

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18478

This table lists the maximum allowable emission rates of the sources of air contaminants covered by this permit.

## AIR CONTAMINANTS DATA

| Emission<br>Point No.                      | Source<br>Name                            | Air Contaminant<br>Name (1)    | Emission Rates * |         |
|--|---|--------------------------------|------------------|---------|
|  |   |                                | lb/hr            | TPY (2) |
| Paint Hangar (Building No. 159)            |   |                                |                  |         |
| 121-1                                      | Paint Area<br>(Dual Exhausts)             | VOC                            | 282.0            | 27.37   |
|  |   | PM                             | 0.4              | 0.11    |
|  |   | Inorganics                     | 17.0             | 0.35    |
|  |   | Exempt Solvents                | 88.0             | 7.09    |
| 121-2                                      | Paint Booth                               | VOC                            | 19.3             | 0.48    |
|  |   | Exempt Solvents                | 83.4             | 1.31    |
|  |   | PM 0.1                         | 0.01             |         |
| 121-3                                      | Boilers                                   | VOC                            | 0.13             | 0.58    |
|  |   | NO <sub>x</sub> 2.93           | 10.46            |         |
|  |   | CO 2.01                        | 8.79             |         |
|  |   | PM 0.18                        | 0.80             |         |
|  |   | SO <sub>2</sub> 0.01           | 0.06             |         |
| 121-4                                      | Paint Mixing                              | VOC                            | 2.6              | 0.40    |
| Chromium Anodizing Line (Building No. 116) |   |                                |                  |         |
| B116-1                                     | Chromium Anodizing Line<br>Scrubber Stack | Cr                             | 0.00057          | 0.0025  |
|  |   | Ni                             | 0.00011          | 0.0005  |
|  |   | HNO <sub>3</sub>               | <0.00100         | <0.0032 |
|  |   | H <sub>2</sub> SO <sub>4</sub> | <0.00100         | <0.0010 |
|  |   | HF                             | <0.00100         | <0.0010 |
|  |   | NaOH                           | 0.00240          | 0.0110  |

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|-----------------------|----------------|-----------------------------|-------------------------|---------|
|                       |                |                             | lb/hr                   | TPY (2) |

**Bay No. 10**

|                            |                      |                 |       |       |
|----------------------------|----------------------|-----------------|-------|-------|
| Bay-No. 10<br>Fan Nos. 1-9 | Exhaust Fan Nos. 1-9 | VOC             | 445.0 | 27.20 |
|                            |                      | Exempt Solvents | 139.0 | 6.05  |
|                            |                      | Inorganics      | 26.8  | 1.40  |
|                            |                      | PM              | 0.6   | 0.02  |

|                      |   |                 |      |       |
|----------------------|---|-----------------|------|-------|
| Bay-No. 10<br>Fan 10 | Exhaust Fan No. 10 for<br>Parts Stripping | VOC             | 26.7 | 11.75 |
|                      |   | Exempt Solvents | 8.3  | 0.44  |
|                      |   | Inorganics      | 1.6  | 0.67  |
|                      |   | PM              | 0.1  | 0.01  |

**Building No. 116**

|      |               |                 |     |      |
|------|---------------|-----------------|-----|------|
| SB-1 | Spray Booth 1 | VOC             | 4.6 | 1.37 |
|      |               | Exempt Solvents | 4.2 | 0.97 |
|      |               | PM              | 0.1 | 0.02 |

|            |                    |     |     |      |
|------------|--------------------|-----|-----|------|
| Convey-fug | Conveyor Fugitives | VOC | 1.8 | 0.54 |
|------------|--------------------|-----|-----|------|

|        |        |     |     |      |
|--------|--------|-----|-----|------|
| Oven-1 | Oven 1 | VOC | 0.3 | 0.09 |
|        |        | POC | 0.2 | 0.69 |

|      |               |                 |     |      |
|------|---------------|-----------------|-----|------|
| SB-2 | Spray Booth 2 | VOC             | 4.6 | 1.37 |
|      |               | Exempt Solvents | 4.2 | 0.97 |
|      |               | PM              | 0.1 | 0.02 |

|        |        |     |     |      |
|--------|--------|-----|-----|------|
| Oven-2 | Oven 2 | VOC | 2.1 | 0.63 |
|        |        | POC | 0.1 | 0.37 |

