# Table 1 - Seep Well Field (SWF) Operational Metrics

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | LS #1 | PC-116R (East Well) | | PC-99R2/R3 (Center Well) | | PC-115R (West Well) | | PC-117 | | PC-118 | | PC-119 | | PC-120 | | PC-121 | | PC-133 | |
| | Flow (gpm) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) |
| 06/01/19 | 622 | 167 | 1535.48 | 85 | 1540.72 | 131 | 1541.59 | 111 | 1537.10 | 70 | 1545.91 | 87 | 1547.06 | 50 | 1548.14 | 19 | 1549.21 | 9.7 | 1521.63 |
| 06/02/19 | 616 | 168 | 1535.47 | 85 | 1541.47 | 131 | 1541.57 | 111 | 1537.09 | 71 | 1545.90 | 116 | 1547.04 | 50 | 1548.12 | 19 | 1549.20 | 9.8 | 1521.58 |
| 06/03/19 | 615 | 163 | 1535.46 | 83 | 1541.00 | 128 | 1541.55 | 109 | 1537.08 | 77 | 1545.88 | 99 | 1547.03 | 49 | 1548.11 | 18 | 1549.18 | 9.6 | 1521.18 |
| 06/04/19 | 615 | 170 | 1535.45 | 86 | 1541.08 | 132 | 1541.55 | 112 | 1537.07 | 64 | 1545.86 | 103 | 1547.02 | 51 | 1548.10 | 19 | 1549.17 | 9.2 | 1521.60 |
| 06/05/19 | 610 | 166 | 1535.44 | 84 | 1541.27 | 130 | 1541.54 | 109 | 1537.07 | 71 | 1545.86 | 100 | 1547.01 | 50 | 1548.09 | 19 | 1549.16 | 9.7 | 1521.14 |
| 06/06/19 | 630 | 165 | 1535.41 | 83 | 1540.98 | 128 | 1541.51 | 109 | 1537.04 | 69 | 1545.85 | 99 | 1546.99 | 50 | 1548.07 | 19 | 1549.14 | 9.6 | 1521.09 |
| 06/07/19 | 638 | 166 | 1535.39 | 84 | 1540.80 | 130 | 1541.50 | 110 | 1537.02 | 70 | 1545.83 | 101 | 1546.98 | 50 | 1548.06 | 19 | 1549.13 | 9.7 | 1521.15 |
| 06/08/19 | 632 | 166 | 1535.38 | 84 | 1541.09 | 130 | 1541.49 | 110 | 1537.00 | 71 | 1545.81 | 101 | 1546.96 | 50 | 1548.03 | 19 | 1549.11 | 9.7 | 1520.93 |
| 06/09/19 | 632 | 168 | 1535.38 | 84 | 1540.98 | 132 | 1541.48 | 111 | 1537.00 | 71 | 1545.81 | 101 | 1546.95 | 51 | 1548.03 | 19 | 1549.10 | 9.1 | 1520.94 |
| 06/10/19[2] | 632 | 167 | 1535.36 | 84 | 1541.64 | 131 | 1541.46 | 111 | 1536.99 | 71 | 1545.80 | 101 | 1546.94 | 50 | 1548.02 | 19 | 1549.09 | 9.4 | 1521.18 |
| 06/11/19 | 616 | 170 | 1535.36 | 85 | 1541.37 | 134 | 1541.47 | 113 | 1536.99 | 72 | 1545.79 | 103 | 1546.94 | 51 | 1548.02 | 19 | 1549.09 | 9.9 | 1520.90 |
| 06/12/19 | 616 | 166 | 1535.36 | 84 | 1541.04 | 129 | 1541.45 | 109 | 1536.99 | 71 | 1545.78 | 100 | 1546.93 | 50 | 1548.01 | 19 | 1549.08 | 9.0 | 1521.14 |
| 06/13/19 | 627 | 166 | 1535.40 | 84 | 1541.47 | 129 | 1541.47 | 110 | 1536.99 | 70 | 1545.79 | 100 | 1546.93 | 50 | 1548.00 | 19 | 1549.07 | 9.7 | 1520.95 |
| 06/14/19 | 618 | 167 | 1535.39 | 84 | 1540.58 | 131 | 1541.45 | 110 | 1536.97 | 70 | 1545.78 | 101 | 1546.91 | 50 | 1547.99 | 19 | 1549.05 | 9.7 | 1521.17 |
| 06/15/19 | 615 | 166 | 1535.37 | 84 | 1540.85 | 130 | 1541.44 | 110 | 1536.96 | 71 | 1545.78 | 101 | 1546.91 | 50 | 1547.99 | 19 | 1549.05 | 9.7 | 1521.46 |
| 06/16/19 | 615 | 168 | 1535.36 | 84 | 1540.78 | 132 | 1541.41 | 111 | 1536.95 | 71 | 1545.76 | 101 | 1546.89 | 50 | 1547.96 | 19 | 1549.03 | 9.1 | 1521.34 |
| 06/17/19[2] | 615 | 167 | 1535.35 | 84 | 1541.43 | 131 | 1541.41 | 111 | 1536.94 | 71 | 1545.76 | 101 | 1546.88 | 50 | 1547.96 | 19 | 1549.03 | 9.5 | 1520.90 |
| 06/18/19 | 616 | 167 | 1535.35 | 83 | 1541.44 | 130 | 1541.40 | 110 | 1536.94 | 70 | 1545.75 | 101 | 1546.88 | 50 | 1547.95 | 19 | 1549.02 | 9.0 | 1520.80 |
| 06/19/19 | 617 | 167 | 1535.34 | 84 | 1540.92 | 130 | 1541.39 | 110 | 1536.93 | 71 | 1545.73 | 101 | 1546.87 | 52 | 1547.94 | 19 | 1549.01 | 9.7 | 1521.59 |
| 06/20/19 | 611 | 164 | 1535.33 | 83 | 1540.60 | 129 | 1541.38 | 109 | 1536.92 | 69 | 1545.73 | 100 | 1546.87 | 47 | 1547.94 | 19 | 1549.01 | 9.6 | 1520.95 |
| 06/21/19 | 621 | 168 | 1535.32 | 84 | 1540.65 | 131 | 1541.37 | 110 | 1536.91 | 71 | 1545.70 | 101 | 1546.85 | 50 | 1547.92 | 19 | 1548.99 | 9.8 | 1521.48 |
| 06/22/19 | 615 | 165 | 1535.31 | 83 | 1541.64 | 129 | 1541.34 | 109 | 1536.89 | 69 | 1545.70 | 100 | 1546.84 | 49 | 1547.91 | 19 | 1548.98 | 9.6 | 1520.70 |
| 06/23/19 | 616 | 167 | 1535.31 | 84 | 1541.60 | 131 | 1541.36 | 111 | 1536.90 | 71 | 1545.70 | 102 | 1546.84 | 50 | 1547.91 | 19 | 1548.98 | 9.1 | 1520.89 |
| 06/24/19[2] | 616 | 166 | 1535.30 | 84 | 1541.59 | 130 | 1541.38 | 110 | 1536.89 | 70 | 1545.70 | 101 | 1546.84 | 50 | 1547.91 | 19 | 1548.98 | 9.4 | 1520.89 |
| 06/25/19 | 616 | 166 | 1535.30 | 83 | 1541.21 | 129 | 1541.36 | 110 | 1536.89 | 70 | 1545.69 | 100 | 1546.83 | 50 | 1547.90 | 19 | 1548.97 | 9.0 | 1520.81 |
| 06/26/19 | 618 | 164 | 1535.28 | 82 | 1541.12 | 128 | 1541.35 | 109 | 1536.87 | 70 | 1545.68 | 100 | 1546.82 | 49 | 1547.90 | 19 | 1548.97 | 9.6 | 1520.88 |
| 06/27/19 | 627 | 167 | 1535.28 | 84 | 1541.14 | 131 | 1541.35 | 110 | 1536.87 | 70 | 1545.69 | 101 | 1546.82 | 50 | 1547.90 | 19 | 1548.97 | 9.7 | 1520.84 |
| 06/28/19 | 618 | 167 | 1535.27 | 83 | 1541.62 | 130 | 1541.34 | 110 | 1536.86 | 70 | 1545.67 | 100 | 1546.82 | 50 | 1547.89 | 19 | 1548.96 | 9.7 | 1520.84 |
| 06/29/19 | 615 | 166 | 1535.26 | 83 | 1541.35 | 130 | 1541.33 | 110 | 1536.86 | 70 | 1545.67 | 101 | 1546.81 | 50 | 1547.89 | 19 | 1548.96 | 9.7 | 1520.68 |
| 06/30/19 | 615 | 163 | 1535.27 | 81 | 1541.09 | 127 | 1541.33 | 107 | 1536.86 | 69 | 1545.67 | 98 | 1546.81 | 49 | 1547.88 | 18 | 1548.95 | 9.2 | 1520.79 |
| Monthly Average | 619 | 166 | 1535.36 | 84 | 1541.15 | 130 | 1541.43 | 110 | 1536.96 | 70 | 1545.77 | 101 | 1546.91 | 50 | 1547.98 | 19 | 1549.05 | 10 | 1521.08 |
| Analytical[1] | | Conc (mg/L) | Date | Conc[3] (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date |
| Perchlorate | | 13 | 6/13/2019 | 15 | 6/13/2019 | 6.0 | 6/13/2019 | 7.4 | 6/13/2019 | 2.1 | 6/13/2019 | 0.27 | 6/13/2019 | 0.050 | 6/13/2019 | 0.12 | 6/13/2019 | 1.3 | 6/13/2019 |
| Hexavalent Chromium | | 0.0038 | 6/13/2019 | ND | 6/13/2019 | ND | 6/13/2019 | 0.0047 | 6/13/2019 | ND | 6/13/2019 | ND | 6/13/2019 | ND | 6/13/2019 | ND | 6/13/2019 | ND | 6/13/2019 |
| Total Chromium | | 0.0048 J | 6/13/2019 | ND | 6/13/2019 | ND | 6/13/2019 | 0.0057 | 6/13/2019 | ND | 6/13/2019 | ND | 6/13/2019 | ND | 6/13/2019 | ND | 6/13/2019 | ND | 6/13/2019 |

