

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
SHORT-TERM

Permit No. 1078

Attachment A.1

These attachments (A.1 and A.2) list 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**

| Term Emission Point No. (1) <u>hour</u> | Source Name (2) | Contaminant Name (3) | Short- |
|--|--------------------|-------------------------|--------------------------------|
| | | | Emission Rates * Pounds per |
| ST 1-1 | Tank 1-1 | VOC | 40.04 |
| ST 1-2 | Tank 1-2 | VOC | 40.04 |
| ST 4-1 | Tank 4-1 | VOC | 40.04 |
| ST 8-1 | Tank 8-1 | VOC | 40.04 |
| ST 12-1 | Tank 12-1 | VOC | 100.11 |
| ST 12-2 | Tank 12-2 | VOC | 100.11 |
| ST 12-3 | Tank 12-3 | VOC | 100.11 |
| ST 12-4 | Tank 12-4 | VOC | 100.11 |
| ST 12-5 | Tank 12-5 | VOC | 100.11 |
| ST 12-6 | Tank 12-6 | VOC | 100.11 |
| ST 12-7 | Tank 12-7 | VOC | 100.11 |
| ST 12-8 | Tank 12-8 | VOC | 100.11 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) | Source Name (2) | Contaminant Name (3) | Short- |
|-----------------------------------|--------------------|-------------------------|-------------------------------------|
| | | | Emission Rates * Pounds per hour |
| ST 12-9 | Tank 12-9 | VOC | 100.11 |
| ST 12-10 | Tank 12-10 | VOC | 100.11 |
| ST 12-11 | Tank 12-11 | VOC | 100.11 |
| ST 12-12 | Tank 12-12 | VOC | 100.11 |
| ST 12-13 | Tank 12-13 | VOC | 100.11 |
| ST 12-14 | Tank 12-14 | VOC | 100.11 |
| ST 12-15 | Tank 12-15 | VOC | 100.11 |
| ST 12-16 | Tank 12-16 | VOC | 100.11 |
| ST 12-17 | Tank 12-17 | VOC | 100.11 |
| ST 12-18 | Tank 12-18 | VOC | 100.11 |
| ST 12-19 | Tank 12-19 | VOC | 100.11 |
| ST 12-20 | Tank 12-20 | VOC | 100.11 |
| ST 12-21 | Tank 12-21 | VOC | 100.11 |
| ST 12-22 | Tank 12-22 | VOC | 100.11 |
| ST 12-23 | Tank 12-23 | VOC | 100.11 |
| ST 12-24 | Tank 12-24 | VOC | 100.11 |
| ST 12-25 | Tank 12-25 | VOC | 100.11 |
| ST 12-26 | Tank 12-26 | VOC | 100.11 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) <u>hour</u> | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * Pounds per | |
|--|--------------------|-------------------------|--|--|
| | | | | |
| ST 12-27 | Tank 12-27 | VOC | 100.11 | |
| ST 12-28 | Tank 12-28 | VOC | 100.11 | |
| ST 12-29 | Tank 12-29 | VOC | 100.11 | |
| ST 12-30 | Tank 12-30 | VOC | 100.11 | |
| ST 12-31 | Tank 12-31 | VOC | 100.11 | |
| ST 12-32 | Tank 12-32 | VOC | 100.11 | |
| ST 12-33 | Tank 12-33 | VOC | 100.11 | |
| ST 12-34 | Tank 12-34 | VOC | 100.11 | |
| ST 12-35 | Tank 12-35 | VOC | 100.11 | |
| ST 12-36 | Tank 12-36 | VOC | 100.11 | |
| ST 12-37 | Tank 12-37 | VOC | 100.11 | |
| ST 12-38 | Tank 12-38 | VOC | 100.11 | |
| ST 12-39 | Tank 12-39 | VOC | 100.11 | |
| ST 12-40 | Tank 12-40 | VOC | 100.11 | |
| ST 12-41 | Tank 12-41 | VOC | 100.11 | |
| ST 12-42 | Tank 12-42 | VOC | 100.11 | |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) <u>hour</u> | Source Name (2) | Contaminant Name (3) | Short- |
|--|--------------------|-------------------------|--------------------------------|
| | | | Emission Rates * Pounds per |
| ST 12-43 | Tank 12-43 | VOC | 100.11 |
| ST 12-44 | Tank 12-44 | VOC | 100.11 |
| ST 12-45 | Tank 12-45 | VOC | 100.11 |
| ST 12-46 | Tank 12-46 | VOC | 100.11 |
| ST 12-47 | Tank 12-47 | VOC | 100.11 |
| ST 12-48 | Tank 12-48 | VOC | 100.11 |
| ST 12-49 | Tank 12-49 | VOC | 100.11 |
| ST 12-50 | Tank 12-50 | VOC | 100.11 |
| ST 12-51 | Tank 12-51 | VOC | 100.11 |
| ST 12-52 | Tank 12-52 | VOC | 100.11 |
| ST 12-53 | Tank 12-53 | VOC | 100.11 |
