

Final Report Fenceline Response

Start Date & Time: 8/11/2018 10:15am

End Date & Time: 8/11/2018 10:25am

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|----------------------|------------------------------|
| 1 | 30.55 | 44 to 336 deg 1.8mph |
| 2 | 46.17 | 262 to 327 deg 3.9mph |
| 3 | 30.68 | 280 to 301 deg 7.2mph |
| 4 | | |

*Attach Additional pages of data if necessary

Potential Sources Identified: Operators conducted an investigation of the wind bin area and identified a leak on a pipeline to a neighboring facility.

Actions Taken to Reduce Emissions: TPC personnel isolated the leaking piing and prepared it for maintenance.

Reason No Action Was Taken: NA

Was a FLIR Camera Used to Identify Potential Sources? Yes No

Is there additional data attached? Yes No

Final Report Fenceline Response

Start Date & Time: 3/16/2019 10:08am

End Date & Time: 3/16/2019 11:38am

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|----------------------|------------------------------|
| 1 | 39 | 42 deg @ 10 mph |
| 2 | 41 | 48 deg @ 7 mph |
| 3 | 68 | 64 deg @ 11mph |
| 4 | | |

*Attach Additional pages of data if necessary

Potential Sources Identified: Operators conducted an investigation of the wind bin area and identified a leak on a section of braided hose on the S2C2 process compressor.

Actions Taken to Reduce Emissions: TPC personnel isolated and deinventoried the leaking hose and prepared it for maintenance to replace.

Reason No Action Was Taken: NA

Was a FLIR Camera Used to Identify Potential Sources? Yes No

Is there additional data attached? Yes No

Final Report Fenceline Response

Start Date & Time: 3/18/2019 5:51am

End Date & Time: 3/18/2019 10:23am

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|----------------------|------------------------------|
| 1 | 33 | 44 deg @ 4 mph |
| 2 | 22 | 20 deg @ 4 mph |
| 3 | 33 | 44 deg @ 5mph |
| 4 | 34 | 45 deg @ 6 mph |
| 5 | 41 | 45 deg @ 5 mph |
| 6 | 33 | 37 deg @ 6 mph |
| 7 | 35 | 42 deg @ 7mph |
| 8 | 68 | 47 deg @ 6 mph |

Potential Sources Identified: LDAR technician assisting in the investigation of fenceline alarms identified a leak on a hose connected to Tank 27.

Actions Taken to Reduce Emissions: TPC personnel isolated the hose and removed it from service.

Reason No Action Was Taken: NA

Was a FLIR Camera Used to Identify Potential Sources? Yes No

Is there additional data attached? Yes No

Final Report Fenceline Response

Start Date & Time: 3/23/2019 1:36am

End Date & Time: 3/23/2019 2:36am

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|----------------------|------------------------------|
| 1 | 114 | 44 deg @ 4 mph |
| 2 | 113 | 20 deg @ 4 mph |
| 3 | | |
| 4 | | |

*Attach Additional pages of data if necessary

Potential Sources Identified: Operators conducted an investigation of the wind bin area and identified the gasket on the 6FF34B strainers leaking.

Actions Taken to Reduce Emissions: TPC personnel isolated the strainers and replaced the gasket on the strainer lid to eliminate the hydrocarbon leak.

Reason No Action Was Taken: NA

Was a FLIR Camera Used to Identify Potential Sources? Yes No

Is there additional data attached? Yes No

Final Report Fenceline Response

Start Date & Time: 3/25/2019 3:36am

End Date & Time: 3/25/2019 6:36am

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|----------------------|------------------------------|
| 1 | 48 | 195 deg @ 8 mph |
| 2 | 77 | 234 deg @ 9 mph |
| 3 | 48 | 229 deg @ 9 mph |
| 4 | 70 | 241 deg @ 4 mph |

*Attach Additional pages of data if necessary

Potential Sources Identified: Operators conducted an investigation of the wind bin area and identified a leaking sample point on pump 6G108S.

Actions Taken to Reduce Emissions: TPC personnel shut-down and deinventoried the pump for maintenance to repair the sample point.