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading.

ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 ug/L, Cr(VI) =0.20 ug/L).

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

1: Analytical results are reported from TestAmerica.

2: On 06/10, 06/17, and 06/24, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

3: Duplicates taken on 06/13 for well PC-99R2/R3; average of both values is presented and used for calculations.

Table Updated: 7/18/2019

# Table 2 - Athens Well Field (AWF) Operational Metrics

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | LS #3 Flow (gpm) | ART-1/1A Flow (gpm) | ART-1/1A Water Elevation (ft amsl) | ART-2/2A Flow (gpm) | ART-2/2A Water Elevation (ft amsl) | ART-3/3A Flow (gpm) | ART-3/3A Water Elevation (ft amsl) | ART-4/4A Flow (gpm) | ART-4/4A Water Elevation (ft amsl) | ART-9 Flow (gpm) | ART-9 Water Elevation (ft amsl) | ART-7A/7B Flow (gpm) | ART-7A/7B Water Elevation (ft amsl) | ART-8/8A Flow (gpm) | ART-8/8A Water Elevation (ft amsl) | PC-150 Flow[4] (gpm) | PC-150 Water Elevation (ft amsl) |
| 06/01/19 | 395 | 38 | 1582.74 | 150 | 1582.35 | 19 | 1580.79 | 2.8 | 1579.23 | 56 | 1580.43 | 18 | 1584.30 | 175 | 1582.27 | 1.5 | 1576.31 |
| 06/02/19 | 394 | 39 | 1582.74 | 150 | 1582.36 | 19 | 1580.79 | 2.8 | 1579.23 | 57 | 1580.46 | 19 | 1584.30 | 176 | 1582.58 | 1.5 | 1576.31 |
| 06/03/19 | 395 | 38 | 1582.76 | 150 | 1582.36 | 19 | 1580.80 | 2.7 | 1579.23 | 57 | 1580.46 | 18 | 1584.30 | 176 | 1582.58 | 1.5 | 1576.31 |
| 06/04/19 | 396 | 38 | 1582.76 | 151 | 1582.36 | 19 | 1580.80 | 2.8 | 1579.23 | 57 | 1580.57 | 18 | 1584.32 | 175 | 1582.58 | 1.5 | 1576.31 |
| 06/05/19 | 396 | 39 | 1582.72 | 151 | 1582.36 | 19 | 1580.80 | 2.8 | 1579.23 | 57 | 1580.55 | 19 | 1584.30 | 176 | 1582.58 | 1.5 | 1576.31 |
| 06/06/19 | 403 | 40 | 1582.75 | 151 | 1582.35 | 19 | 1580.80 | 2.7 | 1579.23 | 57 | 1580.57 | 19 | 1584.32 | 176 | 1582.58 | 1.5 | 1576.32 |
| 06/07/19 | 400 | 40 | 1582.75 | 146 | 1582.35 | 19 | 1580.80 | 2.8 | 1579.22 | 57 | 1580.65 | 18 | 1584.32 | 175 | 1582.58 | 1.5 | 1576.30 |
| 06/08/19 | 399 | 40 | 1582.75 | 147 | 1582.35 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.68 | 19 | 1584.32 | 176 | 1582.57 | 1.5 | 1576.30 |
| 06/09/19 | 401 | 40 | 1582.74 | 147 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.69 | 18 | 1584.30 | 175 | 1582.56 | 1.5 | 1576.30 |
| 06/10/19[2] | 400 | 40 | 1582.74 | 147 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.72 | 19 | 1584.32 | 176 | 1582.56 | 1.5 | 1576.30 |
| 06/11/19 | 398 | 40 | 1582.74 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 58 | 1580.75 | 19 | 1584.32 | 175 | 1582.57 | 1.5 | 1576.30 |
| 06/12/19 | 398 | 39 | 1582.75 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.76 | 18 | 1584.35 | 174 | 1582.57 | 1.5 | 1576.30 |
| 06/13/19 | 398 | 39 | 1582.75 | 150 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.79 | 19 | 1584.34 | 175 | 1582.57 | 1.5 | 1576.30 |
| 06/14/19 | 396 | 39 | 1582.74 | 150 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 56 | 1580.78 | 18 | 1584.35 | 176 | 1582.56 | 1.5 | 1576.30 |
| 06/15/19 | 396 | 40 | 1582.75 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.79 | 19 | 1584.35 | 175 | 1582.57 | 1.5 | 1576.30 |
| 06/16/19 | 396 | 39 | 1582.71 | 151 | 1582.33 | 19 | 1580.78 | 2.8 | 1579.22 | 57 | 1580.75 | 18 | 1584.32 | 176 | 1582.56 | 1.5 | 1576.30 |
| 06/17/19[2] | 396 | 39 | 1582.74 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.75 | 19 | 1584.35 | 176 | 1582.56 | 1.5 | 1576.30 |
| 06/18/19 | 396 | 39 | 1582.74 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.76 | 18 | 1584.38 | 175 | 1582.57 | 1.5 | 1576.30 |
| 06/19/19 | 397 | 39 | 1582.75 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 58 | 1580.73 | 19 | 1584.35 | 175 | 1582.57 | 1.5 | 1576.30 |
| 06/20/19 | 393 | 38 | 1582.76 | 151 | 1582.34 | 19 | 1580.79 | 2.7 | 1579.22 | 57 | 1580.75 | 18 | 1584.35 | 175 | 1582.57 | 1.5 | 1576.30 |
| 06/21/19 | 400 | 39 | 1582.76 | 150 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.75 | 19 | 1584.35 | 176 | 1582.56 | 1.5 | 1576.30 |
| 06/22/19 | 396 | 38 | 1582.75 | 151 | 1582.33 | 19 | 1580.78 | 2.7 | 1579.22 | 57 | 1580.72 | 18 | 1584.34 | 175 | 1582.56 | 1.5 | 1576.30 |
| 06/23/19 | 396 | 39 | 1582.75 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.21 | 57 | 1580.72 | 19 | 1584.38 | 176 | 1582.56 | 1.5 | 1576.30 |
| 06/24/19[2] | 396 | 39 | 1582.76 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.79 | 18 | 1584.35 | 176 | 1582.57 | 1.5 | 1576.30 |
| 06/25/19 | 396 | 39 | 1582.75 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.79 | 18 | 1584.35 | 175 | 1582.57 | 1.5 | 1576.30 |
| 06/26/19 | 397 | 38 | 1582.75 | 150 | 1582.34 | 19 | 1580.79 | 2.7 | 1579.21 | 57 | 1580.75 | 19 | 1584.35 | 174 | 1582.57 | 1.5 | 1576.30 |
| 06/27/19 | 397 | 39 | 1582.76 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.21 | 57 | 1580.73 | 18 | 1584.35 | 175 | 1582.57 | 1.5 | 1576.30 |
| 06/28/19 | 395 | 39 | 1582.76 | 150 | 1582.34 | 18 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.69 | 19 | 1584.35 | 175 | 1582.57 | 1.5 | 1576.30 |
| 06/29/19 | 396 | 38 | 1582.75 | 150 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.69 | 18 | 1584.35 | 176 | 1582.57 | 1.5 | 1576.30 |
| 06/30/19 | 395 | 39 | 1582.76 | 151 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.75 | 19 | 1584.35 | 176 | 1582.57 | 1.5 | 1576.30 |
| Monthly Average | 397 | 39 | 1582.75 | 150 | 1582.34 | 19 | 1580.79 | 2.8 | 1579.22 | 57 | 1580.69 | 18 | 1584.34 | 175 | 1582.56 | 1.5 | 1576.30 |
| Analytical[1] | | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc[3] (mg/L) | Date | Conc (mg/L) | Date |
| Perchlorate | | 24 | 6/18/2019 | 12 | 6/18/2019 | 200 | 6/18/2019 | 130 | 6/18/2019 | 190 | 6/18/2019 | 97 | 6/18/2019 | 84 | 6/18/2019 | 56 | 6/18/2019 |
| Hexavalent Chromium | | ND | 6/18/2019 | 0.0062 | 6/18/2019 | 0.34 | 6/18/2019 | 0.16 | 6/18/2019 | 0.62 | 6/18/2019 | 0.52 | 6/18/2019 | 0.086 | 6/18/2019 | 0.043 | 6/18/2019 |
| Total Chromium | | ND | 6/18/2019 | 0.0063 | 6/18/2019 | 0.34 | 6/18/2019 | 0.15 | 6/18/2019 | 0.63 | 6/18/2019 | 0.51 | 6/18/2019 | 0.089 | 6/18/2019 | 0.044 | 6/18/2019 |

