

## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

Flexible Permit Numbers 2167 and PSDTX985

This table lists the maximum allowable emission caps and individual emission limitations for all sources of air contaminants on the applicant's property covered by this permit. The emissions 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.

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### EMISSION CAPS

| Air Contaminant Name (3) | Emission Rates* |         |
|--------------------------|-----------------|---------|
|                          | lb/hr           | TPY**   |
| NO <sub>x</sub>          | 474.14          | 1743.86 |
| CO                       | 1273.71         | 2457.74 |
| SO <sub>2</sub>          | 1461.97         | 2158.63 |
| PM/PM <sub>10</sub>      | 212.74          | 620.17  |
| VOC                      | 2718.12         | 2583.50 |
| Benzene                  | 138.54          | 39.74   |
| Ammonia                  | 17.89           | 70.60   |
| Hydrogen Sulfide         | 20.75           | 21.62   |
| <u>MSS SUB CAPS</u>      |                 |         |
| NO <sub>x</sub>          | 38.98           | 8.36    |
| CO                       | 35.66           | 5.63    |
| SO <sub>2</sub>          | 51.74           | 8.14    |
| PM                       | 54.08           | 2.09    |
| PM <sub>10</sub>         | 34.55           | 1.25    |
| VOC                      | 918.43          | 38.51   |
| Benzene                  | 115.03          | 5.70    |
| Hydrogen Sulfide         | 0.82            | 0.04    |
| Hydrogen Chloride        | 0.29            | 0.01    |

## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

| Emission Point No. (1)  |                                       | Sources Included in Emission Caps<br>for Identified Air Contaminant (3) |    |                 |    |     |    |                 |                  |
|-------------------------|---------------------------------------|---|----|-----------------|----|-----|----|-----------------|------------------|
|                         |                                       | NO <sub>x</sub>   | CO | SO <sub>2</sub> | PM | VOC | BZ | NH <sub>3</sub> | H <sub>2</sub> S |
| 117TK0071               | Fixed-Roof Tank No. 117TK0071         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0073               | Fixed-Roof Tank No. 117TK0073         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0137               | Fixed-Roof Tank No. 117TK0137         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0138               | Fixed-Roof Tank No. 117TK0138         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0139               | Fixed-Roof Tank No. 117TK0139         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0140               | Fixed-Roof Tank No. 117TK0140         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0759               | Fixed-Roof Tank No. 117TK0759         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0760               | Fixed-Roof Tank No. 117TK0760         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0762               | Fixed-Roof Tank No. 117TK0762         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0763               | Fixed-Roof Tank No. 117TK0763         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0764               | Fixed-Roof Tank No. 117TK0764         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0778               | Fixed-Roof Tank No. 117TK0778         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0779               | Fixed-Roof Tank No. 117TK0779         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0780               | Fixed-Roof Tank No. 117TK0780         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0781               | Fixed-Roof Tank No. 117TK0781         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0782               | Fixed-Roof Tank No. 117TK0782         |   |    |                 |    | x   | x  |                 | x                |
| 117TK0783               | Fixed-Roof Tank No. 117TK0783         |   |    |                 |    | x   | x  |                 | x                |
| 130-LD-TT,<br>130-LD-TC | Tank Truck/Railcar Loading Losses     |   |    |                 |    | x   | x  |                 |                  |
| 130-LD-TT,<br>130-LD-TC | Sulfur Tank Truck Loading             |   |    |                 |    |     |    |                 | x                |
| 133TK0866               | Fixed Roof Tank No. 133TK0866<br>(Hz) |   |    |                 |    | x   | x  |                 | x                |
| 133TK0876               | IFR Tank No. 133TK0876                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0878               | IFR Tank No. 133TK0878                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0879               | IFR Tank No. 133TK0879                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0880               | IFR Tank No. 133TK0880                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0881               | IFR Tank No. 133TK0881                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0882               | IFR Tank No. 133TK0882                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0883               | IFR Tank No. 133TK0883                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0884               | IFR Tank No. 133TK0884                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0885               | EFR Tank No. 133TK0885                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0886               | EFR Tank No. 133TK0886                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0887               | EFR Tank No. 133TK0887                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0890               | EFR Tank No. 133TK0890                |   |    |                 |    | x   | x  |                 | x                |
| 133TK0894               | Fixed-Roof Tank No. 133TK0894         |   |    |                 |    | x   | x  |                 | x                |
| 133TK0896               | Fixed-Roof Tank No. 133TK0896         |   |    |                 |    | x   | x  |                 | x                |
| 133TK0897               | Fixed-Roof Tank No. 133TK0897         |   |    |                 |    | x   | x  |                 | x                |
| 133TK0898               | Fixed-Roof Tank No. 133TK0898         |   |    |                 |    | x   | x  |                 | x                |
| 134TK0011               | EFR Tank No. 134TK0011                |   |    |                 |    | x   | x  |                 | x                |
| 134TK0012               | Fixed-Roof Tank No. 134TK0012         |   |    |                 |    | x   | x  |                 | x                |

