

**APPENDIX A**

**STATIONARY POINT SOURCES SULFUR DIOXIDE (SO<sub>2</sub>)  
EMISSIONS**

Hutchinson County Attainment Demonstration State  
Implementation Plan for the 2010 One-Hour Sulfur Dioxide  
National Ambient Air Quality Standard

2021-011-SIP-NR

**Appendix A: Hutchinson County Point Sources Sulfur Dioxide (SO<sub>2</sub>) Emissions**  
**Hutchinson County 2010 SO<sub>2</sub> Nonattainment Area Point Source Annual (Routine) SO<sub>2</sub> Emissions in Tons Per Year (tpy) by Emission Point Number (EPN)**

| Regulated Entity Reference Number | Air Account | Company                              | Site                       | EPN      | Emission Point Name            | 2017 Routine SO <sub>2</sub> Emissions in tpy | 2018 Routine SO <sub>2</sub> Emissions in tpy | 2019 Routine SO <sub>2</sub> Emissions in tpy | 2020 Routine SO <sub>2</sub> Emissions in tpy | Average of 2017-2020 Routine SO <sub>2</sub> Emissions in tpy | Projected 2026 Attainment Year SO <sub>2</sub> Emissions in tpy | Data Used to Determine 2026 SO <sub>2</sub> Emissions                               |
|-----------------------------------|-------------|--------------------------------------|----------------------------|----------|--------------------------------|---|---|---|---|---|---|---|
| RN101865715                       | HW0004D     | AGRIUM US INC                        | BORGER NITROGEN OPERATIONS | 2        | REFRM. STACK                   | 0.4622  | 0.7288  | 0.7146  | 0.7747  | 0.6701  | 0.6701  | Average 2017-2020 reported point source emissions                                   |
| RN101865715                       | HW0004D     | AGRIUM US INC                        | BORGER NITROGEN OPERATIONS | E-1      | NH3 EMERGENCY GENERATOR        |   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN101865715                       | HW0004D     | AGRIUM US INC                        | BORGER NITROGEN OPERATIONS | E-2      | UREA EMERGENCY GENERATOR       |   | 0   | 0.0001  | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN101865715                       | HW0004D     | AGRIUM US INC                        | BORGER NITROGEN OPERATIONS | FL-1     | NH3 PLT EMERGENCY FLARE STACK  | 0.0334  | 0.0334  | 0.0014  | 0.0014  | 0.0174  | 0.0174  | Average 2017-2020 reported point source emissions                                   |
| RN101865715                       | HW0004D     | AGRIUM US INC                        | BORGER NITROGEN OPERATIONS | FL-2     | UREA PLANT FLARE               | 0.048   | 0.048   | 0.0025  | 0.003   | 0.0254  | 0.0254  | Average 2017-2020 reported point source emissions                                   |
| RN101865715                       | HW0004D     | AGRIUM US INC                        | BORGER NITROGEN OPERATIONS | H-5      | START-UP HTR. STK. ""102B""    | 0.0011  | 0.0034  | 0.0056  | 0.0025  | 0.0032  | 0.0032  | Average 2017-2020 reported point source emissions                                   |
| RN101865715                       | HW0004D     | AGRIUM US INC                        | BORGER NITROGEN OPERATIONS | PKGB     | HEAT, STEAM, & POWER           | 0.1859  | 0.1592  | 0.1786  | 0.2089  | 0.1832  | 0.1832  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-100H   | MAIN FEEDSTOCK PREHEATER       | 0.0012  | 0.0012  | 0.0012  | 0.0012  | 0.0012  | 0.0012  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-101H   | SECONDARY PREHEATER            | 0.001   | 0.001   | 0.0012  | 0.0012  | 0.0011  | 0.0011  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-10D    | UNIT # 1 DRYERS                | 0.025   | 0.0254  | 0.0233  | 0.0151  | 0.0222  | 0.0222  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-10DF   | UNIT # 1 DRYER FILTER          | 0.002   | 0.0016  | 0.0016  | 0.0012  | 0.0016  | 0.0016  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-10FL   | B1 FLARE                       | 761.417                                       | 535.8808                                      | 135.5021                                      | 190.3946                                      | 405.7986  | 0   | 30 Texas Administrative Code Chapter 112 limit-ceases operation upon effective date |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-20FL   | B2 FLARE                       | 823.765                                       | 449.3738                                      | 126.0116                                      | 168.4242                                      | 391.8937  | 0   | 30 Texas Administrative Code Chapter 112 limit-ceases operation upon effective date |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-40FL   | B4 FLARE                       | 886.636                                       | 430.6647                                      | 136.8911                                      | 145.5236                                      | 399.9289  | 0   | 30 Texas Administrative Code Chapter 112 limit-ceases operation upon effective date |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | CFL      | Combined Flare (New)           |   |   |   |   |   | cap   | Annual Permit Limit Cap (listed at EPN E-6BN)                                       |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-6B     | WASTE HEAT BOILER              | 1226.777                                      | 2090.2508                                     | 3197.8926                                     | 2101.226                                      | 2154.0366   | 0   | Permit Action-cease operation by June 2023  |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-6BN    | WASTE HEAT BOILER WITH CDS     |   |   |   |   |   | 475   | Annual Permit Limit Cap   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-11D    | UNIT # 1 DRYERS                | 0.25  | 0.0254  | 0.0233  | 0.0151  | 0.0785  | 0.0785  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-11DF   | UNIT # 1 DRYER FILTER          | 0.002   | 0.0016  | 0.0016  | 0.0012  | 0.0016  | 0.0016  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-20D    | UNIT # 2 DRYERS                | 0.024   | 0.024   | 0.0219  | 0.0171  | 0.0218  | 0.0218  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-20DF   | UNIT #2 DRYER FILTER           | 0.002   | 0.0015  | 0.0015  | 0.0013  | 0.0016  | 0.0016  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-20P    | UNIT # 2 BAGFILTER             | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-21D    | UNIT # 2 DRYERS                | 0.024   | 0.024   | 0.0219  | 0.0171  | 0.0218  | 0.0218  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-21DF   | UNIT #2 DRYER FILTER           | 0.002   | 0.0015  | 0.0015  | 0.0013  | 0.0016  | 0.0016  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-21P    | UNIT # 2 BAGFILTER             | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-40D    | UNIT # 4 DRYERS                | 0.021   | 0.022   | 0.0219  | 0.012   | 0.0192  | 0.0192  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-40P    | UNIT # 4 BAGFILTER             | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-41D    | UNIT # 4 DRYERS                | 0.021   | 0.022   | 0.0219  | 0.012   | 0.0192  | 0.0192  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-41DF   | B4 WEST DRYER BAG FILTER STACK | 0.001   | 0.0014  | 0.0015  | 0.0009  | 0.0012  | 0.0012  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-41P    | UNIT # 4 BAGFILTER             | 0.001   | 0.0014  | 0.0015  | 0.0009  | 0.0012  | 0.0012  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-50R    | THERMAL UNIT 1                 | 1.782   | 1.5007  | 2.2465  | 1.2497  | 1.6947  | 1.6947  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-51R    | THERMAL UNIT NO. 1             | 1.782   | 1.5007  | 2.2465  | 1.2497  | 1.6947  | 1.6947  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-53P    | TPE BAGFILTER                  | 3.55  | 2.9797  | 4.4605  | 2.4813  | 3.3679  | 3.3679  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | E-5B     | THERMAL BOILER                 | 0   | 0   | 0.0129  | 0   | 0.0032  | 0.0032  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | FURN-FUG | UNIT # 1 REACTOR               | 0.003   | 0.0031  | 0.0031  | 0.0024  | 0.0029  | 0.0029  | Average 2017-2020 reported point source emissions                                   |
| RN100209659                       | HW0008S     | ORION ENGINEERED CARBONS LLC         | BORGER CARBON BLACK PLANT  | P-60P    | FD FAN VENT STACK              | 0   | 0   | 0.0004  | 0   | 0.0001  | 0.0001  | Average 2017-2020 reported point source emissions                                   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT               | F-G-SB2  | SANDBLAST YARD FUGITIVES       | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |