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading.

ND = Not detected above laboratory method detection limit ($ClO_4$ = 0.5 ug/L; $ClO_3$ = 10 ug/L; $NO_3$-N= 0.055 mg/L, Cr(VI) = 0.25 ug/L).

ART-1, 2, 3, 4, 7B, and 8 have adjacent recovery wells, both of which can be used for extraction. The pumping well can be chosen manually or automatically, based on operational considerations. The wells with transducers are ART-1, -2, -3, -4, -7A, -8, -9, and PC-150.

1: Analytical results are reported from TestAmerica.

2: On 06/10, 06/17, and 06/24, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

3: Duplicates taken on 06/18 for well ART-8A; average ı nn

4: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 06/01-06/30 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | I-AR | | I-AA | | I-AB | | I-AC | | I-AD | | I-B | | I-C | | I-D | | I-E | | I-F | |
| | Flow[3,4] (gpm) | Water Elevation (ft amsl) | Flow[5,6] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow[7] (gpm) | Water Elevation (ft amsl) | Flow[7] (gpm) | Water Elevation (ft amsl) | Flow[7,10,11] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) |
| 06/01/19 | 0.14 | 1724.38 | 0.36 | 1717.86 | 0.00 | 1721.23 | 0.00 | 1725.70 | 0.00 | 1738.18 | 0.32 | 1714.97 | 3.3 | 1711.51 | 1.2 | 1720.45 | 1.4 | 1712.22 | 4.5 | 1717.72 |
| 06/02/19 | 0.14 | 1724.39 | 0.77 | 1718.20 | 0.00 | 1721.24 | 0.00 | 1725.61 | 0.00 | 1738.18 | 0.48 | 1714.96 | 3.4 | 1711.59 | 1.2 | 1720.60 | 1.4 | 1712.33 | 4.5 | 1717.75 |
| 06/03/19 | 0.14 | 1724.35 | 0.56 | 1717.92 | 0.00 | 1721.24 | 0.00 | 1725.51 | 0.00 | 1738.26 | 0.46 | 1715.11 | 3.3 | 1711.38 | 1.2 | 1720.71 | 1.4 | 1712.33 | 4.5 | 1717.77 |
| 06/04/19 | 0.14 | 1724.37 | 0.56 | 1717.14 | 0.00 | 1721.25 | 0.00 | 1725.45 | 0.00 | 1738.37 | 0.55 | 1715.15 | 3.3 | 1711.53 | 1.2 | 1720.58 | 1.4 | 1712.37 | 4.5 | 1717.79 |
| 06/05/19 | 0.08 | 1727.51 | 0.55 | 1718.22 | 0.00 | 1721.27 | 0.00 | 1725.41 | 0.00 | 1738.29 | 0.51 | 1715.68 | 3.3 | 1711.53 | 1.2 | 1720.51 | 1.3 | 1712.44 | 4.5 | 1717.82 |
| 06/06/19 | 0.21 | 1720.48 | 0.55 | 1718.31 | 0.00 | 1721.27 | 0.00 | 1725.32 | 0.00 | 1738.43 | 0.49 | 1715.93 | 3.2 | 1712.76 | 1.2 | 1721.07 | 1.3 | 1712.38 | 4.5 | 1717.85 |
| 06/07/19 | 0.33 | 1719.82 | 0.56 | 1718.21 | 0.00 | 1721.28 | 0.00 | 1725.24 | 0.00 | 1738.44 | 0.47 | 1715.98 | 3.3 | 1712.75 | 1.1 | 1720.94 | 1.3 | 1712.38 | 4.5 | 1717.87 |
| 06/08/19 | 0.34 | 1719.44 | 0.57 | 1718.23 | 0.00 | 1721.27 | 0.00 | 1725.13 | 0.00 | 1738.42 | 0.50 | 1716.25 | 3.3 | 1712.60 | 1.1 | 1721.01 | 1.4 | 1712.35 | 4.6 | 1717.89 |
| 06/09/19 | 0.34 | 1719.78 | 0.57 | 1717.99 | 0.00 | 1721.29 | 0.00 | 1725.07 | 0.00 | 1738.42 | 0.48 | 1716.36 | 3.3 | 1712.69 | 1.1 | 1720.98 | 1.4 | 1712.27 | 4.7 | 1717.91 |
| 06/10/19[2] | 0.34 | 1720.25 | 0.57 | 1717.77 | 0.00 | 1721.29 | 0.00 | 1725.04 | 0.00 | 1738.45 | 0.49 | 1716.40 | 3.3 | 1712.63 | 1.1 | 1720.93 | 1.3 | 1715.17 | 4.7 | 1717.95 |
| 06/11/19 | 0.30 | 1720.86 | 0.61 | 1717.80 | 0.00 | 1721.30 | 0.00 | 1725.04 | 0.00 | 1738.47 | 0.43 | 1716.30 | 3.3 | 1712.74 | 1.1 | 1721.00 | 1.0 | 1716.29 | 4.5 | 1717.99 |
| 06/12/19 | 0.29 | 1721.33 | 0.61 | 1717.65 | 0.00 | 1721.30 | 0.00 | 1725.06 | 0.00 | 1738.46 | 0.55 | 1716.23 | 3.3 | 1712.62 | 1.1 | 1721.00 | 0.91 | 1716.69 | 4.5 | 1718.04 |
| 06/13/19 | 0.17 | 1725.60 | 0.62 | 1717.92 | 0.04 | 1721.31 | 0.00 | 1725.03 | 0.00 | 1737.77 | 0.55 | 1716.69 | 3.0 | 1712.53 | 1.1 | 1720.70 | 0.74 | 1716.23 | 4.5 | 1718.06 |
| 06/14/19 | 0.07 | 1726.24 | 0.78 | 1712.90 | 0.00 | 1721.22 | 0.00 | 1724.96 | 0.00 | 1738.17 | 0.52 | 1716.14 | 3.0 | 1716.31 | 1.3 | 1721.21 | 0.74 | 1717.18 | 4.5 | 1718.13 |
| 06/15/19 | 0.07 | 1726.34 | 1.0 | 1713.27 | 0.00 | 1721.21 | 0.00 | 1724.96 | 0.00 | 1737.85 | 0.49 | 1715.98 | 3.7 | 1711.80 | 1.6 | 1720.37 | 0.78 | 1717.96 | 4.5 | 1718.18 |
| 06/16/19 | 0.07 | 1726.38 | 1.0 | 1713.32 | 0.00 | 1721.17 | 0.00 | 1724.90 | 0.00 | 1737.98 | 0.50 | 1715.37 | 3.5 | 1712.43 | 1.5 | 1720.72 | 0.65 | 1718.63 | 4.5 | 1718.23 |
| 06/17/19[2] | 0.07 | 1726.41 | 1.0 | 1713.22 | 0.00 | 1721.17 | 0.00 | 1724.88 | 0.00 | 1738.17 | 0.50 | 1717.09 | 3.6 | 1712.61 | 1.6 | 1720.96 | 0.71 | 1718.90 | 4.5 | 1718.28 |
