

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1285

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>Point No. (1) | Source<br>Name (2)                          | Air Contaminant<br>Name (3) | <u>Emission Rates *</u> |       |
|---------------------------|---|-----------------------------|-------------------------|-------|
|                           |   |                             | lb/hr                   | TPY   |
| ST-LL1                    | Activated Carbon Vapor<br>Recovery Unit (4) | VOC                         | 15.15                   | 24.28 |
| ST-LL1                    | Enclosed Flare No.1                         | VOC                         | 17.28                   | 24.38 |
|                           |   | Benzene                     | 0.187                   | 0.09  |
|                           |   | CO                          | 29.02                   | 14.77 |
|                           |   | NO <sub>x</sub>             | 7.29                    | 3.71  |
| F-LL1                     | Loading Rack No. 1 (6)                      | VOC                         | 56.76                   | 90.94 |
| F-LL1                     | Loading Rack No. 1 (7)                      | VOC                         | 22.16                   | 31.26 |
|                           |   | Benzene                     | 0.24                    | 0.115 |
| F-T2213                   | Storage Tank No. 2213                       | VOC                         | 0.01                    | 0.03  |
| F-T29514                  | Storage Tank No. 29514                      | VOC                         | 1.17                    | 0.40  |
| F-T29515                  | Storage Tank No. 29515                      | VOC                         | 1.16                    | 0.40  |
| F-T29537                  | Storage Tank No. 29537<br>(10)              | VOC                         | 1.20                    | 5.26  |
| F-T29537                  | Storage Tank No. 29537<br>(11)              | VOC                         | 0.10                    | 0.15  |
| F-T29538                  | Storage Tank No. 29538                      | VOC                         | 5.78                    | 19.88 |
|                           |   | Benzene                     | 0.062                   | 0.08  |
| F-T30745                  | Storage Tank No. 30745                      | VOC                         | 0.61                    | 2.67  |
| F-T30746                  | Storage Tank No. 30746<br>(10)              | VOC                         | 2.41                    | 10.54 |

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|          |                                |         |       |      |
|----------|--------------------------------|---------|-------|------|
| F-T30746 | Storage Tank No. 30746<br>(11) | VOC     | 1.41  | 4.72 |
|          |                                | Benzene | 0.015 | 0.02 |
| F-T30967 | Storage Tank No. 30967         | VOC     | 0.76  | 2.55 |
|          |                                | Benzene | 0.008 | 0.01 |

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| Emission<br>Point No. (1) | Source<br>Name (2)                 | Air Contaminant<br>Name (3) | <u>Emission Rates *</u> |       |
|---------------------------|------------------------------------|-----------------------------|-------------------------|-------|
|                           |                                    |                             | lb/hr                   | TPY   |
| F-T31476                  | Storage Tank No. 31476             | VOC                         | 0.79                    | 2.68  |
|                           |                                    | Benzene                     | 0.009                   | 0.01  |
| F-T31485                  | Storage Tank No. 31485<br>(10)     | VOC                         | 1.31                    | 5.72  |
| F-T31485                  | Storage Tank No. 31485<br>(11)     | VOC                         | 0.98                    | 3.14  |
|                           |                                    | Benzene                     | 0.011                   | 0.01  |
| UGT31828                  | Underground Tank<br>No. 31828      | VOC                         | 0.01                    | 0.03  |
| UGTVRUKO                  | Underground VRU<br>Knock-out Tank  | VOC                         | 0.03                    | 0.11  |
| UGTFLUSH                  | Underground Flush Tank             | VOC                         | 0.17                    | 0.73  |
| UGTOWS                    | Underground Oil/Water<br>Separator | VOC                         | 0.20                    | 0.89  |
| FELS                      | Fugitive Emissions (5)(8)          | VOC                         | 3.71                    | 16.24 |
| FELS                      | Fugitive Emissions (5)(9)          | VOC                         | 1.21                    | 5.32  |
|                           |                                    | Benzene                     | <0.01                   | <0.01 |
| NEW A                     | Storage Tank A                     | VOC                         | 1.93                    | 0.03  |
| NEW B                     | Storage Tank B                     | VOC                         | 1.93                    | 0.03  |
| ST-LL2                    | Enclosed Flare No. 2               | VOC                         | 17.28                   | 24.38 |
|                           |                                    | Benzene                     | 0.187                   | 0.09  |
|                           |                                    | CO                          | 29.02                   | 14.77 |
|                           |                                    | NO <sub>x</sub>             | 7.29                    | 3.71  |
| F-LL2                     | Loading Rack No. 2                 | VOC                         | 22.16                   | 31.26 |

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|         |      |       |
|---------|------|-------|
| Benzene | 0.24 | 0.115 |
|---------|------|-------|

- (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  
NO<sub>x</sub> - total oxides of nitrogen  
VOC - volatile organic compounds as defined in General Rule 101.1
- (4) This maximum allowable emissions rate is based on current facility operation and shall cease to apply when enclosed Flare No. 1, ST-LL1, becomes operational, no later than June 26, 1995.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (6) This maximum allowable emissions rate is based on current facility operation and shall cease to apply on November 30, 1994.
- (7) This maximum allowable emissions rate is based on future facility operation and shall become effective on December 1, 1994.
- (8) This maximum allowable emissions rate is based on current facility operation and shall cease to apply on December 31, 1994.
- (9) This maximum allowable emissions rate is based on future facility operation and shall become effective on January 1, 1995.
- (10) This maximum allowable emissions rate is based on current facility operation and shall cease to apply when this tank is converted as planned in the latest amendment application, but no later than August 26, 1995.
- (11) This maximum allowable emissions rate is based on future facility operation and shall become effective when this tank is converted as planned in the latest amendment application, but no later than August 26, 1995.

\* 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\_\_\_\_\_