| ST 25-5 | Tank 25-5 | Acrylic Acid | 22.5 |
| ST 25-6 | Tank 25-6 | Acrylic Acid | 22.5 |
| ST 30-1 | Tank 30-1 | VOC | 100.11 |
| ST 30-2 | Tank 30-2 | VOC | 100.11 |
| ST 30-3 | Tank 30-3 | VOC | 100.11 |
| ST 30-4 | Tank 30-4 | VOC | 100.11 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term | Source | Contaminant | Emission Rates * |
|--|------------|-------------|------------------|
| Emission Point No. (1) <u>hour</u> | Name (2) | Name (3) | Pounds per |
| ST 30-5 | Tank 30-5 | VOC | 100.11 |
| ST 30-6 | Tank 30-6 | VOC | 100.11 |
| ST 30-7 | Tank 30-7 | VOC | 100.11 |
| ST 30-8 | Tank 30-8 | VOC | 100.11 |
| ST 33-1 | Tank 33-1 | VOC | 100.11 |
| ST 33-2 | Tank 33-2 | VOC | 100.11 |
| ST 35-4 | Tank 35-4 | VOC | 100.11 |
| ST 35-5 | Tank 35-5 | VOC | 100.11 |
| ST 35-6 | Tank 35-6 | VOC | 100.11 |
| ST 35-7 | Tank 35-7 | VOC | 100.11 |
| ST 35-8 | Tank 35-8 | VOC | 100.11 |
| ST 35-9 | Tank 35-9 | VOC | 100.11 |
| ST 35-10 | Tank 35-10 | VOC | 100.11 |
| ST 35-11 | Tank 35-11 | VOC | 100.11 |
| ST 35-12 | Tank 35-12 | VOC | 100.11 |
| ST 35-13 | Tank 35-13 | VOC | 100.11 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) <u>hour</u> | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * Pounds per |
|--|--------------------|-------------------------|--|
| ST 35-14 | Tank 35-14 | VOC | 100.11 |
| ST 35-15 | Tank 35-15 | VOC | 100.11 |
| ST 36-1 | Tank 36-1 | VOC | 100.11 |
| ST 36-2 | Tank 36-2 | VOC | 100.11 |
| ST 36-3 | Tank 36-3 | VOC | 100.11 |
| ST 36-4 | Tank 36-4 | VOC | 100.11 |
| ST 36-5 | Tank 36-5 | VOC | 100.11 |
| ST 50-1 | Tank 50-1 | VOC | 100.11 |
| ST 80-1 | Tank 80-1 | VOC | 280.3 |
| ST 80-2 | Tank 80-2 | VOC | 280.3 |
| ST 80-3 | Tank 80-3 | VOC | 280.3 |
| ST 80-4 | Tank 80-4 | VOC | 280.3 |
| ST 80-5 | Tank 80-5 | VOC | 280.3 |
| ST 80-6 | Tank 80-6 | VOC | 280.3 |
| ST 80-7 | Tank 80-7 | VOC | 280.3 |
| ST 80-8 | Tank 80-8 | VOC | 280.3 |
| ST 80-9 | Tank 80-9 | VOC | 280.3 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * | |
|-----------------------------------|--------------------|-------------------------|----------------------------|-------------|
| | | | Pounds | per hour |
| ST 80-10 | Tank 80-10 | VOC | 280.3 | |
| ST 80-11 | Tank 80-11 | VOC | 280.3 | |
| ST 80-12 | Tank 80-12 | VOC | 280.3 | |
| ST 80-13 | Tank 80-13 | VOC | 280.3 | |
| ST 80-14 | Tank 80-14 | VOC | 280.3 | |
| ST 80-15 | Tank 80-15 | VOC | 280.3 | |
| ST 80-16 | Tank 80-16 | VOC | 280.3 | |
| ST 80-17 | Tank 80-17 | VOC | 280.3 | |
| ST 80-18 | Tank 80-18 | VOC | 280.3 | |
| ST 80-19 | Tank 80-19 | VOC | 280.3 | |
| ST 80-20 | Tank 80-20 | VOC | 280.3 | |
| ST 80-21 | Tank 80-21 | VOC | 280.3 | |
| ST 80-22 | Tank 80-22 | VOC | 280.3 | |
| ST 80-23 | Tank 80-23 | VOC | 280.3 | |
| ST 80-24 | Tank 80-24 | VOC | 280.3 | |
| ST 80-25 | Tank 80-25 | VOC | 280.3 | |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) <u>hour</u> | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * Pounds per |
|--|--------------------|-------------------------|--|
| ST 80-26 | Tank 80-26 | VOC | 280.3 |
| ST 80-27 | Tank 80-27 | VOC | 280.3 |
| ST 80-28 | Tank 80-28 | VOC | 280.3 |
| ST 80-29 | Tank 80-29 | VOC | 280.3 |
| ST 80-30 | Tank 80-30 | VOC | 280.3 |
| ST 80-31 | Tank 80-31 | VOC | 280.3 |
| ST 80-32 | Tank 80-32 | VOC | 280.3 |
| ST 80-33 | Tank 80-33 | VOC | 280.3 |
| ST 80-34 | Tank 80-34 | VOC | 280.3 |
| ST 80-35 | Tank 80-35 | VOC | 280.3 |
| ST 80-36 | Tank 80-36 | VOC | 280.3 |