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|           |                               |  |  |  |  |   |   |  |   |
|-----------|-------------------------------|--|--|--|--|---|---|--|---|
| 134TK0017 | EFR Tank No. 134TK0017        |  |  |  |  | x | x |  | x |
| 134TK0601 | Fixed-Roof Tank No. 134TK0601 |  |  |  |  | x | x |  | x |
| 134TK0604 | Fixed-Roof Tank No. 134TK0604 |  |  |  |  | x | x |  | x |
| 134TK0609 | Fixed-Roof Tank No. 134TK0609 |  |  |  |  | x | x |  | x |
| 134TK0613 | IFR Tank No. 134TK0613        |  |  |  |  | x | x |  | x |
| 134TK0618 | EFR Tank No. 134TK0618        |  |  |  |  | x | x |  | x |
| 134TK0619 | EFR Tank No. 134TK0619        |  |  |  |  | x | x |  | x |
| 134TK0688 | IFR Tank No. 134TK0688        |  |  |  |  | x | x |  | x |
| 134TK0774 | EFR Tank No. 134TK0774        |  |  |  |  | x | x |  | x |
| 134TK0775 | EFR Tank No. 134TK0775        |  |  |  |  | x | x |  | x |
| 134TK0776 | EFR Tank No. 134TK0776        |  |  |  |  | x | x |  | x |
| 134TK0777 | EFR Tank No. 134TK0777        |  |  |  |  | x | x |  | x |
| 134TK0801 | Fixed-Roof Tank No. 134TK0801 |  |  |  |  | x | x |  | x |
| 134TK0802 | EFR Tank No. 134TK0802        |  |  |  |  | x | x |  | x |
| 134TK0813 | Fixed-Roof Tank No. 134TK0813 |  |  |  |  | x | x |  | x |
| 134TK0814 | Fixed-Roof Tank No. 134TK0814 |  |  |  |  | x | x |  | x |
| 134TK0834 | IFR Tank No. 134TK0834        |  |  |  |  | x | x |  | x |
| 134TK0850 | EFR Tank No. 134TK0850        |  |  |  |  | x | x |  | x |
| 134TK0867 | IFR Tank No. 134TK0867        |  |  |  |  | x | x |  | x |
| 134TK0891 | Fixed-Roof Tank No. 134TK0891 |  |  |  |  | x | x |  | x |
| 134TK0911 | Fixed-Roof Tank No. 134TK0911 |  |  |  |  | x | x |  | x |
| 134TK0912 | Fixed-Roof Tank No. 134TK0912 |  |  |  |  | x | x |  | x |
| 135TK0176 | Fixed-Roof Tank No. 135TK0176 |  |  |  |  | x | x |  | x |
| 135TK0560 | EFR Tank No. 135TK0560        |  |  |  |  | x | x |  | x |
| 135TK0561 | EFR Tank No. 135TK0561        |  |  |  |  | x | x |  | x |
| 135TK0562 | EFR Tank No. 135TK0562        |  |  |  |  | x | x |  | x |
| 135TK0563 | EFR Tank No. 135TK0563        |  |  |  |  | x | x |  | x |
| 135TK0564 | EFR Tank No. 135TK0564        |  |  |  |  | x | x |  | x |
| 135TK0565 | EFR Tank No. 135TK0565        |  |  |  |  | x | x |  | x |
| 135TK0570 | EFR Tank No. 135TK0570        |  |  |  |  | x | x |  | x |
| 135TK0571 | Fixed-Roof Tank No. 135TK0571 |  |  |  |  | x | x |  | x |
| 135TK0572 | Fixed-Roof Tank No. 135TK0572 |  |  |  |  | x | x |  | x |
| 135TK0573 | EFR Tank No. 135TK0573        |  |  |  |  | x | x |  | x |
| 135TK0574 | Fixed-Roof Tank No. 135TK0574 |  |  |  |  | x | x |  | x |
| 135TK0576 | EFR Tank No. 135TK0576        |  |  |  |  | x | x |  | x |
| 135TK0577 | EFR Tank No. 135TK0577        |  |  |  |  | x | x |  | x |
| 135TK0578 | EFR Tank No. 135TK0578        |  |  |  |  | x | x |  | x |
| 135TK0579 | EFR Tank No. 135TK0579        |  |  |  |  | x | x |  | x |
| 135TK0806 | EFR Tank No. 135TK0806        |  |  |  |  | x | x |  | x |
| 135TK0807 | EFR Tank No. 135TK0807        |  |  |  |  | x | x |  | x |
| 135TK0808 | EFR Tank No. 135TK0808        |  |  |  |  | x | x |  | x |
| 135TK0809 | EFR Tank No. 135TK0809        |  |  |  |  | x | x |  | x |
| 135TK0836 | Fixed-Roof Tank No. 135TK0836 |  |  |  |  | x | x |  | x |
| 135TK0839 | Fixed-Roof Tank No. 135TK0839 |  |  |  |  | x | x |  | x |

