

# Emission Sources - Maximum Allowable Emission Rates

Special Permit Number 9828

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.<br>(1) | Source Name (2)          | Air Contaminant<br>Name (3) | Emission Rates |         |
|---------------------------|--------------------------|-----------------------------|----------------|---------|
|                           |                          |                             | lbs/hour       | TPY (4) |
| E-1                       | Scrubber no. 1 Exhaust   | VOC                         | 30.22          | 0.67    |
|                           |                          | PM <sub>10</sub>            | 0.04           | 0.03    |
| EPRV1                     | EP Room Vent 1           | VOC                         | 5.45           | 0.13    |
|                           |                          | PM <sub>10</sub>            | 0.01           | 0.01    |
| EPRV2                     | EP Room Vent 2           | VOC                         | 5.45           | 0.13    |
|                           |                          | PM <sub>10</sub>            | 0.01           | 0.01    |
| EPWV                      | EP Room Wall Vent        | VOC                         | 5.45           | 0.13    |
|                           |                          | PM <sub>10</sub>            | 0.01           | 0.01    |
| E-2                       | Scrubber No.2 Exhaust    | VOC                         | 30.22          | 0.67    |
|                           |                          | PM <sub>10</sub>            | 0.04           | 0.03    |
| ISRV1                     | In-Situ Room Vent 1      | VOC                         | 5.45           | 0.13    |
|                           |                          | PM <sub>10</sub>            | 0.01           | 0.01    |
| ISRV2                     | In-Situ Room Vent 2      | VOC                         | 5.45           | 0.13    |
|                           |                          | PM <sub>10</sub>            | 0.01           | 0.01    |
| ISRV3                     | In-Situ Room Vent 3      | VOC                         | 5.45           | 0.13    |
|                           |                          | PM <sub>10</sub>            | 0.01           | 0.01    |
| ISRV4                     | In-Situ Room Vent 4      | VOC                         | 5.45           | 0.13    |
|                           |                          | PM <sub>10</sub>            | 0.01           | 0.01    |
| ISWV1                     | In-Situ Room Wall Vent 1 | VOC                         | 5.45           | 0.13    |
|                           |                          | PM <sub>10</sub>            | 0.01           | 0.01    |

## Emission Sources - Maximum Allowable Emission Rates

|          |   |                  |       |      |
|----------|---|------------------|-------|------|
| ISWV2    | In-Situ Room Wall Vent 2                | VOC              | 5.45  | 0.13 |
|          |   | PM <sub>10</sub> | 0.01  | 0.01 |
| WHRV1    | Warehouse Roof Vent 1                   | VOC              | 0.09  | 0.01 |
| WHRV2    | Warehouse Roof Vent 2                   | VOC              | 0.09  | 0.01 |
| WHRV3    | Warehouse Roof Vent 3                   | VOC              | 0.09  | 0.01 |
| WHRV4    | Warehouse Roof Vent 4                   | VOC              | 0.09  | 0.01 |
| WHRV5    | Warehouse Roof Vent 5                   | VOC              | 0.09  | 0.01 |
| WHRV6    | Warehouse Roof Vent 6                   | VOC              | 0.09  | 0.01 |
| WHWV     | Warehouse Wall Vent                     | VOC              | 2.50  | 0.07 |
| WHWF     | Warehouse Wall Fin                      | VOC              | 2.50  | 0.07 |
| POF-FUG  | Component Fugitives and Tank Losses (5) | VOC              | 80.59 | 1.48 |
| TLD1-FUG | Truck Loading Area 1                    | VOC              | 9.90  | 0.59 |
| TLD2-FUG | Truck Loading Area 2                    | VOC              | 9.90  | 0.59 |
| TLD3-FUG | Truck Loading Area 3                    | VOC              | 9.90  | 0.59 |
| TLD4-FUG | Truck Loading Area 4                    | VOC              | 9.90  | 0.59 |
| TWA-FUG  | Truck Washing Area                      | VOC              | 9.90  | 0.83 |
| T-0919   | Wastewater Storage Tank 0926            | VOC              | 0.27  | 0.01 |
| T-0923   | Wastewater Storage Tank 09267           | VOC              | 0.27  | 0.01 |
| T-09111  | Tank 09111                              | VOC              | 0.01  | 0.01 |
| T-09126  | Tank 09126                              | VOC              | 0.95  | 0.06 |
| T-09156  | Tank 09156                              | VOC              | 1.03  | 0.02 |
| T-09157  | Tank 09157                              | VOC              | 0.01  | 0.01 |
| T-09158  | Tank 09158                              | VOC              | 1.00  | 0.04 |
| T-09203  | Tank 09203                              | VOC              | 0.55  | 0.04 |