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**Hutchinson County 2010 SO<sub>2</sub> Nonattainment Area Point Source Annual (Routine) SO<sub>2</sub> Emissions in Tons Per Year (tpy) by Emission Point Number (EPN)**

| Regulated Entity Reference Number | Air Account | Company                              | Site                    | EPN       | Emission Point Name                          | 2017 Routine SO <sub>2</sub> Emissions in tpy | 2018 Routine SO <sub>2</sub> Emissions in tpy | 2019 Routine SO <sub>2</sub> Emissions in tpy | 2020 Routine SO <sub>2</sub> Emissions in tpy | Average of 2017-2020 Routine SO <sub>2</sub> Emissions in tpy | Projected 2026 Attainment Year SO <sub>2</sub> Emissions in tpy | Data Used to Determine 2026 SO <sub>2</sub> Emissions   |
|-----------------------------------|-------------|--------------------------------------|-------------------------|-----------|--|---|---|---|---|---|---|---|
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | FL-1      | H2S FLARE-NORTH FLARE                        | 485.9455                                      | 446.1825                                      | 402.055                                       | 341.2415                                      | 418.8561  | 418.8561  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | FL-2      | HYDROCARBON FLARE-SOUTH FLARE                | 20.8522                                       | 4.2917  | 8.4879  | 19.962  | 13.3985   | 13.3985   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | F-M2      | FUGITIVES                                    | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | F-M2A     | SULFOLENE BAGGER EMISSIONS                   | 10.88   | 10.88   | 10.88   | 10.88   | 10.88   | 8.67  | 30 Texas Administrative Code Chapter 112 limit of 1.98 lb/hr. In the proposed rule, EPN F-M2A is comprised of EPN F-M2A_1 with a limit of 1 lb/hr and EPN F-M2A_2 with a limit of 0.98 lb/hr. |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | F-M2A MSS | F-M2A-MSS                                    | 0.003   | 0.003   | 0.003   | 0.003   | 0.003   | 0.003   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | F-SP4     | PLANT WIDE FUGITIVES                         | 1.8626  | 0.05  | 0.05  | 0.0501  | 0.5032  | 0.5032  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | FWW10     | WW PACE'S PIT                                | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | G-PBIA    | CYLINDER PAINT BOOTH STACK                   | 0.0025  | 0.0019  | 0.0045  | 0.0044  | 0.0033  | 0.0033  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | G-PBIB    | PAINT BOOTH AIR COMPRESSOR                   | 0.0001  | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | G-SB2A    | SANDBLAST COMPRESSOR STACK                   | 0.0139  | 0.0294  | 0.0401  | 0.0228  | 0.0266  | 0.0266  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | H-1       | MPU DUTCH OVEN                               | 0.0006  | 0.0008  | 0.001   | 0.0007  | 0.0008  | 0.0008  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | H-2       | CPU DUTCH OVEN                               | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | H-3       | CPUE. DOWTHERM FURNACE                       | 0.0544  | 0.0471  | 0.0413  | 0.0333  | 0.044   | 0.044   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | ICE-01    | MAINT COMP PAINT EMISSIONS                   | 0.0194  | 0.0171  | 0.0246  | 0.0145  | 0.0189  | 0.0189  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | ICE-02    | MAINT. COMPRESSOR EMISSIONS AND SANDBLAST PM | 0.0008  | 0.0008  | 0.0053  | 0.0047  | 0.0029  | 0.0029  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | ICE-03    | EAST FIRE WATER ENGINE                       | 0.0098  | 0.0195  | 0.0032  | 0.0193  | 0.013   | 0.013   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | ICE-04    | WEST FIRE WATER PUMP                         | 0.02  | 0.0376  | 0.0045  | 0.0132  | 0.0188  | 0.0188  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | ICE-05    | EAST TEST ENGINE - RON                       | 0.0006  | 0.0008  | 0.0006  | 0.0004  | 0.0006  | 0.0006  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | ICE-06    | WEST TEST ENGINE - MON                       | 0.0006  | 0.0007  | 0.0005  | 0.0004  | 0.0006  | 0.0006  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | M2A       | FLAKER VENT                                  | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | M2A1      | MPU REGENERATIVE THERMAL OXIDIZER            | 0.001   | 0.001   | 0.001   | 0.0012  | 0.0011  | 0.0011  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | M2A1 MSS  | SULFOLENE FLAKER SCRUBBER RTO MSS            | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | SP5C      | COMBUSTER EMISSIONS                          | 0.002   | 0.002   | 0.0025  | 0.0028  | 0.0023  | 0.0023  | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | TB-13     | STORAGE TANK                                 | 10.43   | 0.01  | 0.0113  | 0.01  | 2.6153  | 0.01  | Annual Permit Limit   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | TB-32     | STORAGE TANK                                 | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | TB-33     | STORAGE TANK                                 | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | TH-20     | STORAGE TANK                                 | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | TI-02     | STORAGE TANK                                 | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | TI-08     | STORAGE TANK                                 | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN102320850                       | HW0013C     | CHEVRON PHILLIPS CHEMICAL COMPANY LP | BORGER PLANT            | TJ-20     | STORAGE TANK                                 | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD                  | BORGER CARBON BLACK PLT | 1         | #1 #2 DRYER, E. PURGE FR.                    | 8.425   | 7.0139  | 6.4761  | 5.4019  | 6.8292  | 0   | 30 Texas Administrative Code Chapter 112 limit-ceases operation upon effective date   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD                  | BORGER CARBON BLACK PLT | 119       | BOILERS 1 & 2 STACK                          | 5066.2497                                     | 4225.4477                                     | 3680.8434                                     | 3323.5268                                     | 4074.0169   | 5014.25   | Annual Permit Limit Cap   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD                  | BORGER CARBON BLACK PLT | 121       | PLANT 1, DRYER FIREBOX STACK                 | 755.29  | 660.9223                                      | 610.2458                                      | 660.7732                                      | 671.8078  | cap   | Annual Permit Limit Cap (listed at EPN 119)   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD                  | BORGER CARBON BLACK PLT | 122       | PLANT 2, DRYER FIREBOX STACK                 | 1112.6343                                     | 892.1847                                      | 745.6248                                      | 557.8725                                      | 827.0791  | cap   | Annual Permit Limit Cap (listed at EPN 119)   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD                  | BORGER CARBON BLACK PLT | FLARE-1   | U1-PBF FLARE                                 | 0   | 0   | 0   | 0   | 0   | cap if operational  | Annual Permit Limit Cap (listed at EPN 119)   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD                  | BORGER CARBON BLACK PLT | FLARE-2   | U2 PBF FLARE                                 | 0   | 0   | 0   | 0   | 0   | 0   | 30 Texas Administrative Code Chapter 112 limit-ceases operation upon effective date   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD                  | BORGER CARBON BLACK PLT | FLARE-3   | U3 PBF FLARE                                 | 0   | 0   | 0   | 0   | 0   | 0   | 30 Texas Administrative Code Chapter 112 limit-ceases operation upon effective date   |