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|            |                               |  |  |  |  |   |   |  |   |
|------------|-------------------------------|--|--|--|--|---|---|--|---|
| 135TK0841  | Fixed-Roof Tank No. 135TK0841 |  |  |  |  | x | x |  | x |
| 135TK0842  | Fixed-Roof Tank No. 135TK0842 |  |  |  |  | x | x |  | x |
| 135TK0843  | Fixed-Roof Tank No. 135TK0843 |  |  |  |  | x | x |  | x |
| 136TK0030A | IFR Tank No. 136TK0030A       |  |  |  |  | x | x |  | x |
| 136TK0100  | IFR Tank No. 136TK0100        |  |  |  |  | x | x |  | x |
| 136TK0441  | EFR Tank No. 136TK0441        |  |  |  |  | x | x |  | x |
| 136TK0442  | EFR Tank No. 136TK0442        |  |  |  |  | x | x |  | x |
| 136TK0558  | EFR Tank No. 136TK0558        |  |  |  |  | x | x |  | x |
| 136TK0559  | EFR Tank No. 136TK0559        |  |  |  |  | x | x |  | x |
| 136TK0582  | EFR Tank No. 136TK0582        |  |  |  |  | x | x |  | x |
| 136TK0583  | EFR Tank No. 136TK0583        |  |  |  |  | x | x |  | x |
| 136TK0584  | EFR Tank No. 136TK0584        |  |  |  |  | x | x |  | x |
| 136TK0594  | EFR Tank No. 136TK0594        |  |  |  |  | x | x |  | x |
| 136TK0597A | EFR Tank No. 136TK0597A       |  |  |  |  | x | x |  | x |
| 136TK0600  | EFR Tank No. 136TK0600        |  |  |  |  | x | x |  | x |
| 136TK0674  | EFR Tank No. 136TK0674        |  |  |  |  | x | x |  | x |
| 137TK0402  | EFR Tank No. 137TK0402        |  |  |  |  | x | x |  | x |
| 137TK0410  | Fixed-Roof Tank No. 137TK0410 |  |  |  |  | x | x |  | x |
| 137TK0412  | IFR Tank No. 137TK0412        |  |  |  |  | x | x |  | x |
| 137TK0414  | EFR Tank No. 137TK0414        |  |  |  |  | x | x |  | x |
| 137TK0416  | EFR Tank No. 137TK0416        |  |  |  |  | x | x |  | x |
| 137TK0418  | EFR Tank No. 137TK0418        |  |  |  |  | x | x |  | x |
| 137TK0420  | EFR Tank No. 137TK0420        |  |  |  |  | x | x |  | x |
| 137TK0422  | Fixed-Roof Tank No. 137TK0422 |  |  |  |  | x | x |  | x |
| 137TK0423  | EFR Tank No. 137TK0423        |  |  |  |  | x | x |  | x |
| 137TK0424  | EFR Tank No. 137TK0424        |  |  |  |  | x | x |  | x |
| 137TK0425  | EFR Tank No. 137TK0425        |  |  |  |  | x | x |  | x |
| 137TK0445  | Fixed-Roof Tank No. 137TK0445 |  |  |  |  | x | x |  | x |
| 137TK0446  | Fixed-Roof Tank No. 137TK0446 |  |  |  |  | x | x |  | x |
| 137TK0541  | Fixed-Roof Tank No. 137TK0541 |  |  |  |  | x | x |  | x |
| 137TK0543  | Fixed-Roof Tank No. 137TK0543 |  |  |  |  | x | x |  | x |
| 137TK0553  | Fixed-Roof Tank No. 137TK0553 |  |  |  |  | x | x |  | x |
| 137TK0554  | EFR Tank No. 137TK0554        |  |  |  |  | x | x |  | x |
| 137TK0555  | EFR Tank No. 137TK0555        |  |  |  |  | x | x |  | x |
| 137TK0580  | EFR Tank No. 137TK0580        |  |  |  |  | x | x |  | x |
| 137TK0581  | EFR Tank No. 137TK0581        |  |  |  |  | x | x |  | x |
| 137TK0667  | IFR Tank No. 137TK0667        |  |  |  |  | x | x |  | x |
| 137TK0668  | IFR Tank No. 137TK0668        |  |  |  |  | x | x |  | x |
| 137TK0687  | IFR Tank No. 137TK0687        |  |  |  |  | x | x |  | x |
| 137TK0691  | IFR Tank No. 137TK0691        |  |  |  |  | x | x |  | x |
| 137TK0692  | IFR Tank No. 137TK0692        |  |  |  |  | x | x |  | x |
| 137TK0793  | EFR Tank No. 137TK0793        |  |  |  |  | x | x |  | x |
| 137TK0794  | EFR Tank No. 137TK0794        |  |  |  |  | x | x |  | x |
| 137TK0797  | EFR Tank No. 137TK0797        |  |  |  |  | x | x |  | x |