**Building No. 180**

|             |                |            |      |      |
|-------------|----------------|------------|------|------|
| BLDG180-EF3 | Strip and Wash | VOC        | 10.7 | 0.80 |
|             |                | Inorganics | 0.6  | 0.05 |

|             |             |     |     |      |
|-------------|-------------|-----|-----|------|
| BLDG180-PB1 | Paint Booth | VOC | 8.1 | 0.85 |
|-------------|-------------|-----|-----|------|

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|--|------------------|-----------------------------|-------------------------|---------|
|  |                  |                             | lb/hr                   | TPY (2) |
|  |                  | Exempt Solvents             | 5.6                     | 1.11    |
|  |                  | PM                          | 0.1                     | 0.01    |
| <b>Building No. 117</b>                    |                  |                             |                         |         |
| B117VD                                     | Vapor Degreaser  | VOC                         | 1.1                     | 0.56    |
|  |                  | Exempt Solvents             | 1.9                     | 0.96    |
| <b>Sitewide Solvent Wipe/Spot Cleaning</b> |                  |                             |                         |         |
| H100-SC                                    | Hangar 100       | VOC                         | 1.13                    | 0.14    |
|  |                  | Exempt Solvents             | 5.62                    | 0.67    |
| H101-SC                                    | Hangar 101       | VOC                         | 1.13                    | 0.14    |
|  |                  | Exempt Solvents             | 5.62                    | 0.67    |
| H102-1-SC                                  | Hangar 102 Bay 1 | VOC                         | 1.13                    | 0.14    |
|  |                  | Exempt Solvents             | 5.62                    | 0.67    |
| H102-2-SC                                  | Hangar 102 Bay 2 | VOC                         | 1.13                    | 0.14    |
|  |                  | Exempt Solvents             | 5.62                    | 0.67    |
| H102-3-SC                                  | Hangar 102 Bay 3 | VOC                         | 1.13                    | 0.14    |
|  |                  | Exempt Solvents             | 5.62                    | 0.67    |
| H102-4-SC                                  | Hangar 102 Bay 4 | VOC                         | 1.13                    | 0.14    |
|  |                  | Exempt Solvents             | 5.62                    | 0.67    |
| H102-5-SC                                  | Hangar 102 Bay 5 | VOC                         | 1.13                    | 0.14    |
|  |                  | Exempt Solvents             | 5.62                    | 0.67    |
| H102-6-SC                                  | Hangar 102 Bay 6 | VOC                         | 1.13                    | 0.14    |
|  |                  | Exempt Solvents             | 5.62                    | 0.67    |
| H102-7-SC                                  | Hangar 102 Bay 7 | VOC                         | 1.13                    | 0.14    |
|  |                  | Exempt Solvents             | 5.62                    | 0.67    |