Reason No Action Was Taken: NA

Was a FLIR Camera Used to Identify Potential Sources? Yes No

Is there additional data attached? Yes No

Final Report Fenceline Response

Start Date & Time: 3/26/2019 @ 4:34am

End Date & Time: 3/26/2019 @ 9:04am

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|----------------------|------------------------------|
| 1 | 117 | 15 deg @ 7 mph |
| 2 | 150 | 40 deg @ 5 mph |
| 3 | 171 | 18 deg @ 7mph |
| 4 | 138 | 34 deg @ 6 mph |

*Attach Additional pages of data if necessary

Potential Sources Identified: Operators conducted an investigation of the wind bin area and identified a leak from a bleeder on a compressor. Operators also identified other ancillary equipment with smaller leaks.

Actions Taken to Reduce Emissions: TPC personnel deinventoried the compressor and prepared it for maintenance. For the ancillary sources, Operators initiated the work order process to eliminate the sources of emissions.

Reason No Action Was Taken: NA

Was a FLIR Camera Used to Identify Potential Sources? Yes No

Is there additional data attached? Yes No

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|-----------------------------|---|
| 1 | 131 | 46 deg @ 8 mph |
| 2 | 80 | 41 deg @ 8 mph |
| 3 | | |
| 4 | | |

Final Report Fenceline Response

Start Date & Time: 3/26/2019 8:49pm

End Date & Time: 3/26/2019 10:49pm

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|----------------------|------------------------------|
| 1 | 173 | 38 deg @ 4 mph |
| 2 | 291 | 30 deg @ 6 mph |
| 3 | 226 | 43 deg @ 5 mph |
| 4 | | |

*Attach Additional pages of data if necessary

Potential Sources Identified: Operators conducted an investigation of the wind bin area and identified a leak from pressure relief valve S4RV315A.

Actions Taken to Reduce Emissions: TPC personnel removed the pressure relief valve from service for testing and repair.

Reason No Action Was Taken: NA

Was a FLIR Camera Used to Identify Potential Sources? Yes No

Is there additional data attached? Yes No

Final Report Fenceline Response

Start Date & Time: 3/27/2019 6:00am

End Date & Time: 3/27/2019 11:29am

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|----------------------|------------------------------|
| 1 | 62 | 83 deg @ 5 mph |
| 2 | 175 | 76 deg @ 6 mph |
| 3 | 45 | 84 deg @ 13 mph |
| 4 | 32 | 80 deg @ 10 mph |

*Attach Additional pages of data if necessary

Potential Sources Identified: Operators conducted an investigation of the wind bin area and measured Toxi Rae readings from bundle washing maintenance activities.

Actions Taken to Reduce Emissions: Bundle washing maintenance activity was completed.

Reason No Action Was Taken: NA

Was a FLIR Camera Used to Identify Potential Sources? Yes No

Is there additional data attached? Yes No

Final Report Fenceline Response

Start Date & Time: 3/27/2019 11:34pm

End Date & Time: 3/28/2019 12:15am

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|----------------------|------------------------------|
| 1 | 129 | 180 deg @ 5 mph |
| 2 | 138 | 177 deg @ 4 mph |
| 3 | 138 | 173 deg @ 4 mph |
| 4 | 46 | 176 deg @ 5 mph |

*Attach Additional pages of data if necessary

Potential Sources Identified: Operators conducted an investigation of the wind bin area and identified hydrocarbons leaking from a condensate valve on S4E11A that was already being prepared for maintenance.

Actions Taken to Reduce Emissions: Operators confirmed isolation valves position and lined up S4E11A to the vent recovery system.

Reason No Action Was Taken: NA

Was a FLIR Camera Used to Identify Potential Sources? Yes No

Is there additional data attached? Yes No

Final Report Fenceline Response

Start Date & Time: 3/30/2019 4:04pm

End Date & Time: 3/30/2019 4:45pm

| | Concentration (ppbv) | Wind Direction & Speed (MPH) |
|---|----------------------|------------------------------|
| 1 | 40 | 222 deg @ 8 mph |
| 2 | 83 | 234 deg @ 6 mph |
| 3 | 73 | 220 deg @ 5 mph |
| 4 | | |

*Attach Additional pages of data if necessary

Potential Sources Identified: Operators conducted an investigation of the wind bin area and identified a hose leaking on the Raffinate Splitter N2D1.

Actions Taken to Reduce Emissions: Operators isolated the hose and prepared it to be replaced by maintenance.

Reason No Action Was Taken: NA

Was a FLIR Camera Used to Identify Potential Sources? Yes No

Is there additional data attached? Yes No