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| Regulated Entity Reference Number | Air Account | Company             | Site                    | EPN       | Emission Point Name       | 2017 Routine SO <sub>2</sub> Emissions in tpy | 2018 Routine SO <sub>2</sub> Emissions in tpy | 2019 Routine SO <sub>2</sub> Emissions in tpy | 2020 Routine SO <sub>2</sub> Emissions in tpy | Average of 2017-2020 Routine SO <sub>2</sub> Emissions in tpy | Projected 2026 Attainment Year SO <sub>2</sub> Emissions in tpy | Data Used to Determine 2026 SO <sub>2</sub> Emissions                               |
|-----------------------------------|-------------|---------------------|-------------------------|-----------|---------------------------|---|---|---|---|---|---|---|
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD | BORGER CARBON BLACK PLT | FLARE-4   | U4 PBF FLARE              | 0   | 0   | 0   | 0   | 0   | 0   | 30 Texas Administrative Code Chapter 112 limit-ceases operation upon effective date |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD | BORGER CARBON BLACK PLT | NEW-FLARE | Combined Flare (New)      |   |   |   |   |   | cap if operational  | Annual Permit Limit Cap (listed at EPN 119)   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD | BORGER CARBON BLACK PLT | 15        | PREHEATER STACK, PLT. 1   | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD | BORGER CARBON BLACK PLT | 19        | PREHEATER STACK, PLT. 1   | 0   |   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD | BORGER CARBON BLACK PLT | 21        | PREHEATER STACK, PLT. 1   | 0.0061  | 0.0061  | 0.0061  | 0.0061  | 0.0061  | 0.0061  | Average 2017-2020 reported point source emissions                                   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD | BORGER CARBON BLACK PLT | 3         | #3 #4 DRYER, W. PURGE FR. | 6.9891  | 6.4743  | 5.9779  | 8.0833  | 6.8812  | 0   | 30 Texas Administrative Code Chapter 112 limit-ceases operation upon effective date |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD | BORGER CARBON BLACK PLT | 80        | #1 #2 DRYER STACK, PLT. 2 |   |   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD | BORGER CARBON BLACK PLT | 81        | #3 #4 DRYER STACK, PLT. 2 |   |   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD | BORGER CARBON BLACK PLT | 82        | #5 #6 DRYER STACK, PLT. 2 |   |   | 0   |   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN100222413                       | HW0017R     | TOKAI CARBON CB LTD | BORGER CARBON BLACK PLT | HEATERSTK | GLYCOL HEATER STACK       |   |   | 0   |   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 10H1      | CRUDE OIL HEATER          | 0.0164  | 0.0163  | 0.0198  | 2.2091  | 0.5654  | 0.5654  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 11H1      | ETHANE UNIT SUPERHEATER   | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 12E1      | ENGINE                    | 0.0127  | 0.0101  | 0.0106  | 2.5597  | 0.6483  | 0.6483  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 12E2      | ENGINE                    | 0.0127  | 0.0101  | 0.0106  | 2.1402  | 0.5434  | 0.5434  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 12E3      | ENGINE                    | 0.0127  | 0.0101  | 0.0106  | 1.1355  | 0.2922  | 0.2922  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 12E4      | ENGINE                    | 0.0127  | 0.0101  | 0.0106  | 0   | 0.0084  | 0.0084  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 12E5      | ENGINE                    | 0.0127  | 0.0101  | 0.0106  | 2.1576  | 0.5478  | 0.5478  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 12E6      | ENGINE                    | 0.0094  | 0.0075  | 0.0078  |   | 0.0082  | 0.0082  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 12E7      | ENGINE                    | 0.0094  | 0.0075  | 0.0078  |   | 0.0082  | 0.0082  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 12H1      | MOL SIEVE REGEN GAS HTR   | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 19B1/18H2 | 19.1 #2 REHEATER          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 19B1/19H1 | 19-2 FEED HEATER          | 0.001   | 0.001   | 0.002   | 2.8358  | 0.71  | 0.71  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 19B1/19H2 | 19.1 #2 REHEATER          | 0.0037  | 0.0032  | 0.0076  | 1.004   | 0.2546  | 0.2546  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 19B2/19H4 | 19.3 DIST HDS CHG HTR     | 0.0315  | 0.0401  | 0.0843  | 1.923   | 0.5197  | 0.5197  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 19H3      | 19.1 NAPHTHA HDS CHG HTR  | 1.0672  | 1.2311  | 0.7041  | 2.0049  | 1.2518  | 1.2518  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 19H5      | 19.1 #1 REBOILER FURNACE  | 0.0213  | 0.0155  | 0.036   | 0.0088  | 0.0204  | 0.0204  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 19H6      | 19.2 PLATFORMER REHEATER  | 0.247   | 0.2278  | 0.1673  | 1.1294  | 0.4429  | 0.4429  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 22H1      | ALKY REBOILER FURNACE     | 0.2621  | 0.2397  | 0.2078  | 0.3653  | 0.2687  | 0.2687  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 26H1      | UNIT 26 DECA REBOILER     | 0.087   | 0.097   | 0.1046  | 2.1433  | 0.608   | 0.608   | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 28H1      | UNIT 28 CHARGE HEATER     | 3.4157  | 2.6397  | 3.2097  | 3.4279  | 3.1733  | 3.1733  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 29H4      | UNIT 29 DECA REBOILER     | 0.0049  | 0.0042  | 0.0147  | 0.0014  | 0.0063  | 0.0063  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 29P1      | FCCU STACK                | 15.0764                                       | 11.5866                                       | 12.3038                                       | 14.9776                                       | 13.4861   | 13.4861   | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 2H1       | UNIT 2-2 HDS CHARGE HTR   | 0.0037  | 0.0039  | 0.0027  | 0.3949  | 0.1013  | 0.1013  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 2H2       | NGL DEOILER FURNACE       | 0.0202  | 0.0165  | 0.002   | 0.0424  | 0.0203  | 0.0203  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 34I1      | SRU INCINERATOR           | 16.7574                                       | 26.1074                                       | 24.5832                                       | 3.5773  | 17.7563   | 17.7563   | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 36H1      | HDS UNIT CHARGE HEATER    | 0.0006  | 0.0006  | 0.0016  | 0.4712  | 0.1185  | 0.1185  | Average 2017-2020 reported point source emissions                                   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY         | 40H1      | UNIT 40 SUPERHEATER #1    | 0.4896  | 0.4082  | 0.454   | 0.5411  | 0.4732  | 0.4732  | Average 2017-2020 reported point source emissions                                   |