| ST 80-37 | Tank 80-37 | VOC | 280.3 |
| ST 80-38 | Tank 80-38 | VOC | 280.3 |
| ST 100-1** | Tank 100-1 | VOC | 2.36 |
| ST 100-2** | Tank 100-2 | VOC | 2.36 |
| ST 100-3** | Tank 100-3 | VOC | 2.36 |
| ST 100-4** | Tank 100-4 | VOC | 2.36 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) <u>hour</u> | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * Pounds per | |
|--|--------------------|-------------------------|--|--|
| | | | | |
| ST 100-5** | Tank 100-5 | VOC | 2.36 | |
| ST 100-6** | Tank 100-6 | VOC | 2.36 | |
| ST 100-7** | Tank 100-7 | VOC | 2.05 | |
| ST 100-8** | Tank 100-8 | VOC | 2.05 | |
| ST 100-9** | Tank 100-9 | VOC | 2.05 | |
| ST 100-10** | Tank 100-10 | VOC | 2.05 | |
| ST 100-11** | Tank 100-11 | VOC | 1.61 | |
| ST 100-12** | Tank 100-12 | VOC | 1.61 | |
| ST 100-13** | Tank 100-13 | VOC | 1.61 | |
| ST 100-14** | Tank 100-14 | VOC | 1.61 | |
| ST 100-15** | Tank 100-15 | VOC | 1.61 | |
| ST 100-16** | Tank 100-16 | VOC | 1.61 | |
| ST 160-1 | Tank 160-1 | VOC | 280.3 | |
| ST 160-2 | Tank 160-2 | VOC | 280.3 | |
| ST 160-3 | Tank 160-3 | VOC | 280.3 | |
| ST 160-4 | Tank 160-4 | VOC | 280.3 | |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) <u>hour</u> | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * Pounds per | |
|--|----------------------------|------------------------------|--|--|
| | | | | |
| ST 160-5 | Tank 160-5 | VOC | 280.3 | |
| ST 160-6 | Tank 160-6 | VOC | 280.3 | |
| TRK-A1 | Track A1 (14 Car Spots) | VOC (18.9 lb/hr/car spot) | 264.6 | |
| TRK-A2 | Track A2 (14 Car Spots) | VOC (18.9 lb/hr/car spot) | 264.6 | |
| TRK-B1 | Track B1 (14 Car Spots) | VOC (18.9 lb/hr/car spot) | 264.6 | |
| TRK-B2 | Track B2 (14 Car Spots) | VOC (18.9 lb/hr/car spot) | 264.6 | |
| TRK-B3 | Track B3 (10 Car Spots) | VOC (18.9 lb/hr/car spot) | 189.0 | |
| TRK-C1 | Track C1 (8 Car Spots) | VOC (18.9 lb/hr/car spot) | 151.2 | |
| TRK-C2 | Track C2 (8 Car Spots) | VOC (18.9 lb/hr/car spot) | 151.2 | |
| TRK-D | Track D (9 Car Spots) | VOC (18.9 lb/hr/car spot) | 170.4 | |
| TRK-E | Track E (9 Car Spots) | VOC (18.9 lb/hr/car spot) | 170.4 | |
| TRK-F1 | Track F1 | VOC | 113.4 | |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * | |
|-----------------------------------|---|--------------------------------|----------------------------|-------------|
| | | | Pounds | per hour |
| | (6 Car Spots) | (18.9 lb/hr/car spot) | | |
| TRK-F2 | Track F2 (6 Car Spots) | VOC (18.9 lb/hr/car spot) | 113.4 | |
| TRK-F3 | Track F3 (6 Car Spots) | VOC (18.9 lb/hr/car spot) | 113.4 | |
| TRK-G1 | Track G1 (10 Car Spots) | VOC (18.9 lb/hr/car spot) | 189.0 | |
| TRK-G2 | Track G2 (10 Car Spots) | VOC (18.9 lb/hr/car spot) | 189.0 | |
| TRK-H | Track H (8 Car Spots) | VOC (18.9 lb/hr/car spot) | 151.2 | |
| LUB RACK | Lubrizol R-Rack (3 Truck Spots) | VOC (18.9 lb/hr/truck spot) | 56.8 | |
| 1ST 12s TR RACK | First 12s Truck Rack (12 Truck Spots) | VOC (18.9 lb/hr/truck spot) | 227.2 | |
| 2ND 12s TR RACK | Second 12s Truck Rack (12 Truck Spots) | VOC (18.9 lb/hr/truck spot) | 227.2 | |
| 1ST 80s TR RACK | First 80s Truck Rack (12 Truck Spots) | VOC (18.9 lb/hr/truck spot) | 227.2 | |
| C-TR RACK | C-Truck Rack (4 Truck Spots) | VOC (18.9 lb/hr/truck spot) | 75.6 | |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * Pounds per hour |
|-----------------------------------|----------------------------------|--------------------------------|--|