| 06/18/19 | 0.06 | 1726.41 | 0.98 | 1713.38 | 0.00 | 1721.18 | 0.00 | 1724.87 | 0.00 | 1738.11 | 0.37 | 1717.19 | 3.7 | 1712.69 | 1.5 | 1721.01 | 0.54 | 1718.34 | 4.5 | 1718.34 |
| 06/19/19 | 0.06 | 1726.45 | 0.98 | 1713.30 | 0.00 | 1721.18 | 0.00 | 1724.88 | 0.00 | 1738.22 | 0.44 | 1717.14 | 3.6 | 1707.70 | 1.5 | 1721.08 | 0.51 | 1719.15 | 4.5 | 1718.40 |
| 06/20/19 | 0.07 | 1726.66 | 1.0 | 1712.97 | 0.00 | 1721.18 | 0.00 | 1724.87 | 0.00 | 1738.19 | 0.46 | 1716.84 | 3.6 | 1707.79 | 1.5 | 1721.11 | 0.50 | 1719.27 | 4.5 | 1718.47 |
| 06/21/19 | 0.07 | 1726.54 | 1.0 | 1713.07 | 0.00 | 1721.16 | 0.00 | 1724.82 | 0.00 | 1738.01 | 0.43 | 1716.71 | 3.6 | 1707.65 | 1.4 | 1721.06 | 0.48 | 1719.39 | 4.5 | 1718.52 |
| 06/22/19 | 0.07 | 1726.50 | 1.0 | 1713.04 | 0.00 | 1721.16 | 0.00 | 1724.75 | 0.00 | 1738.03 | 0.31 | 1716.74 | 3.7 | 1707.74 | 1.4 | 1721.24 | 0.47 | 1719.47 | 4.5 | 1718.56 |
| 06/23/19 | 0.06 | 1726.49 | 0.98 | 1713.27 | 0.00 | 1721.18 | 0.00 | 1724.76 | 0.00 | 1738.10 | 0.37 | 1716.92 | 3.7 | 1707.62 | 1.4 | 1721.23 | 0.44 | 1717.37 | 4.5 | 1718.65 |
| 06/24/19[2] | 0.07 | 1726.61 | 0.99 | 1713.32 | 0.00 | 1721.19 | 0.00 | 1724.81 | 0.00 | 1738.90 | 0.35 | 1716.91 | 3.7 | 1707.67 | 1.4 | 1721.17 | 0.46 | 1711.91 | 4.5 | 1718.72 |
| 06/25/19 | 0.05 | 1726.72 | 0.98 | 1713.28 | 0.00 | 1721.19 | 0.00 | 1724.77 | 0.00 | 1738.15 | 0.46 | 1716.88 | 3.6 | 1707.74 | 1.4 | 1721.21 | 0.84 | 1708.48 | 4.5 | 1718.72 |
| 06/26/19 | 0.05 | 1726.68 | 0.98 | 1713.36 | 0.02 | 1721.21 | 0.01 | 1724.82 | 0.04 | 1738.25 | 0.42 | 1716.83 | 3.7 | 1707.68 | 1.4 | 1721.20 | 0.93 | 1708.96 | 4.5 | 1718.73 |
| 06/27/19 | 0.05 | 1726.71 | 0.97 | 1713.37 | 0.00 | 1721.21 | 0.00 | 1724.82 | 0.00 | 1738.26 | 0.39 | 1716.63 | 3.7 | 1707.75 | 1.4 | 1721.17 | 0.84 | 1709.59 | 4.5 | 1718.77 |
| 06/28/19 | 0.05 | 1726.74 | 0.97 | 1713.38 | 0.00 | 1721.20 | 0.00 | 1724.82 | 0.00 | 1738.31 | 0.48 | 1716.65 | 3.6 | 1707.71 | 1.3 | 1721.38 | 0.80 | 1709.60 | 4.5 | 1718.80 |
| 06/29/19 | 0.05 | 1726.81 | 0.97 | 1713.36 | 0.00 | 1721.21 | 0.00 | 1724.80 | 0.00 | 1738.22 | 0.50 | 1716.79 | 3.6 | 1708.13 | 1.3 | 1721.38 | 0.78 | 1709.42 | 4.5 | 1718.84 |
| 06/30/19 | 0.05 | 1726.85 | 0.99 | 1713.37 | 0.00 | 1721.21 | 0.00 | 1724.79 | 0.00 | 1738.33 | 0.48 | 1716.67 | 3.6 | 1707.92 | 1.3 | 1721.13 | 0.76 | 1709.36 | 4.5 | 1718.88 |
| Monthly Average | 0.13 | 1724.80 | 0.80 | 1715.28 | 0.00 | 1721.23 | 0.00 | 1725.03 | 0.00 | 1738.25 | 0.46 | 1716.32 | 3.5 | 1710.59 | 1.3 | 1720.97 | 0.91 | 1714.28 | 4.5 | 1718.25 |
| Analytical[1] | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc[8,9] (mg/L) | Date | Conc[9] (mg/L) | Date | Conc[9] (mg/L) | Date | Conc[9] (mg/L) | Date |
| Perchlorate | 620 | 6/20/2019 | 42 | 6/20/2019 | 160 | 6/26/2019 | 240 | 6/26/2019 | 140 | 6/26/2019 | 170 | 6/20/2019 | 495 | 6/19/2019 | 420 | 6/19/2019 | 370 | 6/19/2019 | 490 | 6/19/2019 |
| Hexavalent Chromium | 0.049 | 6/20/2019 | 0.055 | 6/20/2019 | 0.014 | 6/26/2019 | 2.4 | 6/26/2019 | 1.3 | 6/26/2019 | 0.062 | 6/20/2019 | 2.4 | 6/24/2019 | 4.2 | 6/24/2019 | 5.5 | 6/24/2019 | 14 | 6/24/2019 |
| Total Chromium | 1.6 | 6/20/2019 | 0.079 | 6/20/2019 | 0.021 | 6/26/2019 | 2.3 | 6/26/2019 | 1.3 | 6/26/2019 | 0.058 | 6/20/2019 | 2.2 | 6/19/2019 | 3.9 | 6/19/2019 | 5.4 | 6/19/2019 | 12 | 6/19/2019 |

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading.

1: Analytical results are reported from TestAmerica.

2: On 06/10, 06/17, and 06/24, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

3: From 06/05-06/06, I-AR offline briefly to let wet well recharge.

4: From 06/12-06/30, I-AR cycling at a low flow naturally.

5: On 06/12, I-AA offline briefly due to instrument error.

6: On 06/24, I-AA offline briefly due to instrument error.

7: On 06/14, I-C, I-D, I-E, I-I, I-L, I-N, I-O, I-P, I-Q, I-U, and I-X adjusted to meet flow target as directed by the Trust.

8: Duplicates taken on 06/19 for well I-C; average of both values is presented and used for calculations.

9: Laboratory hold times were missed for Cr(VI) samples taken on 06/19. Wells I-C, I-D, I-E, I-F, I-G, I-H, I-M, I-N, I-O, I-P, I-Q, I-T, I-U, I-W, and I-X were resampled for Cr(VI) on 06/24.

10: On 06/10, I-E offline from 8:05 am to 10:51 am for motor replacement.