**Appendix A: Hutchinson County Point Sources Sulfur Dioxide (SO<sub>2</sub>) Emissions  
Hutchinson County 2010 SO<sub>2</sub> Nonattainment Area Point Source Annual (Routine) SO<sub>2</sub> Emissions in Tons Per Year (tpy) by Emission Point Number (EPN)**

| Regulated Entity Reference Number | Air Account | Company             | Site            | EPN    | Emission Point Name       | 2017 Routine SO <sub>2</sub> Emissions in tpy | 2018 Routine SO <sub>2</sub> Emissions in tpy | 2019 Routine SO <sub>2</sub> Emissions in tpy | 2020 Routine SO <sub>2</sub> Emissions in tpy | Average of 2017-2020 Routine SO <sub>2</sub> Emissions in tpy | Projected 2026 Attainment Year SO <sub>2</sub> Emissions in tpy | Data Used to Determine 2026 SO <sub>2</sub> Emissions |
|-----------------------------------|-------------|---------------------|-----------------|--------|---------------------------|---|---|---|---|---|---|---|
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 40H3   | SUPERHEATER               |   |   | 0.27  | 0.3945  | 0.3323  | 0.3323  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 40P1   | CAT. CRACKER REGENERATOR  | 27.2229                                       | 29.8974                                       | 28.8416                                       | 42.2657                                       | 32.0569   | 32.0569   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 41H1   | UNIT 41 REFORMER FURNACE  | 0   | 0   | 0   | 2.8211  | 0.7053  | 0.7053  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 42H1   | UNIT 42 REACTOR CHG HTR   | 0.271   | 0.1723  | 0.1203  | 0.3453  | 0.2272  | 0.2272  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 42H2   | UNIT 42 REACTOR CHG HTR   | 0.8822  | 0.5608  | 0.3711  | 0.3172  | 0.5328  | 0.5328  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 42H3   | UNIT 42 FRACT FEED HEATER | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 43I1   | UNIT 43 INCINERATOR       | 35.6354                                       | 46.4138                                       | 47.448  | 3.6373  | 33.2836   | 33.2836   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 4H1    | UNIT 4 FEED HEATER        | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 4H2    | UNIT 4 DEHYDRATOR HEATER  | 0.0371  | 0.0296  | 0.0113  | 0.0078  | 0.0215  | 0.0215  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 50H1   | UNIT 50 CHARGE HEATER     | 0.1602  | 0.131   | 0.3425  | 1.6762  | 0.5775  | 0.5775  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 50HT1  | 36-V811 TANK 9700 HEATER  | 0.2613  | 0.2613  | 0.2613  | 0.2613  | 0.2613  | 0.2613  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 50HT2  | 36-V812 TANK 9701 HEATER  | 0.2613  | 0.2613  | 0.2613  | 0.2613  | 0.2613  | 0.2613  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 50HT3  | 36-V813 TANK 9702 HEATER  | 0.2613  | 0.2613  | 0.2613  | 0.2613  | 0.2613  | 0.2613  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 51H1   | UNIT 51 CHARGE HEATER     | 0   | 0   | 0   | 3.4659  | 0.8665  | 0.8665  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 55E1   | ENGINE                    | 0   |   |   |   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 55E2   | ENGINE                    | 0.0015  |   |   |   | 0.0015  | 0.0015  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 55E3   | ENGINE                    | 0   |   |   |   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 5H1    | UNIT 5-A FEED HEATER      | 0   | 0.0137  | 0.0319  | 0.0216  | 0.0168  | 0.0168  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 5H3    | UNIT 5-B FEED HEATER      | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 5H4    | UNIT 5-C FEED HEATER      | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL1  | REFINERY EAST HC FLARE    | 0   | 0   | 0   | 0.1079  | 0.027   | 0.027   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL10 | 100M SWT BRINE FLARE PIT  | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL11 | 30M SWT BRINE FLARE PIT   | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL12 | ARDS HYDROCARBON FLARE    | 2.4636  | 0   | 0   | 2.4355  | 1.2248  | 1.2248  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL13 | EMERGENCY SULFUR FLARE    | 59.4048                                       | 59.568  | 59.568  | 0.3769  | 44.7294   | 44.7294   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL2  | REFINERY WEST HC FLARE    | 0   | 0   | 0   | 0.2522  | 0.0631  | 0.0631  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL3  | REFINERY CAT FLARE        | 0   | 0   | 0   | 1.9125  | 0.4781  | 0.4781  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL4  | NGL NONCORROSIVE FLARE    | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL5  | NGL CORROSIVE FLARE       | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL6  | H2S EMERGENCY FLARE       | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL7  | 100M SWT BRINE FLARE PIT  | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL8  | 100M SOUR BRINE FLARE PIT | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 66FL9  | 55M SWT BRINE FLARE PIT   | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 6H1    | UNIT 6 HYDRO PREHEATER    | 0.0518  | 0.0359  | 0.0477  | 0.0645  | 0.05  | 0.05  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 6H3    | C6 DRYER REGEN FURNACE    | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 7E1    | UNIT 7 PLAT ENGINE #1     | 0.2101  | 0.2284  | 0.1841  | 0.8082  | 0.3577  | 0.3577  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 7E2    | UNIT 7 PLAT ENGINE #2     | 0.2101  | 0.2284  | 0.1841  | 0.8082  | 0.3577  | 0.3577  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 7E3    | UNIT 7 PLAT ENGINE #3     | 0.2101  | 0.2284  | 0.1841  | 0.4743  | 0.2742  | 0.2742  | Average 2017-2020 reported point source emissions     |

**Appendix A: Hutchinson County Point Sources Sulfur Dioxide (SO<sub>2</sub>) Emissions**  
**Hutchinson County 2010 SO<sub>2</sub> Nonattainment Area Point Source Annual (Routine) SO<sub>2</sub> Emissions in Tons Per Year (tpy) by Emission Point Number (EPN)**