| F-TR RACK | F-Truck Rack (4 Truck Spots) | VOC (18.9 lb/hr/truck spot) | 75.6 |
| TR RACK G | Truck Rack G (12 Truck Spots) | VOC (18.9 lb/hr/truck spot) | 227.2 |
| TR RACK H | Truck Rack H (10 Truck Spots) | VOC (18.9 lb/hr/truck spot) | 189.0 |
| BGDK-1 | Barge Dock No. 1 | VOC | 94.7 |
| BGDK-2 | Barge Dock No. 2 | VOC | 94.7 |
| BGDK-3 | Barge Dock No. 3 | VOC | 94.7 |
| BGDK-4 | Barge Dock No. 4 | VOC | 94.7 |
| BGDK-5 | Barge Dock No. 5 | VOC | 94.7 |
| BGDK-6 | Barge Dock No. 6 | VOC | 94.7 |
| BGDK-7 | Barge Dock No. 7 | VOC | 94.7 |
| BGDK-8 | Barge Dock No. 8 | VOC | 94.7 |
| BGDK-9 | Barge Dock No. 9 | VOC | 94.7 |
| BGDK-10 | Barge Dock No. 10 | VOC | 94.7 |
| BGDK-BKR | Bunker Fuel Dock | VOC | 94.7 |
| SHPDK-1 | Ship Dock No. 1 | VOC | 113.6 |
| SHPDK-2 | Ship Dock No. 2 | VOC | 113.6 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * | |
|-----------------------------------|--------------------------------|-------------------------|----------------------------|-------------|
| | | | Pounds | per hour |
| SHPDK-3 | Ship Dock No. 3 | VOC | 113.6 | |
| SHPDK-7 | Ship Dock No. 7 | VOC | 113.6 | |
| SHPDK-8 | Ship Dock No. 8 | VOC | 113.6 | |
| FL-12s | 12s Truck and Railcar Flare | VOC | 54.1 | |
| | | CO | 29.7 | |
| | | NO _x | 3.5 | |
| | | HCl/HBr | 12.72 | |
| FL-105-1 | Tank 105-1 Flare | VOC | 100.0 | |
| | | CO | 110.0 | |
| | | NO _x | 12.8 | |
| FL-105-2 | Tank 105-2 Flare | VOC | 100.0 | |
| | | CO | 110.0 | |
| | | NO _x | 12.8 | |
| FL-105-3 | Tank 105-3 Flare | VOC | 100.0 | |
| | | CO | 110.0 | |
| | | NO _x | 12.8 | |
| FL-SPR | Spheres Flare | VOC | 200.0 | |
| | | CO | 110.0 | |
| | | NO _x | 12.8 | |
| FL-50-2 | Tank 50-2 Flare | VOC | 32.0 | |
| | | CO | 16.8 | |
| | | NO _x | 1.96 | |
| FL-80s | 80s Truck and Railcar Flare | VOC | 23.6 | |
| | | CO | 13.0 | |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) <u>hour</u> | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * | |
|--|--------------------------------|-------------------------|----------------------------|-----|
| | | | Pounds | per |
| | | NO _x | 1.5 | |
| | | HCl/HBr | 12.72 | |
| FL-3 | Marine Loading Flare No. 3 | VOC | 122.00 | |
| | | CO | 63.7 | |
| | | NO _x | 7.43 | |
| | | HCl | 14.77 | |
| | | HBr | 16.5 | |
| FL-5A | Marine Loading Flare No. 5A | VOC | 122.00 | |
| | | CO | 63.7 | |
| | | NO _x | 7.43 | |
| | | HCl | 14.77 | |
| | | HBr | 16.5 | |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) <u>hour</u> | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * Pounds per | |
|--|--------------------------------|-------------------------|--|--|
| | | | | |
| FL-5B | Marine Loading Flare No. 5B | VOC | 122.00 | |
| | | CO | 63.7 | |
| | | NO _x | 7.43 | |
| | | HCl | 14.77 | |
| | | HBr | 16.5 | |
| FL-5C | Marine Loading Flare No. 5C | VOC | 122.00 | |
| | | CO | 63.7 | |
| | | NO _x | 7.43 | |
| | | HCl | 14.77 | |
| | | HBr | 16.5 | |
| FL-5D | Marine Loading Flare No. 5D | VOC | 122.00 | |
| | | CO | 63.7 | |
| | | NO _x | 7.43 | |
| | | HCl | 14.77 | |
| | | HBr | 16.5 | |
| FL-5E | Marine Loading Flare No. 5E | VOC | 122.00 | |
| | | CO | 63.7 | |
| | | NO _x | 7.43 | |
| | | HCl | 14.77 | |
| | | HBr | 16.5 | |
| FL-5F | Marine Loading Flare No. 5F | VOC | 122.00 | |
| | | CO | 63.7 | |
| | | NO _x | 7.43 | |
| | | HCl | 14.77 | |
| | | HBr | 16.5 | |
| FL-5G | Marine Loading Flare No. 5G | VOC | 122.00 | |
| | | CO | 63.7 | |
| | | NO _x | 7.43 | |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA**