11: On 06/24, I-E, I-N, and I-U adjusted to meet flow target as directed by the Trust.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | I-G | | I-H | | I-I | | I-J | | I-K | | I-L | | I-M | | I-N | | I-O | | I-P | |
| | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow[7] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow[7] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow[7 11] (gpm) | Water Elevation (ft amsl) | Flow[7] (gpm) | Water Elevation (ft amsl) | Flow[7] (gpm) | Water Elevation (ft amsl) |
| 06/01/19 | 0.11 | 1715.82 | 1.1 | 1709.24 | 5.2 | 1721.15 | 6.2 | 1712.03 | 3.5 | 1709.35 | 0.68 | 1720.41 | 2.0 | 1719.56 | 2.7 | 1718.25 | 1.4 | 1718.27 | 1.8 | 1718.37 |
| 06/02/19 | 0.10 | 1716.01 | 0.99 | 1709.27 | 5.2 | 1721.15 | 6.2 | 1712.03 | 3.5 | 1709.98 | 0.65 | 1720.54 | 2.0 | 1719.57 | 2.7 | 1718.27 | 1.4 | 1718.42 | 1.8 | 1718.32 |
| 06/03/19 | 0.10 | 1716.01 | 0.97 | 1709.32 | 5.2 | 1721.15 | 6.2 | 1712.03 | 3.5 | 1709.17 | 0.64 | 1720.57 | 2.0 | 1719.60 | 2.7 | 1718.30 | 1.6 | 1717.98 | 1.8 | 1718.30 |
| 06/04/19 | 0.10 | 1715.93 | 0.98 | 1709.35 | 5.2 | 1721.15 | 6.2 | 1712.04 | 3.5 | 1709.27 | 0.64 | 1720.59 | 2.0 | 1719.64 | 2.7 | 1718.32 | 1.5 | 1717.97 | 1.9 | 1718.31 |
| 06/05/19 | 0.10 | 1715.92 | 0.97 | 1709.27 | 5.2 | 1721.17 | 6.1 | 1712.04 | 3.5 | 1709.99 | 0.65 | 1720.58 | 2.0 | 1719.68 | 2.7 | 1718.35 | 1.4 | 1718.23 | 1.8 | 1718.35 |
| 06/06/19 | 0.10 | 1715.77 | 0.97 | 1709.25 | 5.2 | 1721.17 | 6.1 | 1712.04 | 3.5 | 1709.61 | 0.65 | 1720.57 | 2.0 | 1719.63 | 2.6 | 1718.36 | 1.6 | 1718.36 | 1.7 | 1718.36 |
| 06/07/19 | 0.10 | 1715.98 | 1.0 | 1709.38 | 5.2 | 1721.17 | 6.1 | 1712.04 | 3.5 | 1709.71 | 0.64 | 1720.56 | 2.1 | 1719.68 | 2.6 | 1718.38 | 1.4 | 1718.67 | 1.6 | 1718.39 |
| 06/08/19 | 0.10 | 1716.02 | 0.99 | 1709.36 | 5.2 | 1721.14 | 6.1 | 1712.04 | 3.5 | 1709.58 | 0.65 | 1720.54 | 2.1 | 1719.70 | 2.6 | 1718.39 | 1.3 | 1718.34 | 1.7 | 1718.36 |
| 06/09/19 | 0.09 | 1716.19 | 1.0 | 1709.31 | 5.2 | 1721.14 | 6.1 | 1712.04 | 3.5 | 1709.88 | 0.65 | 1720.61 | 2.1 | 1719.80 | 2.8 | 1718.39 | 1.5 | 1718.49 | 1.8 | 1718.37 |
| 06/10/19[2] | 0.10 | 1716.31 | 1.0 | 1709.28 | 5.2 | 1721.15 | 6.1 | 1712.04 | 3.5 | 1709.29 | 0.65 | 1720.61 | 2.1 | 1719.87 | 2.7 | 1718.42 | 1.4 | 1718.80 | 1.7 | 1718.46 |
| 06/11/19 | 0.09 | 1716.43 | 1.0 | 1709.25 | 5.1 | 1721.17 | 6.2 | 1712.05 | 3.5 | 1710.00 | 0.66 | 1720.63 | 2.0 | 1719.95 | 2.7 | 1718.47 | 1.4 | 1719.02 | 1.7 | 1718.50 |
| 06/12/19 | 0.09 | 1716.50 | 1.0 | 1709.24 | 5.1 | 1721.19 | 6.2 | 1712.05 | 3.5 | 1710.12 | 0.67 | 1720.66 | 2.0 | 1720.00 | 2.6 | 1718.51 | 1.4 | 1719.16 | 1.6 | 1718.57 |
| 06/13/19 | 0.10 | 1714.69 | 1.0 | 1709.41 | 5.0 | 1721.21 | 6.2 | 1712.05 | 3.5 | 1710.25 | 0.64 | 1720.85 | 2.1 | 1719.72 | 2.7 | 1718.56 | 1.5 | 1719.22 | 1.6 | 1719.13 |
| 06/14/19 | 0.11 | 1715.13 | 1.0 | 1709.36 | 5.1 | 1721.25 | 6.2 | 1712.04 | 3.5 | 1709.31 | 0.78 | 1719.18 | 2.1 | 1719.89 | 2.9 | 1718.29 | 1.3 | 1720.53 | 1.6 | 1718.91 |
| 06/15/19 | 0.11 | 1715.72 | 1.0 | 1709.37 | 5.2 | 1721.31 | 6.2 | 1712.05 | 3.5 | 1709.66 | 1.0 | 1719.25 | 2.1 | 1719.93 | 3.2 | 1718.38 | 0.60 | 1720.66 | 1.7 | 1719.30 |
| 06/16/19 | 0.10 | 1715.78 | 1.0 | 1709.41 | 5.2 | 1721.34 | 6.2 | 1712.05 | 3.5 | 1710.09 | 0.96 | 1719.15 | 2.0 | 1719.98 | 3.1 | 1718.44 | 0.60 | 1720.68 | 1.6 | 1719.43 |
| 06/17/19[2] | 0.11 | 1715.80 | 1.0 | 1709.53 | 5.2 | 1721.36 | 6.3 | 1712.05 | 3.5 | 1710.17 | 0.98 | 1719.17 | 2.1 | 1720.12 | 3.2 | 1718.51 | 0.60 | 1720.75 | 1.7 | 1719.56 |
| 06/18/19 | 0.10 | 1715.85 | 1.1 | 1709.55 | 5.1 | 1721.39 | 6.2 | 1712.05 | 3.5 | 1709.18 | 0.94 | 1719.35 | 1.9 | 1720.20 | 3.0 | 1718.58 | 0.53 | 1720.81 | 1.6 | 1719.68 |
| 06/19/19 | 0.10 | 1715.96 | 1.1 | 1709.47 | 5.1 | 1721.43 | 6.2 | 1712.05 | 3.5 | 1710.32 | 0.93 | 1719.39 | 1.9 | 1720.31 | 3.0 | 1718.67 | 0.49 | 1720.83 | 1.5 | 1719.92 |
| 06/20/19 | 0.09 | 1716.10 | 1.1 | 1709.47 | 5.0 | 1721.46 | 6.3 | 1712.05 | 3.5 | 1709.19 | 0.93 | 1719.35 | 1.9 | 1720.38 | 2.9 | 1718.74 | 0.50 | 1720.88 | 1.4 | 1720.04 |
| 06/21/19 | 0.09 | 1716.18 | 1.1 | 1709.53 | 5.1 | 1721.46 | 6.3 | 1712.05 | 3.5 | 1710.07 | 0.93 | 1719.33 | 1.9 | 1720.43 | 2.9 | 1718.78 | 0.50 | 1720.90 | 1.4 | 1720.14 |
| 06/22/19 | 0.09 | 1716.24 | 1.2 | 1709.54 | 5.2 | 1721.46 | 6.2 | 1712.05 | 3.5 | 1709.54 | 0.92 | 1719.32 | 1.8 | 1720.50 | 2.9 | 1718.85 | 0.51 | 1720.91 | 1.5 | 1720.20 |
| 06/23/19 | 0.09 | 1716.40 | 1.2 | 1709.53 | 5.2 | 1721.50 | 6.3 | 1712.05 | 3.5 | 1709.20 | 0.94 | 1719.41 | 1.8 | 1720.50 | 2.8 | 1718.91 | 0.46 | 1720.95 | 1.5 | 1720.27 |
| 06/24/19[2] | 0.09 | 1716.49 | 1.2 | 1709.62 | 5.2 | 1721.53 | 6.3 | 1712.05 | 3.5 | 1709.20 | 0.93 | 1719.44 | 1.8 | 1720.66 | 2.9 | 1718.97 | 0.49 | 1720.99 | 1.5 | 1720.32 |
| 06/25/19 | 0.08 | 1716.57 | 1.2 | 1709.58 | 5.1 | 1721.55 | 6.3 | 1712.05 | 3.5 | 1709.78 | 0.93 | 1719.40 | 1.8 | 1720.68 | 3.3 | 1718.62 | 0.44 | 1721.00 | 1.3 | 1720.36 |
| 06/26/19 | 0.08 | 1716.63 | 1.2 | 1709.41 | 5.1 | 1721.55 | 6.3 | 1712.05 | 3.5 | 1709.16 | 0.94 | 1719.39 | 1.7 | 1720.73 | 3.5 | 1718.66 | 0.49 | 1721.02 | 1.4 | 1720.38 |
| 06/27/19 | 0.08 | 1716.77 | 1.2 | 1709.61 | 5.1 | 1721.57 | 6.3 | 1712.05 | 3.5 | 1710.09 | 0.92 | 1719.58 | 1.7 | 1720.76 | 3.3 | 1718.71 | 0.49 | 1721.04 | 1.4 | 1720.41 |
| 06/28/19 | 0.08 | 1716.85 | 1.2 | 1709.54 | 5.1 | 1721.58 | 6.3 | 1712.05 | 3.5 | 1710.12 | 0.93 | 1719.47 | 1.7 | 1720.81 | 3.3 | 1718.77 | 0.42 | 1721.05 | 1.3 | 1720.46 |
| 06/29/19 | 0.08 | 1716.86 | 1.2 | 1709.63 | 5.2 | 1721.59 | 6.3 | 1712.05 | 3.5 | 1710.03 | 0.94 | 1719.43 | 1.7 | 1720.84 | 3.2 | 1718.81 | 0.40 | 1721.08 | 1.3 | 1720.50 |
| 06/30/19 | 0.08 | 1716.86 | 1.2 | 1709.57 | 5.2 | 1721.60 | 6.3 | 1712.05 | 3.5 | 1709.52 | 0.94 | 1719.53 | 1.7 | 1720.87 | 3.2 | 1718.83 | 0.40 | 1721.11 | 1.3 | 1720.54 |
| Monthly Average | 0.095 | 1716.13 | 1.1 | 1709.42 | 5.1 | 1721.33 | 6.2 | 1712.05 | 3.5 | 1709.69 | 0.81 | 1719.90 | 1.9 | 1720.13 | 2.9 | 1718.55 | 0.93 | 1719.87 | 1.6 | 1719.34 |
| Analytical[1] | Conc[9] (mg/L) | Date | Conc[9] (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc[9] (mg/L) | Date | Conc[9] (mg/L) | Date | Conc[9] (mg/L) | Date | Conc[9] (mg/L) | Date |
| Perchlorate | 1,100 | 6/19/2019 | 880 | 6/19/2019 | 640 | 6/20/2019 | 260 | 6/20/2019 | 210 | 6/20/2019 | 280 | 6/20/2019 | 550 | 6/19/2019 | 350 | 6/19/2019 | 720 | 6/19/2019 | 800 | 6/19/2019 |
| Hexavalent Chromium | 19 | 6/24/2019 | 15 | 6/24/2019 | 8.2 | 6/20/2019 | 3.6 | 6/20/2019 | 2.1 | 6/20/2019 | 0.48 | 6/20/2019 | 5.2 | 6/24/2019 | 5.2 | 6/24/2019 | 17 | 6/24/2019 | 15 | 6/24/2019 |
| Total Chromium | 18 | 6/19/2019 | 13 | 6/19/2019 | 8.9 | 6/20/2019 | 3.7 | 6/20/2019 | 2.2 | 6/20/2019 | 0.47 | 6/20/2019 | 5.4 | 6/19/2019 | 4.5 | 6/19/2019 | 13 | 6/19/2019 | 12 | 6/19/2019 |