| Regulated Entity Reference Number | Air Account | Company             | Site            | EPN        | Emission Point Name               | 2017 Routine SO <sub>2</sub> Emissions in tpy | 2018 Routine SO <sub>2</sub> Emissions in tpy | 2019 Routine SO <sub>2</sub> Emissions in tpy | 2020 Routine SO <sub>2</sub> Emissions in tpy | Average of 2017-2020 Routine SO <sub>2</sub> Emissions in tpy | Projected 2026 Attainment Year SO <sub>2</sub> Emissions in tpy | Data Used to Determine 2026 SO <sub>2</sub> Emissions |
|-----------------------------------|-------------|---------------------|-----------------|------------|-----------------------------------|---|---|---|---|---|---|---|
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 7E4        | UNIT 7 PLAT ENGINE #4             | 0.2101  | 0.2284  | 0.1841  | 0.4743  | 0.2742  | 0.2742  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 7E5        | UNIT 7 PLAT ENGINE #5             | 0.2101  | 0.2284  | 0.1841  | 0.4743  | 0.2742  | 0.2742  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 7E6        | UNIT 7 PLAT ENGINE #6             | 0.2101  | 0.2284  | 0.1841  | 0.4743  | 0.2742  | 0.2742  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 7H1-4      | UNIT 7 HEATERS STACK              | 0.0256  | 0.0253  | 0.0249  | 0.3295  | 0.1013  | 0.1013  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 81B17      | REFINERY BOILER 2.4               | 0   | 0   | 0   | 1.7305  | 0.4326  | 0.4326  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 85B1       | UNIT 29 CO BOILER                 | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 85B2       | UNIT 40 CO BOILER                 | 15.2663                                       | 12.4838                                       | 3.5476  | 0.9679  | 8.0664  | 8.0664  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 93E1       | ENGINE #37                        | 0.0115  | 0.0065  | 0.0068  | 4.952   | 1.2442  | 1.2442  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 93E2       | ENGINE #38                        | 0.0115  | 0.0065  | 0.0068  | 4.952   | 1.2442  | 1.2442  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 93E3       | ENGINE #37                        | 0   |   |   |   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 98H1       | REFORMER CHARGE                   | 1.8985  | 1.5525  | 2.4996  | 1.452   | 1.8507  | 1.8507  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | 9H1        | CRUDE OIL HEATER                  | 0.0126  | 0.0119  | 0.0127  | 1.6466  | 0.421   | 0.421   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | A-1        | TEMP BOILER ENGINE-1              | 0.0008  | 0.0008  | 0.0008  | 0   | 0.0006  | 0.0006  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | A-2        | TEMP BOILER ENGINE-2              | 0.0008  | 0.0008  | 0.0008  | 0   | 0.0006  | 0.0006  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | A-3        | TEMP BOILER ENGINE-3              | 0.0008  | 0.0008  | 0.0008  | 0   | 0.0006  | 0.0006  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | A-4        | TEMP BOILER ENGINE-4              | 0.0005  | 0.0005  | 0.0005  | 0   | 0.0004  | 0.0004  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ATM-MAINTA | ATM MAINTENANCE EMISSIONS         | 0.025   | 0   | 0   | 0   | 0.0063  | 0.0063  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | BLR12      | BOILER 12                         |   | 1.2494  | 0   | 0.0017  | 0.417   | 0.417   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | DECOCKING  | MAINTENANCE - EQUIPMENT DECOCKING | 0.61  | 0   | 0   | 0   | 0.1525  | 0.1525  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-EB1    | AUXILLARY AIR ENGINE-1            | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-EB2    | AUXILLARY AIR ENGINE-2            | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-EB3    | AUXILLIARY AIR ENGINE-3           | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-EB4    | AUXILLARY AIR ENGINE-4            | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-EB5    | AUXILLARY AIR ENGINE-5            | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-EB6    | AUXILLARY AIR ENGINE-6            | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-EB7    | AUXILLARY AIR ENGINE-7            | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-EB8    | AUXILLARY AIR ENGINE-8            | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-EB9    | AUXILLARY AIR ENGINE-9            | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | 0.396   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-SD1    | PUMP DIESEL ENGINE-1              | 2.016   | 2.016   | 2.016   | 2.016   | 2.016   | 2.016   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-SD2    | PUMP DIESEL ENGINE-2              | 2.016   | 2.016   | 2.016   | 2.016   | 2.016   | 2.016   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-SD3    | PUMP DIESEL ENGINE-3              | 2.016   | 2.016   | 2.016   | 2.016   | 2.016   | 2.016   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-SD4    | PUMP DIESEL ENGINE-4              | 2.016   | 2.016   | 2.016   | 2.016   | 2.016   | 2.016   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | ENG-SD5    | PMP DIESEL ENGINE-5               | 0.6456  | 0.6456  | 0.6456  | 0.6456  | 0.6456  | 0.6456  | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | F-19-3     | DISTILLATE HDS FUGITIVES          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | F-42       | ARDS UNIT 42 FUGITIVES            | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | F-44       | AMINE FUGITIVES                   | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | F-50       | COKE FUGITIVES                    | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY | FWP1       | 67-H463 #8 ARDS FWTR PUMP         | 0.0077  | 0.0077  | 0.0077  | 0.0077  | 0.0077  | 0.0077  | Average 2017-2020 reported point source emissions     |

**Appendix A: Hutchinson County Point Sources Sulfur Dioxide (SO<sub>2</sub>) Emissions  
Hutchinson County 2010 SO<sub>2</sub> Nonattainment Area Point Source Annual (Routine) SO<sub>2</sub> Emissions in Tons Per Year (tpy) by Emission Point Number (EPN)**

