

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 7223A and PSD-TX-193M3

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. 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>*       | Source                 | Air Contaminant   | Emission Rates |                |
|---------------------|------------------------|-------------------|----------------|----------------|
| Point No. (1)       | Name (2)               | Name (3)          | lb/hr          | TPY            |
| 1,6-HEXANEDIOL UNIT |                        |                   |                |                |
| 3-6-01              | T-935 Scrubber         | Acid Water<br>VOC | <0.01<br><0.01 | <0.01<br><0.01 |
| 3-6-02              | Tank D-980             | VOC               | 0.68           | 0.03           |
| 3-6-03              | Tank D-947             | VOC               | 0.10           | 0.15           |
| 3-6-04              | Tank D-977             | VOC               | <0.01          | <0.01          |
| 3-6-05              | Tank D-978             | VOC               | 0.07           | 0.03           |
| 3-6-06              | Fugitives (4)          | Acid Water<br>VOC | 0.11<br>0.61   | 0.48<br>2.68   |
| 3-6-07              | Tank D-969             | VOC               | 0.22           | 0.08           |
| 3-6-08              | Diols Loading          | VOC               | 0.93           | 0.02           |
| 3-6-09              | 1,6-Hexanediol Loading | VOC               | 0.17           | 0.02           |
| 3-6-10              | Heavies Loading        | VOC               | 2.29           | 0.07           |
| 3-6-11              | Vacuum Pump 940        | VOC               | 0.47           | 2.26           |
| 3-6-12              | Vacuum Pump 960        | VOC               | 0.11           | 0.58           |
| 3-6-13              | Vacuum Pump 965        | VOC               | 0.06           | 0.30           |
| 3-6-14              | Vacuum Pump 970        | VOC               | 0.26           | 1.35           |

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| Emission<br>*         | Source                              | Air Contaminant        | <u>Emission Rates</u> |        |
|-----------------------|-------------------------------------|------------------------|-----------------------|--------|
| Point No. (1)         | Name (2)                            | Name (3)               | lb/hr                 | TPY    |
| 3-6-15                | Tank D-926 Sump                     | VOC                    | 0.87                  | <0.01  |
| 3-6-17                | Tank D-974A                         | VOC                    | <0.01                 | 0.01   |
| 3-6-18                | Tank D-979                          | VOC                    | 0.68                  | 0.19   |
| 3-6-20                | Tank D-966                          | VOC                    | 0.10                  | 0.02   |
| NEOPENTYL GLYCOL UNIT |                                     |                        |                       |        |
| 5-5-02                | Tank D-852                          | VOC                    | 1.41                  | 1.36   |
| 5-5-04                | T-871 Scrubber                      | Formaldehyde           | 0.22                  | 0.03   |
|                       |                                     | VOC                    | 2.25                  | 0.41   |
|                       |                                     | PM                     | 0.32                  | 1.40   |
| 5-5-06                | Neopentyl Glycol<br>Emergency Flare | For emergency use only |                       |        |
| 5-5-08                | Neopentyl Glycol Boiler             | NO <sub>x</sub>        | 30.00                 | 131.40 |
|                       |                                     | CO                     | 10.60                 | 51.73  |
|                       |                                     | VOC                    | 0.44                  | 2.00   |
|                       |                                     | PM                     | 2.89                  | 12.66  |
| 5-5-10                | Fugitives (4)                       | Trimethylamine         | 0.03                  | 0.13   |
|                       |                                     | Formaldehyde           | 0.04                  | 0.16   |
|                       |                                     | VOC                    | 0.54                  | 2.36   |
| 5-5-11                | Slurry Loading<br>Scrubber          | VOC                    | 0.49                  | 0.15   |

(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) PM - particulate matter

VOC - volatile organic compounds as defined in General Rule 101.1

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NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day\_\_\_\_\_Days/week\_\_\_\_\_Weeks/year\_\_\_\_\_or Hrs/year 8,760

Dated \_\_\_\_\_