

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 18478

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 (6) |         |
|---------------------------------|-------------------------------|--------------------------|--------------------|---------|
|                                 |                               |                          | lbs/hour           | TPY (4) |
| Paint Hangar (Building No. 159) |                               |                          |                    |         |
| 121-1a/b                        | Paint Area<br>(Dual Exhausts) | VOC                      | 172.74             | 21.33   |
|                                 |                               | Exempt Solvent           | 182.99             | 16.12   |
|                                 |                               | PM                       | 0.09               | 0.02    |
|                                 |                               | PM <sub>10</sub>         | 0.09               | 0.02    |
|                                 |                               | PM <sub>2.5</sub>        | 0.09               | 0.02    |
| 121-3                           | Boiler                        | VOC (5)                  | 0.14               | 0.60    |
|                                 |                               | NO <sub>x</sub> (5)      | 2.50               | 10.95   |
|                                 |                               | CO (5)                   | 2.10               | 9.20    |
|                                 |                               | SO <sub>2</sub> (5)      | 0.02               | 0.07    |
|                                 |                               | PM (5)                   | 0.19               | 0.84    |
|                                 |                               | PM <sub>10</sub> (5)     | 0.19               | 0.84    |
|                                 |                               | PM <sub>2.5</sub> (5)    | 0.19               | 0.84    |
| Bay No. 10                      |                               |                          |                    |         |
| Bay 10 Fans 1-9                 | Exhaust Fan<br>Nos. 1-9       | VOC                      | 107.23             | 17.67   |
|                                 |                               | Exempt Solvent           | 115.05             | 9.38    |
|                                 |                               | PM                       | 0.09               | 0.01    |
|                                 |                               | PM <sub>10</sub>         | 0.09               | 0.01    |
|                                 |                               | PM <sub>2.5</sub>        | 0.09               | 0.01    |

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|                  |   |                       |       |       |
|------------------|---|-----------------------|-------|-------|
| Bay 10 Fan 10    | Exhaust Fan No. 10<br>for Parts Stripping | VOC                   | 38.36 | 2.70  |
|                  |   | Exempt Solvent        | 9.03  | 0.79  |
|                  |   | PM                    | 0.01  | <0.01 |
|                  |   | PM <sub>10</sub>      | 0.01  | <0.01 |
|                  |   | PM <sub>2.5</sub>     | 0.01  | <0.01 |
| Building No. 116 |   |                       |       |       |
| SB-1             | Spray Booth 1                             | VOC                   | 7.47  | 1.48  |
|                  |   | Exempt Solvent        | 6.99  | 1.86  |
|                  |   | PM                    | 0.01  | <0.01 |
|                  |   | PM <sub>10</sub>      | 0.01  | <0.01 |
|                  |   | PM <sub>2.5</sub>     | 0.01  | <0.01 |
| Convey-Fug       | Conveyor Fugitives                        | VOC                   | 3.42  | 0.60  |
|                  |   | Exempt Solvent        | 3.20  | 0.49  |
| Oven-1           | Oven 1                                    | VOC                   | 0.57  | 0.10  |
|                  |   | Exempt Solvent        | 0.53  | 0.08  |
|                  |   | VOC (5)               | 0.01  | 0.03  |
|                  |   | NO <sub>x</sub> (5)   | 0.12  | 0.52  |
|                  |   | CO (5)                | 0.10  | 0.43  |
|                  |   | SO <sub>2</sub> (5)   | <0.01 | <0.01 |
|                  |   | PM (5)                | 0.01  | 0.04  |
|                  |   | PM <sub>10</sub> (5)  | 0.01  | 0.04  |
|                  |   | PM <sub>2.5</sub> (5) | 0.01  | 0.04  |
| SB-2             | Spray Booth 2                             | VOC                   | 7.47  | 1.48  |
|                  |   | Exempt Solvent        | 6.99  | 1.86  |
|                  |   | PM                    | 0.01  | <0.01 |
|                  |   | PM <sub>10</sub>      | 0.01  | <0.01 |
|                  |   | PM <sub>2.5</sub>     | 0.01  | <0.01 |
| Oven-2           | Oven 2                                    | VOC                   | 3.99  | 0.70  |
|                  |   | Exempt Solvent        | 3.73  | 0.57  |

