

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 3467B

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 |         |
|-------------------------|----------------------------|--------------------------|----------------|---------|
|                         |                            |                          | lbs/hour       | TPY (4) |
| Group 1 – Storage Tanks |                            |                          |                |         |
| B-001                   | Storage Tank B-1 (6.2 MB)  | VOC                      | 77.19          | -       |
| B-002                   | Storage Tank B-2 (6.2 MB)  | VOC                      | 77.19          | -       |
| B-006                   | Storage Tank B-6 (6.2 MB)  | VOC                      | 77.19          | -       |
| B-007                   | Storage Tank B-7 (6.2 MB)  | VOC                      | 77.19          | -       |
| B-008                   | Storage Tank B-8 (6.2 MB)  | VOC                      | 77.19          | -       |
| B-009                   | Storage Tank B-9 (6.2 MB)  | VOC                      | 77.19          | -       |
| B-010                   | Storage Tank B-10 (6.2 MB) | VOC                      | 77.19          | -       |
| B-011                   | Storage Tank B-11 (6.2 MB) | VOC                      | 77.19          | -       |
| B-012                   | Storage Tank B-12 (6.2 MB) | VOC                      | 77.19          | -       |
| B-013                   | Storage Tank B-13 (6.2 MB) | VOC                      | 77.19          | -       |
| B-014                   | Storage Tank B-14 (6.2 MB) | VOC                      | 77.19          | -       |
| B-015                   | Storage Tank B-15 (6.2 MB) | VOC                      | 77.19          | -       |
| B-016                   | Storage Tank B-16 (6.2 MB) | VOC                      | 77.19          | -       |
| B-017                   | Storage Tank B-17 (6.2 MB) | VOC                      | 77.19          | -       |
| B-018                   | Storage Tank B-18 (6.2 MB) | VOC                      | 77.19          | -       |
| B-019                   | Storage Tank B-19 (6.2 MB) | VOC                      | 77.19          | -       |
| B-020                   | Storage Tank B-20 (6.2 MB) | VOC                      | 77.19          | -       |
| B-021                   | Storage Tank B-21 (6.2 MB) | VOC                      | 77.19          | -       |
| B-022                   | Storage Tank B-22 (6.2 MB) | VOC                      | 77.19          | -       |
| B-023                   | Storage Tank B-23 (6.2 MB) | VOC                      | 77.19          | -       |
| B-024                   | Storage Tank B-24 (6.2 MB) | VOC                      | 77.19          | -       |
| B-025                   | Storage Tank B-25 (6.2 MB) | VOC                      | 77.19          | -       |
| B-026                   | Storage Tank B-26 (6.2 MB) | VOC                      | 77.19          | -       |

Emission Sources - Maximum Allowable Emission Rates

|       |                              |     |       |   |
|-------|------------------------------|-----|-------|---|
| B-027 | Storage Tank B-27 (6.2 MB)   | VOC | 77.19 | - |
| B-029 | Storage Tank B-29 (6.2 MB)   | VOC | 77.19 | - |
| B-030 | Storage Tank B-30 (6.2 MB)   | VOC | 77.19 | - |
| B-031 | Storage Tank B-31 (6.2 MB)   | VOC | 77.19 | - |
| B-032 | Storage Tank B-32 (6.2 MB)   | VOC | 77.19 | - |
| B-033 | Storage Tank B-33 (6.2 MB)   | VOC | 77.19 | - |
| B-034 | Storage Tank B-34 (6.2 MB)   | VOC | 77.19 | - |
| B-035 | Storage Tank B-35 (6.2 MB)   | VOC | 77.19 | - |
| B-036 | Storage Tank B-36 (6.2 MB)   | VOC | 77.19 | - |
| B-037 | Storage Tank B-37 (6.2 MB)   | VOC | 77.19 | - |
| B-038 | Storage Tank B-38 (6.2 MB)   | VOC | 77.19 | - |
| B-039 | Storage Tank B-39 (6.2 MB)   | VOC | 77.19 | - |
| B-040 | Storage Tank B-40 (6.2 MB)   | VOC | 77.19 | - |
| B-041 | Storage Tank B-41 (7.0 MB)   | VOC | 77.19 | - |
| B-200 | Storage Tank B-200 (12.5 MB) | VOC | 86.83 | - |
| B-201 | Storage Tank B-201 (12.5 MB) | VOC | 86.83 | - |
| B-202 | Storage Tank B-202 (12.5 MB) | VOC | 86.83 | - |
| B-203 | Storage Tank B-203 (12.5 MB) | VOC | 86.83 | - |
| B-204 | Storage Tank B-204 (12.5 MB) | VOC | 86.83 | - |
| B-205 | Storage Tank B-205 (12.5 MB) | VOC | 86.83 | - |
| B-206 | Storage Tank B-206 (12.5 MB) | VOC | 86.83 | - |
| B-207 | Storage Tank B-207 (12.5 MB) | VOC | 86.83 | - |
| B-208 | Storage Tank B-208 (12.5 MB) | VOC | 86.83 | - |
| B-209 | Storage Tank B-209 (12.5 MB) | VOC | 86.83 | - |
| B-210 | Storage Tank B-210 (12.5 MB) | VOC | 86.83 | - |
| B-211 | Storage Tank B-211 (12.5 MB) | VOC | 86.83 | - |
| B-212 | Storage Tank B-212 (3.6 MB)  | VOC | 77.19 | - |
| B-213 | Storage Tank B-213 (6.7 MB)  | VOC | 77.19 | - |
| B-214 | Storage Tank B-214 (12.5 MB) | VOC | 86.83 | - |