| Term Emission Point No. (1) <u>hour</u> | Source Name (2) | Contaminant Name (3) | Short- Emission Rates * | |
|--|------------------------|-------------------------|----------------------------|-----|
| | | | Pounds | per |
| | | HCl | 14.77 | |
| | | HBr | 16.5 | |
| FUG | Fugitive Emissions (4) | | VOC | 5.3 |

Dated_____

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
ANNUAL

Permit No. 1078

Attachment A.2

AIR CONTAMINANTS DATA

| Emission Rates * | Source | Air Contaminant | Annual Emission |
|---|---|-----------------|----------------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>Tons per</u> |
| <u>Year</u> | | | |
| 1-1 through 160-6 | 202.5 | Storage Tanks | VOC |
| TRK A through H and LUB RACK | Truck and Rail Loading All Spots (no controls) | VOC | 5.3 |
| BGDK-1 through 10 and BGDK-BKR | Barge and Ship Loading All Docks (no controls) | VOC | 11.7 |
| SHPDK-1, 2, 3, 7, and 8 | | | |
| FL-12s, FL-50-2, Flares-Land Loading FL-80s, FL-SPR, FL-105-1, 2, and 3 | | VOC | 5.1 |
| | | | CO 7.62 |
| | | | NO _x 0.89 |
| | | HCl | 2.33† |
| | | HBr | 4.0† |
| FL-3, 5A through 5G | Flares-Marine Loading | VOC | 20.9 |
| | | CO | 31.5 |
| | | NO _x | 4.2 |
| | | HCl | 2.33† |
| | | HBr | 4.0† |
| FUG | Fugitives (4) | VOC | 23.2 |

The following applies to Attachments A.1 and A.2:

- (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.

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

NO_x - total oxides of nitrogen

CO - carbon monoxide

HCl - hydrochloric acid

HBr - hydrobromic acid

- (4) Fugitive emissions are estimates only.

* Emission rates are based on continuous operation.

** All short-term tank emission rates are based on fixed-roof tanks except Tank Nos. 100-1 to 100-16 which are based on internal floating roof tanks storing methyl-tert-butyl ether.

† Total facility HCl emissions shall not exceed 2.33 ton per year (tpy) and total facility HBr emissions shall not exceed 4.0 tpy.

Dated_____