (3) | Emission Rates |          |
|------------------------|--|--------------------------|----------------|----------|
|                        |  |                          | lbs/hour       | TPY (4)  |
| 1                      | Chrome Plating Tanks Stack<br>(Tanks T1, T2, T3, and T4) | Cr                       | 8.41E-05       | 2.44E-04 |
|                        |  | PM                       | 1.75E-04       | 7.66E-04 |
| 4                      | Chrome Plating Tanks Stack<br>(Tanks T5, T6, and T7)     | Cr                       | 4.48E-05       | 1.29E-04 |
|                        |  | PM                       | 9.20E-05       | 2.61E-04 |
| 3                      | Heat Treatment Stack                                     | SO <sub>2</sub>          | 0.01           | 0.01     |
|                        |  | VOC                      | 0.01           | 0.01     |
| 5                      | Small Metal Sprayer Cartridge Filter Exhaust Stack       | CO                       | 0.03           | 0.07     |
|                        |  | Co                       | 3.24E-06       | 7.10E-06 |
|                        |  | Cr                       | 1.08E-05       | 2.37E-05 |
|                        |  | Ni                       | 3.13E-06       | 6.86E-06 |
|                        |  | NO <sub>x</sub>          | 0.04           | 0.11     |
|                        |  | PM                       | 0.01           | 0.01     |
|                        |  | PM <sub>10</sub>         | 0.01           | 0.01     |
|                        |  | PM <sub>2.5</sub>        | 0.01           | 0.01     |
|                        |  | SO <sub>2</sub>          | 0.01           | 0.01     |
|                        |  | VOC                      | 0.10           | 0.20     |
|                        |  |                          |                |          |

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|  |  |                   |          |          |
|--|--|-------------------|----------|----------|
|  |  | W                 | 3.67E-05 | 8.04E-05 |
| 6  | Large Metal Sprayer Cartridge Filter Exhaust Stack | CO                | 0.02     | 0.04     |
|  |  | Co                | 7.20E-06 | 1.58E-05 |
|  |  | Cr                | 2.88E-06 | 6.31E-06 |
|  |  | Ni                | 7.20E-06 | 1.58E-05 |
|  |  | NO <sub>x</sub>   | 0.08     | 0.18     |
|  |  | PM                | 0.01     | 0.02     |
|  |  | PM <sub>10</sub>  | 0.01     | 0.02     |
|  |  | PM <sub>2.5</sub> | 0.01     | 0.02     |
| <div style="background-color: black; color: white; text-align: center; font-size: 100px; font-weight: bold; opacity: 0.5;">DRAFT</div> |  |                   |          |          |
|  |  |                   |          |          |
|  |  |                   |          |          |
|  |  |                   |          |          |
| 7  | Small Metal Sprayer Cartridge Filter Exhaust Stack | CO                | 0.02     | 0.04     |
|  |  | Co                | 7.20E-06 | 1.58E-05 |
|  |  | Cr                | 2.88E-06 | 6.31E-06 |
|  |  | Ni                | 7.20E-06 | 1.58E-05 |
|  |  | NO <sub>x</sub>   | 0.08     | 0.18     |
|  |  | PM                | 0.01     | 0.02     |
|  |  | PM <sub>10</sub>  | 0.01     | 0.02     |
|  |  | PM <sub>2.5</sub> | 0.01     | 0.02     |
|  |  | VOC               | 0.02     | 0.04     |
|  |  | W                 | 8.80E-05 | 1.90E-04 |
| BLASTFUG   | Blasting Losses                                    | PM                | 0.02     | 0.01     |
|  |  | PM <sub>10</sub>  | 0.02     | 0.01     |
|  |  | PM <sub>2.5</sub> | 0.02     | 0.01     |

- (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) CO - carbon monoxide  
 Co - cobalt  
 Cr - total chromium  
 Ni - nickel

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NO<sub>x</sub> - total oxides of nitrogen

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

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

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

W - tungsten

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date month day, 2013

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