Emission Sources - Maximum Allowable Emission Rates

|       |                              |     |        |   |
|-------|------------------------------|-----|--------|---|
| B-215 | Storage Tank B-215 (12.5 MB) | VOC | 86.83  | - |
| B-216 | Storage Tank B-216 (6.7 MB)  | VOC | 77.19  | - |
| B-217 | Storage Tank B-217 (37.5 MB) | VOC | 46.32  | - |
| B-218 | Storage Tank B-218 (37.5 MB) | VOC | 46.32  | - |
| B-219 | Storage Tank B-219 (12.5 MB) | VOC | 86.83  | - |
| B-220 | Storage Tank B-220 (12.5 MB) | VOC | 86.83  | - |
| B-221 | Storage Tank B-221 (12.5 MB) | VOC | 86.83  | - |
| B-222 | Storage Tank B-222 (12.5 MB) | VOC | 86.83  | - |
| B-300 | Storage Tank B-300 (25 MB)   | VOC | 115.78 | - |
| B-301 | Storage Tank B-301 (25 MB)   | VOC | 115.78 | - |
| B-302 | Storage Tank B-302 (25 MB)   | VOC | 115.78 | - |
| B-303 | Storage Tank B-303 (25 MB)   | VOC | 115.78 | - |
| B-304 | Storage Tank B-304 (25 MB)   | VOC | 115.78 | - |
| B-305 | Storage Tank B-305 (25 MB)   | VOC | 115.78 | - |
| B-306 | Storage Tank B-306 (25 MB)   | VOC | 115.78 | - |
| B-307 | Storage Tank B-307 (25 MB)   | VOC | 115.78 | - |
| B-308 | Storage Tank B-308 (25 MB)   | VOC | 115.78 | - |
| B-309 | Storage Tank B-309 (25 MB)   | VOC | 115.78 | - |
| B-310 | Storage Tank B-310 (25 MB)   | VOC | 115.78 | - |
| B-311 | Storage Tank B-311 (25 MB)   | VOC | 115.78 | - |
| B-313 | Storage Tank B-313 (30 MB)   | VOC | 46.32  | - |
| B-400 | Storage Tank B-400 (50 MB)   | VOC | 46.32  | - |
| B-401 | Storage Tank B-401 (50 MB)   | VOC | 46.32  | - |
| B-402 | Storage Tank B-402 (50 MB)   | VOC | 46.32  | - |
| B-403 | Storage Tank B-403 (50 MB)   | VOC | 46.32  | - |
| B-404 | Storage Tank B-404 (50 MB)   | VOC | 46.32  | - |
| B-405 | Storage Tank B-405 (50 MB)   | VOC | 46.32  | - |
| B-406 | Storage Tank B-406 (50 MB)   | VOC | 46.32  | - |
| B-407 | Storage Tank B-407 (50 MB)   | VOC | 46.32  | - |