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading.

1: Analytical results are reported from TestAmerica.

2: On 06/10, 06/17, and 06/24, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

7: On 06/14, I-C, I-D, I-E, I-I, I-L, I-N, I-O, I-P, I-Q, I-U, and I-X adjusted to meet flow target as directed by the Trust.

9: Laboratory hold times were missed for Cr(VI) samples taken on 06/19. Wells I-C, I-D, I-E, I-F, I-G, I-H, I-M, I-N, I-O, I-P, I-Q, I-T, I-U, I-W, and I-X were resampled for Cr(VI) on 06/24.

11: On 06/24, I-E, I-N, and I-U adjusted to meet flow target as directed by the Trust.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | I-Q | | I-R | | I-S | | I-T | | I-U | | I-V | | I-W | | I-X | | I-Y | | I-Z | |
| | Flow[7] (gpm) | Water Elevation (ft amsl) | Flow[12] (gpm) | Water Elevation (ft amsl) | Flow[12 13] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow[7 11] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow[7] (gpm) | Water Elevation (ft amsl) | Flow[14] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation[15] (ft amsl) |
| 06/01/19 | 0.16 | 1718.22 | 0.69 | 1717.66 | 3.9 | 1705.77 | 0.50 | 1707.82 | 0.56 | 1713.53 | 4.3 | 1718.14 | 0.65 | 1700.39 | 4.2 | 1706.92 | 1.5 | 1714.74 | 7.0 | < 1707.89 |
| 06/02/19 | 0.19 | 1716.62 | 0.70 | 1717.69 | 3.9 | 1705.77 | 0.50 | 1707.82 | 0.57 | 1713.38 | 4.4 | 1718.14 | 0.65 | 1700.55 | 4.2 | 1707.50 | 1.5 | 1714.39 | 7.1 | < 1707.89 |
| 06/03/19 | 0.41 | 1716.47 | 0.73 | 1717.71 | 3.9 | 1705.78 | 0.50 | 1707.82 | 0.57 | 1713.40 | 4.4 | 1718.14 | 0.64 | 1700.43 | 4.2 | 1707.95 | 1.5 | 1714.49 | 7.1 | < 1707.89 |
| 06/04/19 | 0.41 | 1716.43 | 0.70 | 1717.73 | 3.9 | 1705.77 | 0.50 | 1707.83 | 0.56 | 1713.66 | 4.4 | 1718.15 | 0.64 | 1700.85 | 4.2 | 1708.52 | 1.5 | 1714.45 | 6.8 | < 1707.89 |
| 06/05/19 | 0.41 | 1716.49 | 0.70 | 1717.79 | 3.9 | 1705.78 | 0.50 | 1707.83 | 0.56 | 1713.70 | 4.4 | 1718.19 | 0.65 | 1700.66 | 4.2 | 1708.35 | 1.5 | 1714.75 | 6.9 | < 1707.89 |
| 06/06/19 | 0.41 | 1716.56 | 0.69 | 1717.81 | 3.9 | 1705.77 | 0.50 | 1707.83 | 0.56 | 1713.71 | 4.4 | 1718.19 | 0.63 | 1700.54 | 4.2 | 1709.04 | 1.5 | 1712.32 | 7.0 | < 1707.89 |
| 06/07/19 | 0.40 | 1716.58 | 0.70 | 1717.82 | 3.9 | 1705.77 | 0.50 | 1707.83 | 0.55 | 1713.68 | 4.4 | 1718.21 | 0.60 | 1700.47 | 4.2 | 1709.29 | 1.5 | 1712.51 | 6.9 | < 1707.89 |
| 06/08/19 | 0.41 | 1716.55 | 0.73 | 1717.83 | 3.9 | 1705.77 | 0.50 | 1707.82 | 0.53 | 1713.75 | 4.2 | 1718.15 | 0.64 | 1700.49 | 4.2 | 1709.53 | 1.5 | 1711.30 | 6.9 | < 1707.89 |
| 06/09/19 | 0.41 | 1716.57 | 0.68 | 1717.89 | 3.9 | 1705.77 | 0.48 | 1707.82 | 0.53 | 1713.73 | 4.2 | 1718.13 | 0.65 | 1700.56 | 4.2 | 1709.65 | 1.5 | 1712.31 | 7.1 | < 1707.89 |
| 06/10/19[2] | 0.41 | 1716.60 | 0.71 | 1717.88 | 3.9 | 1705.77 | 0.49 | 1707.82 | 0.53 | 1714.20 | 4.2 | 1718.16 | 0.65 | 1700.43 | 4.2 | 1710.26 | 1.5 | 1711.78 | 7.0 | < 1707.89 |
| 06/11/19 | 0.40 | 1716.63 | 0.68 | 1717.89 | 4.0 | 1705.80 | 0.50 | 1707.82 | 0.52 | 1714.19 | 4.3 | 1718.20 | 0.65 | 1700.65 | 4.3 | 1710.88 | 1.5 | 1712.35 | 7.1 | < 1707.89 |
| 06/12/19 | 0.40 | 1716.64 | 0.69 | 1717.90 | 4.0 | 1705.78 | 0.50 | 1707.82 | 0.54 | 1713.95 | 4.3 | 1718.27 | 0.58 | 1700.59 | 4.3 | 1711.45 | 1.5 | 1711.33 | 7.1 | < 1707.89 |
| 06/13/19 | 0.38 | 1716.95 | 0.78 | 1717.72 | 3.5 | 1705.98 | 0.50 | 1707.83 | 0.59 | 1712.59 | 4.3 | 1718.32 | 0.53 | 1700.63 | 4.3 | 1711.84 | 1.5 | 1711.43 | 7.0 | < 1707.89 |
| 06/14/19 | 0.44 | 1716.21 | 1.0 | 1716.22 | 4.2 | 1705.97 | 0.50 | 1707.82 | 0.70 | 1709.06 | 4.3 | 1718.50 | 0.56 | 1700.27 | 4.1 | 1713.60 | 1.4 | 1709.95 | 7.0 | < 1707.89 |
| 06/15/19 | 0.46 | 1715.99 | 1.2 | 1716.10 | 4.1 | 1705.97 | 0.49 | 1707.82 | 0.76 | 1710.24 | 4.4 | 1718.67 | 0.63 | 1700.12 | 3.8 | 1713.75 | 0.68 | 1716.35 | 7.1 | < 1707.89 |