| Regulated Entity Reference Number | Air Account | Company             | Site                 | EPN        | Emission Point Name                      | 2017 Routine SO <sub>2</sub> Emissions in tpy | 2018 Routine SO <sub>2</sub> Emissions in tpy | 2019 Routine SO <sub>2</sub> Emissions in tpy | 2020 Routine SO <sub>2</sub> Emissions in tpy | Average of 2017-2020 Routine SO <sub>2</sub> Emissions in tpy | Projected 2026 Attainment Year SO <sub>2</sub> Emissions in tpy | Data Used to Determine 2026 SO <sub>2</sub> Emissions              |
|-----------------------------------|-------------|---------------------|----------------------|------------|--|---|---|---|---|---|---|--|
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | FWP2       | 67-H464 #7 ARDS FWTR PUMP                | 0.0077  | 0.0077  | 0.0077  | 0.0077  | 0.0077  | 0.0077  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | FWP3       | 67-H741 S NGL F WATR PUMP                | 0.0077  | 0.0077  | 0.0077  | 0.0077  | 0.0077  | 0.0077  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | FWP4       | 67-V371 N REF FWATER PUMP                | 0.0077  | 0.0077  | 0.0077  | 0.0077  | 0.0077  | 0.0077  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | FWP5       | 67-V372 S REF FWATER PUMP                | 0.0077  | 0.0077  | 0.0077  | 0.0077  | 0.0077  | 0.0077  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER1    | PORTABLE AIR JAMMER ENGINE 1             | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER10   | PORTABLE AIR JAMMER ENGINE 10            | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER11   | PORTABLE AIR JAMMER ENGINE 11            | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER12   | PORTABLE AIR JAMMER ENGINE 12            | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER2    | PORTABLE AIR JAMMER ENGINE 2             | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER3    | PORTABLE AIR JAMMER ENGINE 3             | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER4    | PORTABLE AIR JAMMER ENGINE 4             | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER5    | PORTABLE AIR JAMMER ENGINE 5             | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER6    | PORTABLE AIR JAMMER ENGINE 6             | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER7    | PORTABLE AIR JAMMER ENGINE 7             | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER8    | PORTABLE AIR JAMMER ENGINE 8             | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | JAMMER9    | PORTABLE AIR JAMMER ENGINE 9             | 0.2196  | 0.2196  | 0.2196  | 0   | 0.1647  | 0.1647  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | MSS-EQP    | MAINTENANCE EMISSIONS-EQUIPMENT          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | MSS-MAINTA | MAINTENANCE EMISSIONS-MAINTANCE ACTIVITY | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | NHTP-1     | NORTH HOLDING TANK PORTABLE PUMP         | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | SKDBLR     | SKID BOILER                              | 0   | 0   | 0   | 1.0028  | 0.2507  | 0.2507  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | SKIDBLR10  | SKID BOILER 10                           | 0.81  | 0.81  | 0.81  | 0   | 0.6075  | 0.6075  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | SKIDBLR11  | SKID BOILER 11                           | 0.81  | 0.81  | 0.81  | 0   | 0.6075  | 0.6075  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | SKIDBLR7   | SKID BOILER 7                            | 1.419   | 1.419   | 1.419   | 0   | 1.0643  | 1.0643  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | SKIDBLR8   | SKID BOILER 8                            | 1.419   | 1.419   | 1.419   | 0   | 1.0643  | 1.0643  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | SKIDBLR9   | SKID BOILER 9                            | 1.419   | 1.419   | 1.419   | 0   | 1.0643  | 1.0643  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | TEMPENG1   | TEMP ENGINE-1                            | 0.12  | 0.12  | 0.12  | 0   | 0.09  | 0.09  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | TEMPENG2   | TEMP ENGINE-2                            | 0.12  | 0.12  | 0.12  | 0   | 0.09  | 0.09  | Average 2017-2020 reported point source emissions                  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | 28-H3      | Crude Charge Heater No. 1                |   |   |   |   |   | 11.4  | Annual Permit Limit; EPN is permitted not built as of January 2021 |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | 28-H4      | Crude Charge Heater No. 2                |   |   |   |   |   | 11.4  | Annual Permit Limit; EPN is permitted not built as of January 2021 |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | 88-H1      | CCR Charge and Interheaters              |   |   |   |   |   | 19.94   | Annual Permit Limit; EPN is permitted not built as of January 2021 |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | 88-V1      | CCR Vent                                 |   |   |   |   |   | 0.7   | Annual Permit Limit; EPN is permitted not built as of January 2021 |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | ENG-SD-6   | Diesel Pump Engine                       |   |   |   |   |   | 2.2338  | Modeled Rate   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | ENG-SD-7   | Diesel Pump Engine                       |   |   |   |   |   | 2.2338  | Modeled Rate   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | ENG-SD-8   | Diesel Pump Engine                       |   |   |   |   |   | 1.0512  | Modeled Rate   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | ENG-SC1    | Unit 43 Backup Engine                    |   |   |   |   |   | 0.7   | Annual Permit Limit  |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | CPP1       | North Sump Pump                          |   |   |   |   |   | 0.9198  | Modeled Rate   |
| RN102495884                       | HW0018P     | PHILLIPS 66 COMPANY | BORGER REFINERY      | CPP2       | Lot 7 Pump                               |   |   |   |   |   | 0.9198  | Modeled Rate   |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC | ROCK CREEK GAS PLANT | BLRSTK1    | BOILER STACK 1                           | 0.0466  | 0.0478  | 0.0478  | 0   | 0.0356  | 0.0356  | Average 2017-2020 reported point source emissions                  |

**Appendix A: Hutchinson County Point Sources Sulfur Dioxide (SO<sub>2</sub>) Emissions**  
**Hutchinson County 2010 SO<sub>2</sub> Nonattainment Area Point Source Annual (Routine) SO<sub>2</sub> Emissions in Tons Per Year (tpy) by Emission Point Number (EPN)**