Emission Sources - Maximum Allowable Emission Rates

|       |                                 |     |       |   |
|-------|---------------------------------|-----|-------|---|
| B-408 | Storage Tank B-408 (50 MB)      | VOC | 46.32 | - |
| B-409 | Storage Tank B-409 (50 MB)      | VOC | 46.32 | - |
| B-410 | Storage Tank B-410 (50 MB)      | VOC | 46.32 | - |
| B-411 | Storage Tank B-411 (50 MB)      | VOC | 46.32 | - |
| B-412 | Storage Tank B-412 (50 MB)      | VOC | 46.32 | - |
| B-413 | Storage Tank B-413 (50 MB)      | VOC | 46.32 | - |
| B-414 | Storage Tank B-414 (50 MB)      | VOC | 46.32 | - |
| B-415 | Storage Tank B-415 (50 MB)      | VOC | 46.32 | - |
| B-500 | Storage Tank B-500 (50 MB)      | VOC | 68.82 | - |
| B-501 | Storage Tank B-501 (80 MB)      | VOC | 68.82 | - |
| B-502 | Storage Tank B-502 (80 MB)      | VOC | 68.82 | - |
| B-503 | Storage Tank B-503 (80 MB)      | VOC | 68.82 | - |
| B-504 | Storage Tank B-504 (80 MB)      | VOC | 68.82 | - |
| B-505 | Storage Tank B-505 (50 MB)      | VOC | 68.82 | - |
| B-506 | Storage Tank B-506 (50 MB)      | VOC | 68.82 | - |
| B-507 | Storage Tank B-507 (80 MB)      | VOC | 68.82 | - |
| B-701 | Storage Tank B-701 (50 MB)      | VOC | 46.32 | - |
| B-702 | Storage Tank B-702 (50 MB)      | VOC | 46.32 | - |
| B-703 | Storage Tank B-703 (50 MB)      | VOC | 46.32 | - |
| B-704 | Storage Tank B-704 (50 MB)      | VOC | 46.32 | - |
| B-705 | Storage Tank B-705 (50 MB)      | VOC | 46.32 | - |
| B-706 | Storage Tank B-706 (50 MB)      | VOC | 46.32 | - |
| B-709 | Storage Tank B-709 (100 MB)     | VOC | 1.83  | - |
| B-710 | Storage Tank B-710 (100 MB)     | VOC | 1.83  | - |
| B-711 | Storage Tank B-711 (100 MB)     | VOC | 1.83  | - |
| B-712 | Storage Tank B-712 (100 MB)     | VOC | 1.83  | - |
| B-800 | Storage Tank B-800 (150 MB) (7) | VOC | 3.68  | - |
| B-801 | Storage Tank B-801 (120 MB)     | VOC | 41.60 | - |
| B-810 | Storage Tank B-810 (100 MB)     | VOC | 41.60 | - |

Emission Sources - Maximum Allowable Emission Rates

|       |                                      |     |       |   |
|-------|--------------------------------------|-----|-------|---|
| B-811 | Storage Tank B-811 (100 MB)          | VOC | 41.60 | - |
| 26    | Tank V9201 (47 MB) (7)               | VOC | 2.33  | - |
| 27    | Tank V9202 (5 MB) (7)                | VOC | 1.59  | - |
| 28    | Tank V9203 (20 MB) (7)               | VOC | 1.83  | - |
| 29    | Tank V9204 (7 MB) (7)                | VOC | 1.59  | - |
| 30    | Tank V9205 (20 MB) (7)               | VOC | 1.83  | - |
| 31    | Tank V9206 (8 MB) (7)                | VOC | 1.58  | - |
| 32    | Tank V9217 (14 MB) (7)               | VOC | 1.58  | - |
| 33    | Tank V9301 (15 MB) (7)               | VOC | 1.58  | - |
| 35    | Tank V9303 (7.5 MB) (7)              | VOC | 1.58  | - |
| 36    | Tank V9304 (8 MB) (7)                | VOC | 1.58  | - |
| 37    | Tank V9305 (10 MB) (7)               | VOC | 1.58  | - |
| 38    | Tank V9306 (10 MB) (7)               | VOC | 1.58  | - |
| 39    | Tank V9407 (5 MB) (7)                | VOC | 2.96  | - |
| 58    | Tank V9401 (115 MB) (7)              | VOC | 2.96  | - |
| 59    | Tank V9402 (115 MB) (7)              | VOC | 2.96  | - |
| 60    | Tank V9403 (115 MB) (7)              | VOC | 2.96  | - |
| 65    | Tank V9223 (12 MB)                   | VOC | 3.00  | - |
| 67    | Tank V9701 (142 MB) (7)              | VOC | 3.68  | - |
| 75    | Tank V9227 (7 MB) (7)                | VOC | 1.58  | - |
| 81    | Tank V9601 (1 MB)                    | VOC | 0.75  | - |
| 82    | Tank V9602 (2 KB)                    | VOC | 0.11  | - |
| 83    | Tank V9603 (2 KB)                    | VOC | 0.11  | - |
| 84    | Tank V9604 (2 KB)                    | VOC | 0.11  | - |
| 87    | Tank V9608 (8 KB)                    | VOC | 0.40  | - |
| 96    | Tank V9606 (8 KB)                    | VOC | 0.24  | - |
| 100   | Tank V9266 (48 MB) (7)               | VOC | 2.33  | - |
| 101   | Tank V1422 (20 MB)                   | VOC | 3.00  | - |
| 103   | Waste Storage Tank V1516 (12 MB) (7) | VOC | 1.58  | - |