| 06/16/19 | 0.48 | 1715.86 | 1.1 | 1716.10 | 4.0 | 1705.96 | 0.50 | 1707.82 | 0.73 | 1711.07 | 4.4 | 1718.75 | 0.63 | 1700.22 | 3.7 | 1713.93 | 1.2 | 1716.22 | 7.0 | < 1707.89 |
| 06/17/19[2] | 0.47 | 1715.68 | 1.2 | 1716.01 | 4.0 | 1705.97 | 0.50 | 1707.82 | 0.74 | 1711.38 | 4.4 | 1718.80 | 0.63 | 1700.30 | 3.8 | 1714.05 | 1.2 | 1712.53 | 7.1 | < 1707.89 |
| 06/18/19 | 0.49 | 1715.75 | 1.1 | 1716.12 | 3.9 | 1705.97 | 0.50 | 1707.83 | 0.68 | 1711.56 | 4.3 | 1718.87 | 0.65 | 1700.13 | 3.7 | 1714.17 | 1.2 | 1712.66 | 7.1 | < 1707.89 |
| 06/19/19 | 0.49 | 1715.98 | 1.1 | 1716.17 | 3.9 | 1705.97 | 0.50 | 1707.83 | 0.67 | 1711.73 | 4.3 | 1718.94 | 0.58 | 1700.19 | 3.7 | 1714.28 | 1.2 | 1712.43 | 7.1 | < 1707.89 |
| 06/20/19 | 0.47 | 1716.15 | 1.1 | 1716.01 | 3.9 | 1705.98 | 0.50 | 1707.82 | 0.66 | 1712.49 | 4.3 | 1719.02 | 0.58 | 1700.12 | 3.7 | 1714.41 | 1.3 | 1712.81 | 7.1 | < 1707.89 |
| 06/21/19 | 0.47 | 1716.19 | 1.2 | 1716.04 | 3.9 | 1705.95 | 0.50 | 1707.82 | 0.63 | 1712.68 | 4.3 | 1719.03 | 0.61 | 1699.72 | 3.7 | 1714.50 | 1.3 | 1712.56 | 7.1 | < 1707.89 |
| 06/22/19 | 0.47 | 1716.23 | 1.2 | 1716.11 | 3.9 | 1705.88 | 0.50 | 1707.81 | 0.61 | 1713.93 | 4.4 | 1719.04 | 0.68 | 1700.44 | 3.6 | 1714.58 | 1.3 | 1716.06 | 7.1 | < 1707.89 |
| 06/23/19 | 0.47 | 1716.32 | 1.1 | 1716.22 | 3.9 | 1705.90 | 0.50 | 1707.85 | 0.56 | 1714.10 | 4.4 | 1719.10 | 0.70 | 1706.33 | 3.7 | 1714.69 | 1.3 | 1716.05 | 7.2 | < 1707.89 |
| 06/24/19[2] | 0.47 | 1716.01 | 1.2 | 1716.23 | 3.9 | 1705.00 | 0.50 | 1707.83 | 0.58 | 1714.09 | 4.4 | 1719.16 | 0.69 | 1700.39 | 3.7 | 1714.79 | 1.3 | 1715.63 | 7.2 | < 1707.89 |
| 06/25/19 | 0.50 | 1716.10 | 1.2 | 1716.23 | 3.9 | 1705.00 | 0.51 | 1707.82 | 0.72 | 1710.26 | 4.3 | 1719.19 | 0.67 | 1700.42 | 3.7 | 1714.76 | 1.3 | 1715.86 | 7.1 | < 1707.89 |
| 06/26/19 | 0.49 | 1716.19 | 1.2 | 1716.25 | 3.9 | 1705.00 | 0.50 | 1707.83 | 0.73 | 1711.01 | 4.3 | 1719.21 | 0.65 | 1700.42 | 3.7 | 1714.74 | 1.3 | 1715.88 | 7.2 | < 1707.89 |
| 06/27/19 | 0.48 | 1716.33 | 1.1 | 1716.27 | 3.9 | 1705.97 | 0.51 | 1707.82 | 0.70 | 1711.77 | 4.3 | 1719.23 | 0.63 | 1700.42 | 3.7 | 1714.83 | 1.2 | 1716.08 | 7.2 | < 1707.89 |
| 06/28/19 | 0.48 | 1716.32 | 1.1 | 1716.27 | 4.0 | 1705.98 | 0.51 | 1707.83 | 0.66 | 1712.37 | 4.3 | 1719.25 | 0.61 | 1700.58 | 3.6 | 1714.89 | 1.2 | 1717.07 | 7.2 | < 1707.89 |
| 06/29/19 | 0.52 | 1715.94 | 1.1 | 1716.29 | 4.0 | 1705.99 | 0.51 | 1707.83 | 0.64 | 1712.72 | 4.4 | 1719.27 | 0.59 | 1701.53 | 3.6 | 1714.95 | 1.2 | 1716.17 | 7.2 | < 1707.89 |
| 06/30/19 | 0.51 | 1716.14 | 1.2 | 1716.35 | 4.0 | 1705.98 | 0.51 | 1707.83 | 0.63 | 1712.88 | 4.4 | 1719.30 | 0.65 | 1701.23 | 3.7 | 1715.02 | 1.2 | 1716.06 | 7.2 | < 1707.89 |
| Monthly Average | 0.43 | 1716.36 | 0.95 | 1716.88 | 3.9 | 1705.79 | 0.50 | 1707.82 | 0.62 | 1712.69 | 4.4 | 1718.66 | 0.63 | 1700.67 | 3.9 | 1712.24 | 1.3 | 1713.95 | 7.1 | < 1707.89 |
| Analytical[1] | Conc[9] (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc[9] (mg/L) | Date | Conc[9] (mg/L) | Date | Conc (mg/L) | Date | Conc[9] (mg/L) | Date | Conc[9] (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date |
| Perchlorate | 700 | 6/19/2019 | 710 | 6/20/2019 | 340 | 6/20/2019 | 1,200 | 6/19/2019 | 1,200 | 6/19/2019 | 740 | 6/20/2019 | 700 | 6/19/2019 | 630 | 6/19/2019 | 520 | 6/20/2019 | 250 | 6/20/2019 |
| Hexavalent Chromium | 16 | 6/24/2019 | 0.33 | 6/20/2019 | 0.73 | 6/20/2019 | 18 | 6/24/2019 | 18 | 6/24/2019 | 11 | 6/20/2019 | 16 | 6/24/2019 | 7.6 | 6/24/2019 | 0.53 | 6/20/2019 | 6.8 | 6/20/2019 |
| Total Chromium | 14 | 6/19/2019 | 0.35 | 6/20/2019 | 0.70 | 6/20/2019 | 17 | 6/19/2019 | 16 | 6/19/2019 | 11 | 6/20/2019 | 12 | 6/19/2019 | 6.8 | 6/19/2019 | 0.51 | 6/20/2019 | 7.0 | 6/20/2019 |

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading.