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|-----------------------|--------------------|-----------------------------|-------------------------|---------|
|                       |                    |                             | lb/hr                   | TPY (2) |
| H102-8-SC             | Hangar 102 Bay 8   | VOC                         | 1.13                    | 0.14    |
|                       |                    | Exempt Solvents             | 5.62                    | 0.67    |
| H102-9-SC             | Hangar 102 Bay 9   | VOC                         | 1.13                    | 0.14    |
|                       |                    | Exempt Solvents             | 5.62                    | 0.67    |
| H150E-SC              | Hangar 150 East    | VOC                         | 1.13                    | 0.14    |
|                       |                    | Exempt Solvents             | 5.62                    | 0.67    |
| H150W-SC              | Hangar 150W        | VOC                         | 1.13                    | 0.14    |
|                       |                    | Exempt Solvents             | 5.62                    | 0.67    |
| H152-SC               | Hangar 152         | VOC                         | 1.13                    | 0.14    |
|                       |                    | Exempt Solvents             | 5.62                    | 0.67    |
| H154-SC               | Hangar 154         | VOC                         | 0.84                    | 0.14    |
|                       |                    | Exempt Solvents             | 4.22                    | 0.67    |
| H200-SC               | Hangar 200         | VOC                         | 0.56                    | 0.06    |
|                       |                    | Exempt Solvents             | 2.81                    | 0.31    |
| H300-SC               | Hangar 300         | VOC                         | 0.56                    | 0.06    |
|                       |                    | Exempt Solvents             | 2.81                    | 0.31    |
| H301-SC               | Hangar 301         | VOC                         | 1.13                    | 0.14    |
|                       |                    | Exempt Solvents             | 5.62                    | 0.67    |
| H302-SC               | Hangar 302         | VOC                         | 1.13                    | 0.14    |
|                       |                    | Exempt Solvents             | 5.62                    | 0.67    |
| B180N-SC              | Building 180 North | VOC                         | 0.84                    | 0.14    |
|                       |                    | Exempt Solvents             | 4.22                    | 0.67    |
| B180S-SC              | Building 180 South | VOC                         | 1.13                    | 0.14    |
|                       |                    | Exempt Solvents             | 5.62                    | 0.67    |

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|          |                               |                 |      |      |
|----------|-------------------------------|-----------------|------|------|
| B305-SC  | Building 305                  | VOC             | 1.13 | 0.14 |
|          |                               | Exempt Solvents | 5.62 | 0.67 |
| FL102-SC | Flight Line 102               | VOC             | 0.56 | 0.06 |
|          |                               | Exempt Solvents | 2.81 | 0.31 |
| FL150-SC | Flight Line 150               | VOC             | 0.56 | 0.06 |
|          |                               | Exempt Solvents | 2.81 | 0.31 |
| FL152-SC | Flight Line 152               | VOC             | 0.56 | 0.06 |
|          |                               | Exempt Solvents | 2.81 | 0.31 |
| FL159-SC | Flight Line 159               | VOC             | 0.56 | 0.06 |
|          |                               | Exempt Solvents | 2.81 | 0.31 |
| FL302-SC | Flight Line 302               | VOC             | 0.56 | 0.06 |
|          |                               | Exempt Solvents | 2.81 | 0.31 |
| B116-SC  | Building 116                  | VOC             | 0.56 | 0.06 |
|          |                               | Exempt Solvents | 2.81 | 0.31 |
| B117-SC  | Building 117                  | VOC             | 0.56 | 0.06 |
|          |                               | Exempt Solvents | 2.81 | 0.31 |
| B105-AR  | Building 105 Adhesive Removal | VOC             | 1.13 | 0.34 |
|          |                               | Exempt Solvents | 5.62 | 1.69 |

- (1) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>

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|                                |   |
|--------------------------------|---|
| PM <sub>10</sub>               | - 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.   |
| NO <sub>x</sub>                | - total oxides of nitrogen  |
| CO                             | - carbon monoxide   |
| SO <sub>2</sub>                | - sulfur dioxide  |
| POC                            | - products of combustion of natural gas   |
| Cr                             | - chromium  |
| Ni                             | - nickel  |
| HNO <sub>3</sub>               | - nitric acid   |
| H <sub>2</sub> SO <sub>4</sub> | - sulfuric acid   |
| HF                             | - hydrofluoric acid   |
| NaOH                           | - sodium hydroxide  |
| Inorganics                     | - all volatile inorganic compounds not included in the definition of POC. This may include inorganic acids and bases. This does not include oxides of nitrogen, sulfur dioxide, and carbon monoxide as these are included in POC. |
| Exempt Solvents                | - carbon compounds<br>excluded from definition of VOC.  |

(2) Rates are for a rolling 12 consecutive months.

\* Facilities may operate 8,760 hours per year.

Dated June 16, 2005