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|           |                               |  |  |  |  |   |   |  |   |
|-----------|-------------------------------|--|--|--|--|---|---|--|---|
| 137TK0798 | EFR Tank No. 137TK0798        |  |  |  |  | x | x |  | x |
| 137TK0799 | EFR Tank No. 137TK0799        |  |  |  |  | x | x |  | x |
| 137TK0800 | EFR Tank No. 137TK0800        |  |  |  |  | x | x |  | x |
| 137TK0803 | EFR Tank No. 137TK0803        |  |  |  |  | x | x |  | x |
| 137TK0804 | EFR Tank No. 137TK0804        |  |  |  |  | x | x |  | x |
| 137TK0805 | EFR Tank No. 137TK0805        |  |  |  |  | x | x |  | x |
| 137TK0815 | IFR Tank No. 137TK0815        |  |  |  |  | x | x |  | x |
| 137TK0816 | IFR Tank No. 137TK0816        |  |  |  |  | x | x |  | x |
| 137TK0821 | IFR Tank No. 137TK0821        |  |  |  |  | x | x |  | x |
| 137TK0822 | IFR Tank No. 137TK0822        |  |  |  |  | x | x |  | x |
| 137TK0861 | IFR Tank No. 137TK0861        |  |  |  |  | x | x |  | x |
| 137TK0865 | IFR Tank No. 137TK0865        |  |  |  |  | x | x |  | x |
| 137TK0873 | IFR Tank No. 137TK0873        |  |  |  |  | x | x |  | x |
| 137TK0874 | IFR Tank No. 137TK0874        |  |  |  |  | x | x |  | x |
| 137TK0875 | IFR Tank No. 137TK0875        |  |  |  |  | x | x |  | x |
| 137TK0920 | IFR Tank No. 137TK0920        |  |  |  |  | x | x |  | x |
| 138TK0001 | Fixed-Roof Tank No. 138TK0001 |  |  |  |  | x | x |  | x |
| 138TK0006 | EFR Tank No. 138TK0006        |  |  |  |  | x | x |  | x |
| 138TK0026 | EFR Tank No. 138TK0026        |  |  |  |  | x | x |  | x |
| 138TK0027 | Fixed-Roof Tank No. 138TK0027 |  |  |  |  | x | x |  | x |
| 138TK0078 | Fixed-Roof Tank No. 138TK0078 |  |  |  |  | x | x |  | x |
| 138TK0091 | Fixed-Roof Tank No. 138TK0091 |  |  |  |  | x | x |  | x |
| 138TK0092 | Fixed-Roof Tank No. 138TK0092 |  |  |  |  | x | x |  | x |
| 138TK0095 | Fixed-Roof Tank No. 138TK0095 |  |  |  |  | x | x |  | x |
| 138TK0096 | Fixed-Roof Tank No. 138TK0096 |  |  |  |  | x | x |  | x |
| 138TK0097 | Fixed-Roof Tank No. 138TK0097 |  |  |  |  | x | x |  | x |
| 138TK0098 | Fixed-Roof Tank No. 138TK0098 |  |  |  |  | x | x |  | x |
| 138TK0099 | Fixed-Roof Tank No. 138TK0099 |  |  |  |  | x | x |  | x |
| 138TK0110 | Fixed-Roof Tank No. 138TK0110 |  |  |  |  | x | x |  | x |
| 138TK0111 | Fixed-Roof Tank No. 138TK0111 |  |  |  |  | x | x |  | x |
| 138TK0112 | Fixed-Roof Tank No. 138TK0112 |  |  |  |  | x | x |  | x |
| 138TK0113 | Fixed-Roof Tank No. 138TK0113 |  |  |  |  | x | x |  | x |
| 138TK0114 | Fixed-Roof Tank No. 138TK0114 |  |  |  |  | x | x |  | x |
| 138TK0115 | Fixed-Roof Tank No. 138TK0115 |  |  |  |  | x | x |  | x |
| 138TK0116 | Fixed-Roof Tank No. 138TK0116 |  |  |  |  | x | x |  | x |
| 138TK0117 | Fixed-Roof Tank No. 138TK0117 |  |  |  |  | x | x |  | x |
| 138TK0118 | Fixed-Roof Tank No. 138TK0118 |  |  |  |  | x | x |  | x |
| 138TK0119 | Fixed-Roof Tank No. 138TK0119 |  |  |  |  | x | x |  | x |
| 138TK0163 | Fixed-Roof Tank No. 138TK0163 |  |  |  |  | x | x |  | x |
| 138TK0164 | Fixed-Roof Tank No. 138TK0164 |  |  |  |  | x | x |  | x |
| 138TK0165 | Fixed-Roof Tank No. 138TK0165 |  |  |  |  | x | x |  | x |
| 138TK0166 | Fixed-Roof Tank No. 138TK0166 |  |  |  |  | x | x |  | x |
| 138TK0167 | Fixed-Roof Tank No. 138TK0167 |  |  |  |  | x | x |  | x |
| 138TK0168 | Fixed-Roof Tank No. 138TK0168 |  |  |  |  | x | x |  | x |