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|                                      |                                   |                       |       |       |
|--------------------------------------|-----------------------------------|-----------------------|-------|-------|
|                                      |                                   | VOC (5)               | <0.01 | 0.02  |
|                                      |                                   | NO <sub>x</sub> (5)   | 0.06  | 0.28  |
|                                      |                                   | CO (5)                | 0.05  | 0.23  |
|                                      |                                   | SO <sub>2</sub> (5)   | <0.01 | <0.01 |
|                                      |                                   | PM (5)                | <0.01 | 0.02  |
|                                      |                                   | PM <sub>10</sub> (5)  | <0.01 | 0.02  |
|                                      |                                   | PM <sub>2.5</sub> (5) | <0.01 | 0.02  |
| Building No. 180                     |                                   |                       |       |       |
| BLDG180-EF3                          | Strip and Wash                    | VOC                   | 3.83  | 0.39  |
| BLDG180-PB1                          | Paint Booth                       | VOC                   | 81.62 | 2.03  |
|                                      |                                   | Exempt Solvent        | 18.78 | 1.12  |
|                                      |                                   | PM                    | 0.01  | <0.01 |
|                                      |                                   | PM <sub>10</sub>      | 0.01  | <0.01 |
|                                      |                                   | PM <sub>2.5</sub>     | 0.01  | <0.01 |
| Sitewide Solvent Wipe/ Spot Cleaning |                                   |                       |       |       |
| H100-SC                              | Hangar 100 Solvent Cleaning       | VOC                   | 1.13  | 0.14  |
|                                      |                                   | Exempt Solvent        | 5.51  | 0.66  |
| H101-SC                              | Hangar 101 Solvent Cleaning       | VOC                   | 1.13  | 0.14  |
|                                      |                                   | Exempt Solvent        | 5.51  | 0.66  |
| H102-1-SC                            | Hangar 102 Bay 1 Solvent Cleaning | VOC                   | 1.13  | 0.14  |
|                                      |                                   | Exempt Solvent        | 5.51  | 0.66  |
| H102-2-SC                            | Hangar 102 Bay 2 Solvent Cleaning | VOC                   | 1.13  | 0.14  |
|                                      |                                   | Exempt Solvent        | 5.51  | 0.66  |
| H102-3-SC                            | Hangar 102 Bay 3 Solvent Cleaning | VOC                   | 1.13  | 0.14  |
|                                      |                                   | Exempt Solvent        | 5.51  | 0.66  |
| H102-4-SC                            | Hangar 102 Bay 4 Solvent Cleaning | VOC                   | 1.13  | 0.14  |
|                                      |                                   | Exempt Solvent        | 5.51  | 0.66  |
| H102-5-SC                            | Hangar 102 Bay 5 Solvent Cleaning | VOC                   | 1.13  | 0.14  |
|                                      |                                   | Exempt Solvent        | 5.51  | 0.66  |

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|           |                                     |                |      |      |
|-----------|-------------------------------------|----------------|------|------|
| H102-6-SC | Hangar 102 Bay 6 Solvent Cleaning   | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| H102-7-SC | Hangar 102 Bay 7 Solvent Cleaning   | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| H102-8-SC | Hangar 102 Bay 8 Solvent Cleaning   | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| H102-9-SC | Hangar 102 Bay 9 Solvent Cleaning   | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| H150E-SC  | Hangar 150 East Solvent Cleaning    | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| H150W-SC  | Hangar 150W Solvent Cleaning        | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| H152-SC   | Hangar 152 Solvent Cleaning         | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| H154-SC   | Hangar 154 Solvent Cleaning         | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| H200-SC   | Hangar 200 Solvent Cleaning         | VOC            | 0.56 | 0.06 |
|           |                                     | Exempt Solvent | 2.75 | 0.30 |
| H300-SC   | Hangar 300 Solvent Cleaning         | VOC            | 0.56 | 0.06 |
|           |                                     | Exempt Solvent | 2.75 | 0.30 |
| H301-SC   | Hangar 301 Solvent Cleaning         | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| H302-SC   | Hangar 302 Solvent Cleaning         | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| H304-SC   | Hangar 304 Solvent Cleaning         | VOC            | 0.56 | 0.14 |
|           |                                     | Exempt Solvent | 2.75 | 0.66 |
| B180N-SC  | Building 180 North Solvent Cleaning | VOC            | 1.13 | 0.14 |
|           |                                     | Exempt Solvent | 5.51 | 0.66 |
| B180S-SC  | Building 180 South Solvent Cleaning | VOC            | 1.13 | 0.14 |

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|          |                                  |                |      |      |
|----------|----------------------------------|----------------|------|------|
|          |                                  | Exempt Solvent | 5.51 | 0.66 |
| B305-SC  | Building 305 Solvent Cleaning    | VOC            | 1.13 | 0.14 |
|          |                                  | Exempt Solvent | 5.51 | 0.66 |
| FL102-SC | Flight Line 102 Solvent Cleaning | VOC            | 0.56 | 0.06 |
|          |                                  | Exempt Solvent | 2.75 | 0.30 |
| FL150-SC | Flight Line 150 Solvent Cleaning | VOC            | 0.56 | 0.06 |
|          |                                  | Exempt Solvent | 2.75 | 0.30 |
| FL152-SC | Flight Line 152 Solvent Cleaning | VOC            | 0.56 | 0.06 |
|          |                                  | Exempt Solvent | 2.75 | 0.30 |
| FL158-SC | Flight Line 158 Solvent Cleaning | VOC            | 1.13 | 0.14 |
|          |                                  | Exempt Solvent | 5.51 | 0.66 |
| FL159-SC | Flight Line 159 Solvent Cleaning | VOC            | 0.56 | 0.06 |
|          |                                  | Exempt Solvent | 2.75 | 0.30 |
| FL160-SC | Flight line 160 Solvent Cleaning | VOC            | 1.13 | 0.14 |
|          |                                  | Exempt Solvent | 5.51 | 0.66 |
| FL302-SC | Flight Line 302 Solvent Cleaning | VOC            | 0.56 | 0.06 |
|          |                                  | Exempt Solvent | 2.75 | 0.30 |
| FL304-SC | Flight Line 304 Solvent Cleaning | VOC            | 0.56 | 0.14 |
|          |                                  | Exempt Solvent | 2.75 | 0.66 |
| B116-SC  | Building 116 Solvent Cleaning    | VOC            | 0.56 | 0.06 |
|          |                                  | Exempt Solvent | 2.75 | 0.30 |
| B117-SC  | Building 117 Solvent Cleaning    | VOC            | 0.56 | 0.06 |
|          |                                  | Exempt Solvent | 2.75 | 0.30 |
| B105-AR  | Building 105 Adhesive Removal    | VOC            | 1.13 | 0.34 |
|          |                                  | Exempt Solvent | 5.51 | 1.65 |

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
Project Numbers: 236054 and 239983

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- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Products of combustion.
- (6) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: February 3, 2017