## Emission Sources - Maximum Allowable Emission Rates

|          |                         |                 |      |      |
|----------|-------------------------|-----------------|------|------|
| T-09216  | Tank 09216              | VOC             | 0.18 | 0.01 |
| BISCRUBR | Tank 09217              | SO <sub>2</sub> | 0.15 | 0.01 |
| T-09218  | T 09218                 | VOC             | 0.08 | 0.01 |
| T-09219  | T 09219                 | VOC             | 0.08 | 0.01 |
| T-0926   | T 0926                  | VOC             | 0.02 | 0.01 |
| T-0927   | T 0927                  | VOC             | 0.02 | 0.01 |
| T-0930   | T 0930                  | VOC             | 0.01 | 0.01 |
| T-0937   | T 0937                  | VOC             | 0.98 | 0.05 |
| T-0938   | T 0938                  | VOC             | 0.98 | 0.05 |
| T-0944   | T 0944                  | VOC             | 0.02 | 0.01 |
| T-0945   | T 0945                  | VOC             | 0.63 | 0.04 |
| T-0946   | T 0946                  | VOC             | 0.24 | 0.01 |
| T-0947   | T 0947                  | VOC             | 0.01 | 0.01 |
| T-0963   | T 0963                  | VOC             | 1.33 | 0.09 |
| T-09220  | T 09220                 | VOC             | 0.01 | 0.01 |
| T-09221  | T 09221                 | VOC             | 1.48 | 0.10 |
| T-09222  | T 09222                 | VOC             | 0.01 | 0.01 |
| T-09223  | T-09223                 | VOC             | 0.07 | 0.01 |
| T-Diesel | Diesel Storage Tank     | VOC             | 0.34 | 0.02 |
| CMP-FUG  | Component Fugitives (5) | VOC             | 0.62 | 2.73 |

Emission Sources - Maximum Allowable Emission Rates

|           |                          |                  |      |      |
|-----------|--------------------------|------------------|------|------|
| E-3       | Boiler Exhaust Stack     | VOC              | 0.04 | 0.19 |
|           |                          | PM <sub>10</sub> | 0.06 | 0.27 |
|           |                          | NO <sub>x</sub>  | 0.40 | 1.75 |
|           |                          | SO <sub>2</sub>  | 0.12 | 0.53 |
|           |                          | CO               | 0.67 | 2.95 |
| CT-1      | Cooling Tower            | PM <sub>10</sub> | 0.68 | 3.00 |
| EE-1      | Emergency Engine Exhaust | VOC              | 0.67 | 0.29 |
|           |                          | PM <sub>10</sub> | 0.58 | 0.26 |
|           |                          | NO <sub>x</sub>  | 8.22 | 3.60 |
|           |                          | CO               | 1.77 | 0.78 |
|           |                          | SO <sub>2</sub>  | 0.54 | 0.24 |
| HB-1      | Hot Box 1 Exhaust Stack  | VOC              | 0.01 | 0.01 |
| HB-2      | Hot Box 2 Exhaust Stack  | VOC              | 0.01 | 0.01 |
| HB-3      | Hot Box 3 Exhaust Stack  | VOC              | 0.01 | 0.01 |
| LAB       | Lab Hood Exhaust Stack   | VOC              | 0.01 | 0.02 |
| MSS-Pumps | Pump Maintenance         | VOC              | 0.01 | 0.01 |
| MSS-PRV   | PRV Maintenance          | VOC              | 0.01 | 0.01 |
| MSS-AST   | Storage Tanks            | VOC              | 0.51 | 0.01 |
| MSS-AERO  | Use of Aerosol Products  | VOC              | 1.31 | 0.03 |
| MSS-VAC   | Vacuum Truck Use         | VOC              | 0.01 | 0.01 |
| MSS-Weld  | Welding                  | PM <sub>10</sub> | 0.55 | 0.01 |
| MSS-Blast | Sand Blasting            | PM <sub>10</sub> | 0.63 | 0.01 |

Emission Sources - Maximum Allowable Emission Rates

- (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<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
CO - carbon monoxide
- (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.

Date: November 2, 2012