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|           |                               |  |  |  |  |   |   |  |   |
|-----------|-------------------------------|--|--|--|--|---|---|--|---|
| 138TK0169 | Fixed-Roof Tank No. 138TK0169 |  |  |  |  | x | x |  | x |
| 138TK0170 | Fixed-Roof Tank No. 138TK0170 |  |  |  |  | x | x |  | x |
| 138TK0171 | Fixed-Roof Tank No. 138TK0171 |  |  |  |  | x | x |  | x |
| 138TK0172 | Fixed-Roof Tank No. 138TK0172 |  |  |  |  | x | x |  | x |
| 138TK0180 | Fixed-Roof Tank No. 138TK0180 |  |  |  |  | x | x |  | x |
| 138TK0181 | Fixed-Roof Tank No. 138TK0181 |  |  |  |  | x | x |  | x |
| 138TK0182 | Fixed-Roof Tank No. 138TK0182 |  |  |  |  | x | x |  | x |
| 138TK0183 | Fixed-Roof Tank No. 138TK0183 |  |  |  |  | x | x |  | x |
| 138TK0193 | Fixed-Roof Tank No. 138TK0193 |  |  |  |  | x | x |  | x |
| 138TK0194 | Fixed-Roof Tank No. 138TK0194 |  |  |  |  | x | x |  | x |
| 138TK0195 | Fixed-Roof Tank No. 138TK0195 |  |  |  |  | x | x |  | x |
| 138TK0200 | Fixed-Roof Tank No. 138TK0200 |  |  |  |  | x | x |  | x |
| 138TK0201 | Fixed-Roof Tank No. 138TK0201 |  |  |  |  | x | x |  | x |
| 138TK0202 | Fixed-Roof Tank No. 138TK0202 |  |  |  |  | x | x |  | x |
| 138TK0203 | Fixed-Roof Tank No. 138TK0203 |  |  |  |  | x | x |  | x |
| 138TK0204 | Fixed-Roof Tank No. 138TK0204 |  |  |  |  | x | x |  | x |
| 138TK0244 | Fixed-Roof Tank No. 138TK0244 |  |  |  |  | x | x |  | x |
| 138TK0263 | Fixed-Roof Tank No. 138TK0263 |  |  |  |  | x | x |  | x |
| 138TK0264 | Fixed-Roof Tank No. 138TK0264 |  |  |  |  | x | x |  | x |
| 138TK0265 | Fixed-Roof Tank No. 138TK0265 |  |  |  |  | x | x |  | x |
| 138TK0266 | Fixed-Roof Tank No. 138TK0266 |  |  |  |  | x | x |  | x |
| 138TK0267 | Fixed-Roof Tank No. 138TK0267 |  |  |  |  | x | x |  | x |
| 138TK0269 | Fixed-Roof Tank No. 138TK0269 |  |  |  |  | x | x |  | x |
| 138TK0270 | Fixed-Roof Tank No. 138TK0270 |  |  |  |  | x | x |  | x |
| 138TK0271 | Fixed-Roof Tank No. 138TK0271 |  |  |  |  | x | x |  | x |
| 138TK0272 | Fixed-Roof Tank No. 138TK0272 |  |  |  |  | x | x |  | x |
| 138TK0273 | Fixed-Roof Tank No. 138TK0273 |  |  |  |  | x | x |  | x |
| 138TK0274 | Fixed-Roof Tank No. 138TK0274 |  |  |  |  | x | x |  | x |
| 138TK0275 | Fixed-Roof Tank No. 138TK0275 |  |  |  |  | x | x |  | x |
| 138TK0276 | Fixed-Roof Tank No. 138TK0276 |  |  |  |  | x | x |  | x |
| 138TK0282 | Fixed-Roof Tank No. 138TK0282 |  |  |  |  | x | x |  | x |
| 138TK0283 | Fixed-Roof Tank No. 138TK0283 |  |  |  |  | x | x |  | x |
| 138TK0633 | Fixed-Roof Tank No. 138TK0633 |  |  |  |  | x | x |  | x |
| 138TK0649 | Fixed-Roof Tank No. 138TK0649 |  |  |  |  | x | x |  | x |
| 138TK0650 | Fixed-Roof Tank No. 138TK0650 |  |  |  |  | x | x |  | x |
| 138TK0651 | Fixed-Roof Tank No. 138TK0651 |  |  |  |  | x | x |  | x |
| 138TK0652 | Fixed-Roof Tank No. 138TK0652 |  |  |  |  | x | x |  | x |
| 138TK0653 | Fixed-Roof Tank No. 138TK0653 |  |  |  |  | x | x |  | x |
| 138TK0658 | Fixed-Roof Tank No. 138TK0658 |  |  |  |  | x | x |  | x |
| 138TK0659 | Fixed-Roof Tank No. 138TK0659 |  |  |  |  | x | x |  | x |
| 138TK0660 | Fixed-Roof Tank No. 138TK0660 |  |  |  |  | x | x |  | x |
| 138TK0661 | Fixed-Roof Tank No. 138TK0661 |  |  |  |  | x | x |  | x |
| 138TK0662 | Fixed-Roof Tank No. 138TK0662 |  |  |  |  | x | x |  | x |
| 138TK0663 | Fixed-Roof Tank No. 138TK0663 |  |  |  |  | x | x |  | x |

## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

|                                    |                               |   |   |   |   |   |   |   |   |
|------------------------------------|-------------------------------|---|---|---|---|---|---|---|---|
| 138TK0664                          | Fixed-Roof Tank No. 138TK0664 |   |   |   |   | x | x |   | x |
| 138TK0665                          | Fixed-Roof Tank No. 138TK0665 |   |   |   |   | x | x |   | x |
| 138TK0666                          | Fixed-Roof Tank No. 138TK0666 |   |   |   |   | x | x |   | x |
| 138TK0675                          | Fixed-Roof Tank No. 138TK0675 |   |   |   |   | x | x |   | x |
| 138TK0697                          | Fixed-Roof Tank No. 138TK0697 |   |   |   |   | x | x |   | x |
| 138TK0698                          | Fixed-Roof Tank No. 138TK0698 |   |   |   |   | x | x |   | x |
| 138TK0699                          | Fixed-Roof Tank No. 138TK0699 |   |   |   |   | x | x |   | x |
| 138TK0726                          | Fixed-Roof Tank No. 138TK0726 |   |   |   |   | x | x |   | x |
| 138TK0729                          | Fixed-Roof Tank No. 138TK0729 |   |   |   |   | x | x |   | x |
| 138TK0732                          | Fixed-Roof Tank No. 138TK0732 |   |   |   |   | x | x |   | x |
| 138TK0767                          | Fixed-Roof Tank No. 138TK0767 |   |   |   |   | x | x |   | x |
| 138TK0768                          | Fixed-Roof Tank No. 138TK0768 |   |   |   |   | x | x |   | x |
| 138TK0769                          | Fixed-Roof Tank No. 138TK0769 |   |   |   |   | x | x |   | x |
| 138TK0771                          | Fixed-Roof Tank No. 138TK0771 |   |   |   |   | x | x |   | x |
| 138TK0772                          | Fixed-Roof Tank No. 138TK0772 |   |   |   |   | x | x |   | x |
| 138TK0812                          | Fixed-Roof Tank No. 138TK0812 |   |   |   |   | x | x |   | x |
| 138TK0851                          | Fixed-Roof Tank No. 138TK0851 |   |   |   |   | x | x |   | x |
| 138TK0856                          | Fixed-Roof Tank No. 138TK0856 |   |   |   |   | x | x |   | x |
| 138TK0857                          | Fixed-Roof Tank No. 138TK0857 |   |   |   |   | x | x |   | x |
| 138TK0862                          | Fixed-Roof Tank No. 138TK0862 |   |   |   |   | x | x |   | x |
| 138TK0863                          | Fixed-Roof Tank No. 138TK0863 |   |   |   |   | x | x |   | x |
| 138TK0892                          | EFR Tank No. 138TK0892        |   |   |   |   | x | x |   | x |
| 138TK0893                          | EFR Tank No. 138TK0893        |   |   |   |   | x | x |   | x |
| 138TK7601                          | Fixed-Roof Tank No. 138TK7601 |   |   |   |   | x | x |   | x |
| 139-LD-A,<br>139-LD-B,<br>139-LD-C | Marine Loading Losses         |   |   |   |   | x | x |   |   |
| 139-LD-D                           | Sulfur Barge Loading          |   |   |   |   |   |   |   | x |
| 139SP1700A                         | Marine Vapor Combustor        | x | x | x | x | x | x |   |   |
| 233CT3701                          | BRU Cooling Tower             |   |   |   |   | x | x |   |   |
| 338K0001                           | No. 1 Plant Flare             | x | x | x |   | x | x | x | x |
| 338K0002                           | No. 2 Plant Flare             | x | x | x |   | x | x | x | x |
| 338K0005                           | Houston Street Flare          | x | x | x |   | x | x | x | x |
| 338K0007                           | No. 3 Plant Flare             | x | x | x |   | x | x | x | x |
| 338K0008                           | No. 4 Plant Flare             | x | x | x |   | x | x | x | x |
| 343CT3701                          | ARU Cooling Tower             |   |   |   |   | x | x |   |   |
| 430CT3701                          | SRU Cooling Tower (439 TGU)   |   |   |   |   | x | x |   |   |
| 430CT3791                          | SRU Cooling Tower (439 Claus) |   |   |   |   | x | x |   |   |
| 430TK0817                          | IFR Tank No. 430TK0817        |   |   |   |   | x | x |   | x |
| 430TK0860                          | Fixed-Roof Tank No. 430TK0860 |   |   |   |   | x | x |   | x |
| 430TK0870                          | Fixed-Roof Tank No. 430TK0870 |   |   |   |   | x | x |   | x |
| 430TK0871                          | Fixed-Roof Tank No. 430TK0871 |   |   |   |   | x | x |   | x |
| 430TK0872                          | IFR Tank No. 430TK0872        |   |   |   |   | x | x |   | x |
| 430TK4001                          | IFR Tank No. 430TK4001        |   |   |   |   | x | x |   | x |

## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

|           |                                 |   |   |   |   |   |   |   |   |
|-----------|---------------------------------|---|---|---|---|---|---|---|---|
| 430TK4002 | IFR Tank No. 430TK4002          |   |   |   |   | x | x |   | x |
| 432-SEWER | Wastewater Unit Fugitives       |   |   |   |   | x | x |   |   |
| 432TK0005 | API Separator                   |   |   |   |   | x | x |   |   |
| 432TK0008 | GCWDA Lift Station              |   |   |   |   | x | x |   |   |
| 432TK0810 | EFR Tank No. 432TK0810          |   |   |   |   | x | x |   | x |
| 432TK0811 | EFR Tank No. 432TK0811          |   |   |   |   | x | x |   | x |
| 432TK0818 | EFR Tank No. 432TK0818          |   |   |   |   | x | x |   | x |
| 432TK0819 | EFR Tank No. 432TK0819          |   |   |   |   | x | x |   | x |
| 432TK0835 | EFR Tank No. 432TK0835          |   |   |   |   | x | x |   | x |
| 432TK0838 | EFR Tank No. 432TK0838          |   |   |   |   | x | x |   | x |
| 432TK0854 | IFR Tank No. 432TK0854          |   |   |   |   | x | x |   | x |
| 432TK0855 | IFR Tank No. 432TK0855          |   |   |   |   | x | x |   | x |
| 435F1402  | Tail Gas Thermal Oxidizer       | x | x | x | x | x | x |   | x |
| 440F2002  | Tail Gas Thermal Oxidizer       | x | x | x | x | x | x |   | x |
| 533CT3701 | 533 Cooling Tower               |   |   |   |   | x | x |   |   |
| 533F0001  | 533 Atmospheric Tower Heater    | x | x | x | x | x | x |   |   |
| 533F0002  | 533 Vacuum Tower Heater         | x | x | x | x | x | x |   |   |
| 534F0005  | Depentanizer Tower Heater       | x | x | x | x | x | x |   |   |
| 536CT3701 | 536 Cooling Tower               |   |   |   |   | x | x |   |   |
| 536F0001A | Atmospheric Tower Heater        | x | x | x | x | x | x |   |   |
| 536F0001B | Atmospheric Tower Heater        | x | x | x | x | x | x |   |   |
| 536F0002  | Vacuum Tower Heater             | x | x | x | x | x | x | x |   |
| 537CT3701 | 537 Cooling Tower               |   |   |   |   | x | x |   |   |
| 537F0001  | Crude Heater No. 1              | x | x | x | x | x | x | x |   |
| 537F0002  | Vacuum Heater No. 1             | x | x | x | x | x | x | x |   |
| 630F0001  | SR Heater                       | x | x | x | x | x | x |   |   |
| 631F0002  | LCO Feed Heater                 | x | x | x | x | x | x |   |   |
| 632F0001  | 632 Reactor Feed Heater         | x | x | x | x | x | x |   |   |
| 632F0002  | 632 LEF Reboiler                | x | x | x | x | x | x |   |   |
| 633F0001  | 633 Fractionator Reboiler       | x | x | x | x | x | x |   |   |
| 633F0002  | 633 Reactor Feed Heater         | x | x | x | x | x | x |   |   |
| 634F0001  | 634 Reactor Feed Heater         | x | x | x | x | x | x |   |   |
| 635CT3701 | 635 Cooling Tower               |   |   |   |   | x | x |   |   |
| 635F0001  | 635 Reactor Feed Heater         | x | x | x | x | x | x |   |   |
| 635TK0110 | Fixed-Roof Tank No. 635TK0110   |   |   |   |   | x | x |   | x |
| 636F0001  | 636 Reactor Feed Heater         | x | x | x | x | x | x |   |   |
| 636F0002  | 636 Fractionator Feed Heater    | x | x | x | x | x | x |   |   |
| 637CT3701 | 637 Cooling Tower               |   |   |   |   | x | x |   |   |
| 637F0001  | 637 Reactor Feed Heater         | x | x | x | x | x | x |   |   |
| 732B0002  | FCCU CO Boiler Wet Gas Scrubber | x | x | x | x | x | x | x |   |
| 732CT3701 | 732 Cooling Tower               |   |   |   |   | x | x |   |   |
| 732F0001  | 732 East Heater                 | x | x | x | x | x | x |   |   |
| 732F0001A | 732 West Heater                 | x | x | x | x | x | x |   |   |



## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

|                 |                                   |   |   |   |   |   |   |   |   |
|-----------------|-----------------------------------|---|---|---|---|---|---|---|---|
| 733F0005        | Heater B5 - 733 LEF Reboiler      | x | x | x | x | x | x |   |   |
| 733F0007        | 733 REF Fractionator Reboiler     | x | x | x | x | x | x |   |   |
| 734F0101        | Btu-Depent Heater                 | x | x | x | x | x | x |   |   |
| 734F0102        | HDS Reactor Heater                | x | x | x | x | x | x |   |   |
| 734F0107        | Btu-Reformate Stabilizer Reboiler | x | x | x | x | x | x |   |   |
| 734F0108        | Btu-Reformate Splitter Reboiler   | x | x | x | x | x | x |   |   |
| 734F0111        | Btu-Extract Stripper Reboiler     | x | x | x | x | x | x |   |   |
| 734TK0671       | Fixed-Roof Tank No. 734TK0671     |   |   |   |   | x | x |   | x |
| 734TK0672       | IFR Tank No. 734TK0672            |   |   |   |   | x | x |   | x |
| 734TK0673       | IFR Tank No. 734TK0673            |   |   |   |   | x | x |   | x |
| 735F0001A,<br>B | 735 Unifiner Heater               | x | x | x | x | x | x |   |   |
| 735F0002A       | 735 No. 1 Reactor Heater(A)       | x | x | x | x | x | x |   |   |
| 735F0003A       | 735 No. 2 Reactor Heater(A)       | x | x | x | x | x | x |   |   |
| 735F0003B       | 735 No. 2 Reactor Heater(B)       | x | x | x | x | x | x |   |   |
| 735F0003C       | 735 No. 2 Reactor Heater(C)       | x | x | x | x | x | x |   |   |
| 735F0003D       | 735 No. 2 Reactor Heater(D)       | x | x | x | x | x | x |   |   |
| 735F0004A       | 735 No. 3 Reactor Heater(A)       | x | x | x | x | x | x |   |   |
| 735F0004B       | 735 No. 3 Reactor Heater(B)       | x | x | x | x | x | x |   |   |
| 735F0004C       | 735 No. 3 Reactor Heater(C)       | x | x | x | x | x | x |   |   |
| 735F0004D       | 735 No. 3 Reactor Heater(D)       | x | x | x | x | x | x |   |   |
| 735F0004E       | 735 No. 3 Reactor Heater(E)       | x | x | x | x | x | x |   |   |
| 735F0004F       | 735 No. 3 Reactor Heater(F)       | x | x | x | x | x | x |   |   |
| 735F0005A,<br>B | 735 No. 4 Reactor Heater          | x | x | x | x | x | x |   |   |
| 735F0006A,<br>B | 735 Unifiner Stripper Reboiler    | x | x | x | x | x | x |   |   |
| 735F0007A,<br>B | 735 Stabilizer Heater             | x | x | x | x | x | x |   |   |
| 735F0008A,<br>B | 735 Naphtha Feed Heater           | x | x | x | x | x | x |   |   |
| 735F0009        | Naphtha Fractionator Reboiler     | x | x | x | x | x | x |   |   |
| 735F0010        | 735 Reactor Charge Heater         | x | x | x | x | x | x |   |   |
| 736CT3701       | Coker Cooling Tower (736)         |   |   |   |   | x | x |   |   |
| 736F0101A       | 736 Coker East Heater H-101A      | x | x | x | x | x | x | x |   |
| 736F0101B       | 736 Coker West Heater H-101B      | x | x | x | x | x | x | x |   |
| 736K0101A       | 736 Coker Flare                   | x | x |   |   | x | x | x | x |
| 736-LD-COK      | 736 Railcar Coke Loading          |   |   |   | x |   |   |   |   |
| 737-COK-PIT     | Coke Pit                          |   |   |   | x |   |   |   |   |
| 737CT3701       | Coker Cooling Tower (737)         |   |   |   |   | x | x |   |   |
| 737F0001        | 737 Heater F001                   | x | x | x | x | x | x | x |   |
| 737F0002        | 737 Heater F002                   | x | x | x | x | x | x | x |   |
| 737-LD-COK      | 737 Railcar Coke Loading          |   |   |   | x |   |   |   |   |
| 831F0201        | 831 Reactor Feed Heater           | x | x | x | x | x | x |   |   |

## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

|           |                                     |   |   |   |   |   |   |   |   |
|-----------|-------------------------------------|---|---|---|---|---|---|---|---|
| 833F0001  | 833 1st Stage Heater                | x | x | x | x | x | x |   |   |
| 833F0002  | 833 2nd Stage Heater                | x | x | x | x | x | x |   |   |
| 833TK0654 | Fixed-Roof Tank No. 833TK0654       |   |   |   |   | x | x |   | x |
| 833TK0655 | Fixed-Roof Tank No. 833TK0655       |   |   |   |   | x | x |   | x |
| 833TK0656 | Fixed-Roof Tank No. 833TK0656       |   |   |   |   | x | x |   | x |
| 833TK0657 | Fixed-Roof Tank No. 833TK0657       |   |   |   |   | x | x |   | x |
| 930F0001  | Heartcut Fractionator Heater        | x | x | x | x | x | x |   |   |
| 930TK0784 | Fixed-Roof Tank No. 930TK0784       |   |   |   |   | x | x |   | x |
| 930TK0786 | Fixed-Roof Tank No. 930TK0786       |   |   |   |   | x | x |   | x |
| 930TK0787 | Fixed-Roof Tank No. 930TK0787       |   |   |   |   | x | x |   | x |
| 930TK0788 | Fixed-Roof Tank No. 930TK0788       |   |   |   |   | x | x |   | x |
| 930TK0789 | Fixed-Roof Tank No. 930TK0789       |   |   |   |   | x | x |   | x |
| 930TK0791 | EFR Tank No. 930TK0791              |   |   |   |   | x | x |   | x |
| 932F0001  | Isom II West Reactor Feed Heater    | x | x | x | x | x | x |   |   |
| 932F0002  | Isom II Combination Splitter Heater | x | x | x | x | x | x |   |   |
| 932F0005  | Isom II East Reactor Feed Heater    | x | x | x | x | x | x |   |   |
| 933F0001  | Orthoxylene I Heater                | x | x | x | x | x | x |   |   |
| 933TK0689 | IFR Tank No. 933TK0689              |   |   |   |   | x | x |   | x |
| 933TK0690 | IFR Tank No. 933TK0690              |   |   |   |   | x | x |   | x |
| 934F0002  | Orthoxylene II Heater               | x | x | x | x | x | x | x |   |
| 934F0003  | Isom II Xylene Rerun Tower Heater   | x | x | x | x | x | x |   |   |
| 934TK0685 | IFR Tank No. 934TK0685              |   |   |   |   | x | x |   | x |
| 934TK0686 | IFR Tank No. 934TK0686              |   |   |   |   | x | x |   | x |
| 935TK0790 | EFR Tank No. 935TK0790              |   |   |   |   | x | x |   | x |
| 935TK0792 | Fixed-Roof Tank No. 935TK0792       |   |   |   |   | x | x |   | x |
| 939TK0693 | IFR Tank No. 939TK0693              |   |   |   |   | x | x |   | x |
| 939TK0694 | IFR Tank No. 939TK0694              |   |   |   |   | x | x |   | x |
| 940TK0669 | IFR Tank No. 940TK0669              |   |   |   |   | x | x |   | x |
| 940TK0670 | IFR Tank No. 940TK0670              |   |   |   |   | x | x |   | x |
| 940TK0795 | EFR Tank No. 940TK0795              |   |   |   |   | x | x |   | x |
| 940TK0796 | EFR Tank No. 940TK0796              |   |   |   |   | x | x |   | x |
| FUGITIVES | Process Fugitives (4)               |   |   |   |   | x | x | x | x |
| P-FL-5    | No. 5 Plant Flare                   | x | x | x |   | x | x | x | x |

## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

## SOURCES NOT INCLUDED IN EMISSION CAPS - INDIVIDUAL EMISSION LIMITATIONS

## AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2)                                  | Air Contaminant Name (3)       | Emission Rates* |        |
|------------------------|--|--------------------------------|-----------------|--------|
|                        |  |                                | lb/hr           | TPY**  |
| 430D3702               | Sulfuric Acid Storage Tank                       | H <sub>2</sub> SO <sub>4</sub> | <0.001          | <0.001 |
| 736D3703               | Sulfuric Acid Storage Tank                       | H <sub>2</sub> SO <sub>4</sub> | <0.001          | <0.001 |
| 430-UNIT               | Sulfur Plant Fugitives (4)                       | COS                            | <0.01           | <0.01  |
| 430-UNIT               | Sulfur Plant Fugitives (4)<br>Unit Fugitives (4) | CS <sub>2</sub>                | <0.01           | <0.01  |
| 732B0002               | FCCU CO Boiler<br>Wet Gas Scrubber               | Antimony                       | 0.02            | 0.10   |

- (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) NO<sub>x</sub> - nitrogen oxides  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
H<sub>2</sub>SO<sub>4</sub>- sulfuric acid  
COS - carbon sulfide  
CS<sub>2</sub> - carbon disulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) H<sub>2</sub>S emissions from crude oil are an estimate only and should not be considered as a maximum allowable emission rate. However, at no time shall the emissions cause a nuisance condition.

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

8,760 Hrs/year

EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

- \*\* Compliance with annual emission caps and annual individual emission limitations is based on a rolling 12-month period. Compliance with emission caps during calendar years in which the cap changes shall be determined accordingly.

Dated