Emission Sources - Maximum Allowable Emission Rates

|                                   |  |     |         |        |
|-----------------------------------|--|-----|---------|--------|
| 104                               | Waste Sump V1517                         | VOC | 0.13    | -      |
| 105                               | Waste Sump V1518                         | VOC | 0.13    | -      |
| 108                               | Waste Sump V9246                         | VOC | 0.02    | -      |
| 109                               | Waste Sump V9263                         | VOC | 0.07    | -      |
| 110                               | Waste Sump V9264                         | VOC | 0.33    | -      |
| 111                               | Waste Sump V9265                         | VOC | 0.33    | -      |
| 112                               | Wastewater Tank V9207                    | VOC | 0.42    | -      |
| 113                               | Wastewater Tank V9225                    | VOC | 0.42    | -      |
| Group 1                           | Annual Emissions                         | VOC | -       | 127.16 |
| <b>Group 2 – Storage Tanks</b>    |  |     |         |        |
| B-709, B-710, B-711,<br>and B-712 | Annual Subcap Emissions (6)              | VOC | -       | 20.59  |
| Storage Tanks                     | Total Refill and Roof Landing<br>Cap (6) | VOC | 1385.00 | -      |
| <b>Group A – Storage Tanks</b>    |  |     |         |        |
| B-802                             | Storage Tank B-802 (100 MB)              | VOC | 1.04    | -      |
| B-803                             | Storage Tank B-803 (100 MB)              | VOC | 1.04    | -      |
| B-804                             | Storage Tank B-804 (100 MB)              | VOC | 1.04    | -      |
| B-805                             | Storage Tank B-805 (100 MB)              | VOC | 1.04    | -      |
| B-806                             | Storage Tank B-806 (100 MB)              | VOC | 1.04    | -      |
| B-807                             | Storage Tank B-807 (100 MB)              | VOC | 1.04    | -      |
| B-808                             | Storage Tank B-808 (100 MB)              | VOC | 1.04    | -      |
| B-809                             | Storage Tank B-809 (100 MB)              | VOC | 1.04    | -      |
| B-812                             | Storage Tank B-812 (100 MB)              | VOC | 0.73    | -      |
| B-813                             | Storage Tank B-813 (100 MB)              | VOC | 0.73    | -      |
| 100-1                             | Storage Tank 100-1 (100 MB)              | VOC | 0.63    | -      |
| 100-2                             | Storage Tank 100-2 (100 MB)              | VOC | 0.63    | -      |
| 100-3                             | Storage Tank 100-3 (100 MB)              | VOC | 0.63    | -      |
| 100-4                             | Storage Tank 100-4 (100 MB)              | VOC | 0.63    | -      |
| 100-5                             | Storage Tank 100-5 (100 MB)              | VOC | 0.63    | -      |