| Regulated Entity Reference Number | Air Account | Company                           | Site                          | EPN     | Emission Point Name              | 2017 Routine SO <sub>2</sub> Emissions in tpy | 2018 Routine SO <sub>2</sub> Emissions in tpy | 2019 Routine SO <sub>2</sub> Emissions in tpy | 2020 Routine SO <sub>2</sub> Emissions in tpy | Average of 2017-2020 Routine SO <sub>2</sub> Emissions in tpy | Projected 2026 Attainment Year SO <sub>2</sub> Emissions in tpy | Data Used to Determine 2026 SO <sub>2</sub> Emissions  |
|-----------------------------------|-------------|-----------------------------------|-------------------------------|---------|----------------------------------|---|---|---|---|---|---|--|
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | BLRSTK2 | BOILER STACK #2                  | 0.0231  | 0.0662  | 0.0662  | 0   | 0.0389  | 0.0389  | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | ENG8A   | COMPRESSOR ENGINE                | 0.0034  | 0.0032  | 0.0052  | 0.004   | 0.004   | 0.004   | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | FLR1    | ACID GAS FLARE 1                 | 0   | 0   | 0   | 0   | 0   | 52.08   | 30 Texas Administrative Code Chapter 112 limit and assumed maximum maintenance operational hours |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | HOH1    | NORTH HOT OIL HEATER             | 0.0212  | 0.0245  | 0.0245  | 0.0058  | 0.019   | 0.019   | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | HOH2    | SOUTH HOT OIL HEATER             | 0.0225  | 0.0245  | 0.0245  | 0.0058  | 0.0193  | 0.0193  | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | HTRSTK3 | REGEN. HEATER STK. 3             | 0.0206  | 0.0212  | 0.0212  | 0.0008  | 0.016   | 0.016   | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | INCIN1  | ACID GAS INCINERATOR             | 180.8293                                      | 199.7079                                      | 112.1668                                      | 72.9538                                       | 141.4145  | 141.4145  | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | PUMP    | EMERGENCY WATER PUMP             | 0.0058  | 0.0008  | 0.009   |   | 0.0052  | 0.0052  | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | STK4    | ENGINE STACK #4                  | 0.0168  | 0.0146  | 0.005   | 0.0089  | 0.0113  | 0.0113  | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | STK5    | ENGINE STACK 5                   | 0.0109  | 0.0099  | 0.01  | 0.011   | 0.0105  | 0.0105  | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | STK6A   | GAS TURBINE STACK "6A"           | 0.6678  | 0.4838  | 0.66  | 1.3024  | 0.7785  | 0.7785  | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | STK6B   | GAS TURBINE STACK "6B"           | 0.6678  | 0.4838  | 0.66  | 1.3024  | 0.7785  | 0.7785  | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | STK6C   | GAS TURBINE STACK "6C"           | 0.6678  | 0.4838  | 0.66  | 0   | 0.4529  | 0.4529  | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | STK6D   | GAS TURBINE STACK "6D"           | 0.6678  | 0.4838  | 0.66  | 0   | 0.4529  | 0.4529  | Average 2017-2020 reported point source emissions  |
| RN100216613                       | HW0020F     | IACX ROCK CREEK LLC               | ROCK CREEK GAS PLANT          | STK7    | GAS TURBINE STACK                | 0.4717  | 0.3626  | 0.0292  | 0.3748  | 0.3096  | 0.3096  | Average 2017-2020 reported point source emissions  |
| RN100217298                       | HW0081I     | BORGER ENERGY ASSOCIATES LP       | BLACKHAWK POWER PLANT         | EPN1-1  | UNIT 1 STACK                     | 41.5  | 39.2  | 37  | 31.4  | 37.275  | 37.275  | Average 2017-2020 reported point source emissions  |
| RN100217298                       | HW0081I     | BORGER ENERGY ASSOCIATES LP       | BLACKHAWK POWER PLANT         | EPN2-1  | UNIT 2 STACK                     | 30.3  | 43.2  | 31.5  | 29.4  | 33.6  | 33.6  | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | F-CT3   | RYTON COOLING TOWER              | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | F-R1    | PROCESS FUGITIVES                | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | F-R2    | POWDER BOXING STATIONS           | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | F-R4    | REACTOR DUMPINE CLEARING         | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | FWW11   | PROCESS DRAINS                   | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | FWW8    | BRINE WATER FILTER PRESS         | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | FWW9    | DRY WEATHER SUMP                 | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | H-10    | QUENCH DOWTHERM FURNACE NO. 3    | 0.0871  | 0.0767  | 0.0466  | 0.049   | 0.0649  | 0.0649  | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | H-8     | FLASH DOWTHERM FURNACE NO. 1     | 0.0545  | 0.0538  | 0.0344  | 0.032   | 0.0437  | 0.0437  | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | H-9     | FLASH DOWTHERM FURNACE NO. 2     | 0.046   | 0.0457  | 0.0299  | 0.0293  | 0.0377  | 0.0377  | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-LR2   | QUENCH NMP HEAVIES TRUCK LOADING | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-LRI   | FLASH NMP HEAVIES TRUCK LOADING  | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V1    | FLASH ACETIC ACID SCRUBBER       | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V11   | HEAT TREATER SCRUBBER            | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V12   | MAIN SUMP                        | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V15   | NO. 1 BELT FILTER VENT           | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V17   | B-TRAIN DEHYDRATOR VENT          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V19   | A-2 BELT FILTER VENT             | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V20   | B-1 BELT FILTER VENT             | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V21   | B-2 BELT FILTER VENT             | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions  |



**Appendix A: Hutchinson County Point Sources Sulfur Dioxide (SO<sub>2</sub>) Emissions**  
**Hutchinson County 2010 SO<sub>2</sub> Nonattainment Area Point Source Annual (Routine) SO<sub>2</sub> Emissions in Tons Per Year (tpy) by Emission Point Number (EPN)**

| Regulated Entity Reference Number | Air Account | Company                           | Site                          | EPN        | Emission Point Name           | 2017 Routine SO <sub>2</sub> Emissions in tpy | 2018 Routine SO <sub>2</sub> Emissions in tpy | 2019 Routine SO <sub>2</sub> Emissions in tpy | 2020 Routine SO <sub>2</sub> Emissions in tpy | Average of 2017-2020 Routine SO <sub>2</sub> Emissions in tpy | Projected 2026 Attainment Year SO <sub>2</sub> Emissions in tpy | Data Used to Determine 2026 SO <sub>2</sub> Emissions |
|-----------------------------------|-------------|-----------------------------------|-------------------------------|------------|-------------------------------|---|---|---|---|---|---|---|
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V22      | POLYMER DRYER VENT            | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V23      | QUENCH CAUSTIC SCRUBBER       | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V24      | QUENCH SCREEN WASH SCRUBBER   | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V3       | NO. 2 CURE VESSEL VENT        | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V5       | NO. 1 CURE VESSEL VENT        | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | R-V8       | A-TRAIN DEHYDRATOR VENT       | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-114   | FLASH NMP STORAGE TANK        | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-136   | FILTER FEED TANK              | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-160   | NO. 6 SLURRY TANK             | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-167   | CRUDE NMP STORAGE TANK        | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-168   | A-1 FEED FILTER TANK          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-169A  | SOUTH FRESH NMP TANK          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-169B  | NORTH FRESH NMP TANK          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-170   | NASH STORAGE TANK             | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-182   | NASH RECYCLE TANK             | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-28    | LIGHTS COLUMN PHASE SEPARATOR | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-40140 | NO. 4 SUPER SACK SILO         | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-40141 | NO. 5 SUPER SACK SILO         | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-40142 | NO. 6 SUPER SACK SILO         | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-70060 | POST FILTRATION BRINE TANK    | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-80014 | QUENCH HOT OIL STORAGE TANK   | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-Y044  | NO.1 SUPERSACK SILO           | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-Y046  | NO. 1 VALVE BAG TANK          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-Y076  | NO. 2 SUPERSACK SILO          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-Y084  | NO. 3 SUPERSACK SILO          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-Y091  | NO. 2 VALVE BAG TANK          | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | T-95-YA15  | A-TRAIN SLURRY TANK           | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |
| RN107829640                       | HWA002B     | SOLVAY SPECIALTY POLYMERS USA LLC | SOLVAY SPECIALTY POLYMERS USA | TN-02      | FLASH NMP HEAVIES TANK        | 0   | 0   | 0   | 0   | 0   | 0   | Average 2017-2020 reported point source emissions     |