Emission Sources - Maximum Allowable Emission Rates

|                                |                              |     |       |       |
|--------------------------------|------------------------------|-----|-------|-------|
| 100-6                          | Storage Tank 100-6 (100 MB)  | VOC | 0.63  | -     |
| 100-7                          | Storage Tank 100-7 (100 MB)  | VOC | 0.81  | -     |
| 100-8                          | Storage Tank 100-8 (100 MB)  | VOC | 0.81  | -     |
| 120-7                          | Storage Tank 120-7 (120 MB)  | VOC | 0.80  | -     |
| 120-8                          | Storage Tank 120-8 (120 MB)  | VOC | 0.80  | -     |
| Tank Cap – A                   | Legacy West Annual Tank Cap  | VOC | -     | 14.90 |
| <b>Group B – Storage Tanks</b> |                              |     |       |       |
| B-223                          | Storage Tank B-223 (12.5 MB) | VOC | 11.34 | -     |
| B-224                          | Storage Tank B-224 (12.5 MB) | VOC | 11.34 | -     |
| B-225                          | Storage Tank B-225 (12.5 MB) | VOC | 11.34 | -     |
| B-226                          | Storage Tank B-226 (12.5 MB) | VOC | 11.34 | -     |
| B-314                          | Storage Tank B-314 (6.25 MB) | VOC | 11.34 | -     |
| B-315                          | Storage Tank B-315 (6.25 MB) | VOC | 11.34 | -     |
| B-316                          | Storage Tank B-316 (6.25 MB) | VOC | 11.34 | -     |
| B-317                          | Storage Tank B-317 (6.25 MB) | VOC | 11.34 | -     |
| B-814                          | Storage Tank B-814 (100 MB)  | VOC | 11.34 | -     |
| B-815                          | Storage Tank B-815 (100 MB)  | VOC | 11.34 | -     |
| B-819                          | Storage Tank B-819 (120 MB)  | VOC | 11.34 | -     |
| B-9408                         | Storage Tank B-9408 (25 MB)  | VOC | 11.34 | -     |
| Tank Cap - B                   | VFR PBR/SP Annual Tank Cap   | VOC | -     | 5.35  |
| <b>Group C – Storage Tanks</b> |                              |     |       |       |
| B-816                          | Storage Tank B-816 (120 MB)  | VOC | 0.90  | -     |
| B-817                          | Storage Tank B-817 (120 MB)  | VOC | 0.90  | -     |
| B-818                          | Storage Tank B-818 (120 MB)  | VOC | 0.90  | -     |
| B-42                           | Storage Tank B-42 (6.25 MB)  | VOC | 2.55  | -     |
| B-43                           | Storage Tank B-42 (6.25 MB)  | VOC | 2.55  | -     |
| B-28                           | Storage Tank B-28 (6.5 MB)   | VOC | 2.16  | -     |
| B-3                            | Storage Tank B-3 (6.5 MB)    | VOC | 2.16  | -     |
| B-4                            | Storage Tank B-4 (6.5 MB)    | VOC | 2.12  | -     |

Emission Sources - Maximum Allowable Emission Rates

|   |   |                 |       |       |
|---|---|-----------------|-------|-------|
| B-5   | Storage Tank B-5 (6.5 MB)                   | VOC             | 2.12  | -     |
| Tank Cap - C  | IFR PBR/SP Annual Tank Cap                  | VOC             | -     | 5.69  |
| <b>Group D – Storage Tanks Controlled by Scrubbers</b>                                |   |                 |       |       |
| V-9307S   | V-9307 Scrubber                             | VOC             | 0.01  | -     |
| V-9308S   | V-9308 Scrubber                             | VOC             | 0.01  | -     |
| V-9409S   | V-9409 Scrubber                             | VOC             | 0.01  | -     |
| V-9410S   | V-9410 Scrubber                             | VOC             | 0.01  | -     |
| Tank Cap - D  | Annual Tank Cap - Group D                   | VOC             | -     | 0.02  |
| FU-D  | Group D Fugitives                           | VOC             | 0.09  | 0.40  |
| <b>Group 3 – Truck/Rail/Drum Loading and Depressurizing - All Spots (No Controls)</b> |   |                 |       |       |
| 3   | Drum Loading                                | VOC             | 12.30 | -     |
| 14  | Tank Truck/Railcar Loading                  | VOC             | 0.64  | -     |
| LR-1  | Tank Truck/Railcar Loading Rack<br>34 spots | VOC             | 43.28 | -     |
| LR-2  | Tank Truck Loading Rack<br>4 spots          | VOC             | 13.52 | -     |
| LR-3  | Tank Truck Loading Rack<br>6 spots          | VOC             | 13.52 | -     |
| LR-4  | Railcar Loading Rack<br>24 spots            | VOC             | 43.28 | -     |
| LR-5  | Tank Truck Loading Rack<br>4 spots          | VOC             | 13.52 | -     |
| Group 3   | Annual Emissions                            | VOC             | -     | 4.21  |
| <b>Group 4 – Barge/Ship Loading - All Docks (No Controls)</b>                         |   |                 |       |       |
| 1   | Ship Dock No. 1 Loading                     | VOC             | 1.81  | -     |
| MT-1  | Ship Dock No. 2 Loading                     | VOC             | 22.72 | -     |
| MT-2  | Ship Dock No. 3 Loading                     | VOC             | 22.72 | -     |
| 2   | Barge Dock No. 1 and                        | VOC             | 0.31  | -     |
| BG-1  | Barge Dock No. 3 Loading                    | VOC             | 56.80 | -     |
| Group 4   | Annual Emissions                            | VOC             | --    | 16.71 |
| <b>Group 5 – Flares Land Based</b>  |   |                 |       |       |
| FL-1  | Truck/Railcar Loading Rack<br>Flare No. 1   | NO <sub>x</sub> | 0.79  | -     |



Emission Sources - Maximum Allowable Emission Rates

|                                 |                                       |                 |       |       |
|---------------------------------|---------------------------------------|-----------------|-------|-------|
|                                 |                                       | CO              | 6.81  | -     |
|                                 |                                       | VOC             | 14.99 | -     |
| FL-2                            | Styrene Storage Tanks Flare           | NO <sub>x</sub> | 0.79  | -     |
|                                 |                                       | CO              | 6.81  | -     |
|                                 |                                       | VOC             | 14.99 | -     |
| FL-3                            | Loading Rack Flare No. 2              | NO <sub>x</sub> | 0.79  | -     |
|                                 |                                       | CO              | 6.81  | -     |
|                                 |                                       | VOC             | 14.99 | -     |
| FL-6                            | Emergency Flare                       | NO <sub>x</sub> | 0.02  | -     |
|                                 |                                       | CO              | 0.04  | -     |
|                                 |                                       | VOC             | 0.18  | -     |
| Group 5                         | Annual Emissions                      | NO <sub>x</sub> | -     | 1.30  |
|                                 |                                       | CO              | -     | 11.12 |
|                                 |                                       | VOC             | -     | 5.30  |
| Group 6 – Flares Marine Loading |                                       |                 |       |       |
| FL-4                            | Marine Loading Flare                  | NOx             | 2.08  | -     |
|                                 |                                       | CO              | 17.92 | -     |
|                                 |                                       | VOC             | 33.25 | -     |
|                                 |                                       | SO <sub>2</sub> |       |       |
| FL-5                            | Marine Flare                          | NOx             | 2.08  | -     |
|                                 |                                       | CO              | 17.92 | -     |
|                                 |                                       | VOC             | 33.25 | -     |
| FL-7                            | Marine Flare                          | NO <sub>x</sub> | 7.13  | -     |
|                                 |                                       | VOC             | 94.00 | -     |
| Group 6                         | Annual Emissions                      | NO <sub>x</sub> | -     | 2.47  |
|                                 |                                       | CO              | -     | 21.11 |
|                                 |                                       | VOC             | -     | 13.12 |
| Group 7 – Steam Boilers         |                                       |                 |       |       |
| BLR-3                           | Cleaver Brooks Steam Boiler<br>600-hp | NO <sub>x</sub> | 3.48  | -     |

Emission Sources - Maximum Allowable Emission Rates

|            |   |                  |       |       |
|------------|---|------------------|-------|-------|
|            |   | CO               | 0.87  | -     |
|            |   | VOC              | 0.07  | -     |
|            |   | PM <sub>10</sub> | 0.15  | -     |
|            |   | SO <sub>2</sub>  | 0.36  | -     |
| BLR-4      | Reliance 3WB350 Steam Boiler<br>350-hp                      | NO <sub>x</sub>  | 2.09  | -     |
|            |   | CO               | 0.52  | -     |
|            |   | VOC              | 0.04  | -     |
|            |   | PM <sub>10</sub> | 0.09  | -     |
|            |   | SO <sub>2</sub>  | 0.21  | -     |
| Group 7    | Annual Emissions  | NO <sub>x</sub>  | -     | 22.26 |
|            |   | CO               | -     | 5.56  |
|            |   | VOC              | -     | 0.44  |
|            |   | PM <sub>10</sub> | -     | 0.99  |
|            |   | SO <sub>2</sub>  | -     | 2.27  |
| BLR-5      | Cleaver Brooks Steam Boiler<br>600-hp                       | NO <sub>x</sub>  | 0.73  | 3.22  |
|            |   | CO               | 2.06  | 9.01  |
|            |   | VOC              | 0.13  | 0.59  |
|            |   | PM <sub>10</sub> | 0.15  | 0.82  |
|            |   | SO <sub>2</sub>  | 0.01  | 0.06  |
| TK-Refill  | Tank Refill Control (6)                                     | NO <sub>x</sub>  | 1.62  | -     |
|            |   | CO               | 13.90 | -     |
|            |   | VOC              | 34.40 | -     |
| IFRLANDING | Legacy West Roof Landings                                   | VOC              | 0.16  | 0.27  |
| DEGAS      | Legacy West Tank Degassing                                  | VOC              | 4.10  | 0.23  |
| B-707F     | Storage Tank B-707F   | VOC              | 1.47  | 1.87  |
| B-708F     | Storage Tank B-708F   | VOC              | 1.47  | 1.87  |
| B-9406S    | B-9406 Acetic Acid Scrubber                                 | VOC              | 0.01  | <0.01 |
| B-9405S    | B-9405 Vinyl Acetate Scrubber                               | VOC              | 0.01  | <0.01 |
| VO-1       | Truck/Railcar/Barge/Ship/Drum/<br>Storage Tanks Loading and | NO <sub>x</sub>  | 10.97 | -     |

Emission Sources - Maximum Allowable Emission Rates

|                      |                          |                   |        |        |
|----------------------|--------------------------|-------------------|--------|--------|
|                      |                          | CO                | 5.43   | -      |
|                      |                          | VOC               | 6.00   | -      |
|                      |                          | PM                | 0.49   | -      |
|                      |                          | PM <sub>10</sub>  | 0.49   | -      |
|                      |                          | PM <sub>2.5</sub> | 0.49   | -      |
|                      |                          | SO <sub>2</sub>   | 0.04   | -      |
| VC-6                 | Vapor Combustor VC-6 (8) | NO <sub>x</sub>   | 13.80  | -      |
|                      |                          | CO                | 18.37  | -      |
|                      |                          | VOC               | 7.21   | -      |
|                      |                          | PM                | < 0.01 | -      |
|                      |                          | PM <sub>10</sub>  | < 0.01 | -      |
|                      |                          | PM <sub>2.5</sub> | < 0.01 | -      |
|                      |                          | SO <sub>2</sub>   | < 0.01 | -      |
| VO-1 and VC-6 Cap    | Annual VO-1 and VC-6 Cap | NO <sub>x</sub>   | -      | 6.59   |
|                      |                          | CO                | -      | 9.12   |
|                      |                          | VOC               | -      | 0.57   |
|                      |                          | PM                | -      | 0.01   |
|                      |                          | PM <sub>10</sub>  | -      | 0.01   |
|                      |                          | PM <sub>2.5</sub> | -      | 0.01   |
|                      |                          | SO <sub>2</sub>   | -      | < 0.01 |
| VC-4                 | Vapor Combustor VC-4     | NO <sub>x</sub>   | 14.89  | 11.92  |
|                      |                          | CO                | 19.83  | 23.63  |
|                      |                          | VOC               | 8.55   | 2.87   |
|                      |                          | PM                | 0.01   | 0.01   |
|                      |                          | PM <sub>10</sub>  | 0.01   | 0.01   |
|                      |                          | PM <sub>2.5</sub> | 0.01   | 0.01   |
|                      |                          | SO <sub>2</sub>   | 0.01   | 0.01   |
| FUG, FUG-M, and FU-1 | Fugitives (5)            | VOC               | 9.95   | 26.87  |

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

Emission Sources - Maximum Allowable Emission Rates

- (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
  - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub>
  - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- 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) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) The annual allowable emission rate for these tanks is a sub-cap which includes routine and roof landing emissions and is itself included in the overall cap of 148.87 tons per year for all tanks. The overall cap also includes roof landing emissions for tanks other than B709-712.
- (7) Short-term storage tank allowable emission rates have been calculated based on gasoline in an internal floating roof.
- (8) Vapor Oxidizer EPN VO-1 and Vapor Combustor EPN VC-6 shall not operate simultaneously.

Date: February 12, 2021