1: Analytical results are reported from TestAmerica.

2: On 06/10, 06/17, and 06/24, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

7: On 06/14, I-C, I-D, I-E, I-I, I-L, I-N, I-O, I-P, I-Q, I-U, and I-X adjusted to meet flow target as directed by the Trust.

9: Laboratory holding times were missed for Cr(VI) samples taken on 06/19. Wells I-C, I-D, I-E, I-F, I-G, I-H, I-M, I-N, I-O, I-P, I-Q, I-T, I-U, I-W, and I-X were resampled for Cr(VI) on 06/24.

11: On 06/24, I-E, I-N, and I-U adjusted to meet flow target as directed by the Trust.

12: On 06/15, I-R and I-S adjusted to meet flow target as directed by the Trust.

13: On 06/27, I-S transducer pulled and inspected for maintenance.

14: From 06/14 - 06/15, I-Y offline from 9:45 pm to 9:41 am due to motor replacement.

15: A "<" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | LS #2 | GWTP Effluent[1] | | | | GW-11 Influent[1] | | | | FBR Plant Influent[1] | | | | | | |
| | Flow (gpm) | Flow (gpm) | TA - Cr (TR) (mg/L) | TA - Cr (VI) (mg/L) | TA - $ClO_4$ (mg/L) | Flow[4] (gpm) | TA - Cr (TR) (mg/L) | TA - Cr (VI) (mg/L) | TA - $ClO_4$ (mg/L) | Flow[4 5] (gpm) | TA - $ClO_4$ (mg/L) | ETI - $ClO_4$ (mg/L) | TA - $ClO_3$ (mg/L) | TA - $NO_3$ - N (mg/L) | TA - Cr (TR) (mg/L) | TA - Cr (VI) (mg/L) |
| 06/01/19 | 939 | 60 | | | | 0.00 | | | | 1,026 | 130 | 110 | | | | |
| 06/02/19 | 940 | 60 | | | | 0.00 | | | | 1,052 | | 118 | | | | |
| 06/03/19 | 939 | 60 | | | | 6.0 | 0.60 | 0.020 | 73 | 1,026 | | 109 | 120 | 7.9 | 0.036 | 0.029 |
| 06/04/19 | 939 | 60 | | | | 0.00 | | | | 1,010 | | 120 | | | | |
| 06/05/19 | 930 | 60 | 0.13 | ND | 510 | 0.00 | | | | 1,042 | | 120 | | | | |
| 06/06/19 | 949 | 60 | | | | 0.00 | | | | 1,031 | | 122 | | | | |
| 06/07/19 | 948 | 60 | | | | 0.00 | | | | 1,026 | | 124 | | | | |
| 06/08/19 | 940 | 60 | | | | 0.00 | | | | 1,021 | 130 | 124 | | | | |
| 06/09/19 | 940 | 60 | | | | 0.00 | | | | 1,000 | | 108 | | | | |
| 06/10/19[3] | 940 | 60 | | | | 0.00 | | | | 1,001 | | 145 | | 11 | 0.027 | 0.024 |
| 06/11/19 | 941 | 60 | | | | 0.00 | | | | 1,001 | | 140 | | | | |
| 06/12/19 | 940 | 60 | 0.072 | ND | 590 | 0.00 | | | | 1,001 | | 127 | | | | |
| 06/13/19 | 949 | 60 | | | | 0.00 | | | | 1,009 | | 129 | | | | |
| 06/14/19 | 940 | 61 | | | | 0.00 | | | | 1,001 | | 132 | | | | |
| 06/15/19 | 938 | 60 | | | | 0.00 | | | | 999 | 150 | 132 | | | | |
| 06/16/19 | 940 | 61 | | | | 0.00 | | | | 1,001 | | 127 | | | | |
| 06/17/19[3] | 939 | 60 | | | | 0.00 | | | | 999 | | 127 | | 9.9 | 0.022 | 0.019 |
| 06/18/19 | 940 | 60 | | | | 0.00 | | | | 999 | | 131 | | | | |
| 06/19/19 | 940 | 77 | 0.17 | ND H | 560 | 0.00 | | | | 1,017 | | 134 | | | | |
| 06/20/19 | 932 | 77 | | | | 0.00 | | | | 1,008 | | 119 | | | | |
| 06/21/19 | 947 | 59 | | | | 0.00 | | | | 1,006 | | 117 | | | | |
| 06/22/19 | 939 | 60 | | | | 0.00 | | | | 999 | 160 | 121 | | | | |
| 06/23/19 | 938 | 60 | | | | 0.00 | | | | 998 | | 111 | | | | |
| 06/24/19[3] | 939 | 60 | | | | 0.00 | | | | 999 | | 49 | | | 0.016 | 0.011 |
| 06/25/19 | 939 | 61 | | | | 0.00 | | | | 999 | | 52 | | | | |
| 06/26/19 | 940 | 61 | 0.18 | ND H | 490 | 0.00 | | | | 1,001 | | 71 | | | | |
| 06/27/19 | 947 | 61 | | | | 0.00 | | | | 1,007 | | 86 | | | | |
| 06/28/19 | 937 | 61 | | | | 0.00 | | | | 998 | | 70 | | | | |
| 06/29/19 | 938 | 61 | | | | 0.00 | | | | 999 | 110 | 77 | | | | |
| 06/30/19 | 938 | 60 | | | | 0.00 | | | | 998 | | 81 | | | | |
| Monthly Average[2] | 940 | 61 | 0.14 | ND | 535 | 0.20 | 0.600 | 0.020 | 73 | 1,009 | 138 | 111 | 120 | 6.5 | 0.024 | 0.020 |

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.

ND = Not detected above laboratory method detection limit ($ClO_4$ = 0.5 ug/L; $ClO_3$ = 10 ug/L; $NO_3$-N= 0.055 mg/L, Cr(VI) = 0.25 ug/L).

H = Sample was prepped or analyzed beyond the specified holding time.

1: ETI = Envirogen internal process control data, TA = TestAmerica data.

2: All average concentrations reported are monthly flow weighted averages.

3: On 06/10, 06/17, and 06/24, the LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 06/01 to 06/30 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.

5: From 06/01 to 06/30, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 1st Stage FBR[6] | | | 2nd Stage FBR[6] | | | FBR Plant Effluent[1] | | | | | | | |
| | Flow (gpm) | pH (s.u.) | ORP (mV) | Flow (gpm) | pH (s.u.) | ORP (mV) | Flow[7] (gpm) | TA - $ClO_4$ (mg/L) | ETI - $ClO_4$ (mg/L) | TA - $ClO_3$ (mg/L) | TA - Cr (TR) (mg/L) | TA - Cr (VI)[8] (mg/L) | TA - $NO_3$ - N (mg/L) | ETI - Turbidity (NTU) |
| 06/01/19 | 1,089 | 6.4 | -355 | 754 | 6.4 | -387 | 1,021 | ND | ND | | | | | 17 |
| 06/02/19 | 1,087 | 6.4 | -305 | 933 | 6.4 | -398 | 1,080 | | ND | | | | | 25 |
| 06/03/19 | 1,098 | 6.4 | -294 | 918 | 6.3 | -401 | 1,080 | | ND | 0.022 J | ND | ND | ND | 20 |
| 06/04/19 | 1,104 | 6.4 | -325 | 795 | 6.4 | -406 | 1,058 | | ND | | | | | 31 |
| 06/05/19 | 1,108 | 6.4 | -299 | 959 | 6.5 | -408 | 1,088 | | ND | | | | | 28 |
| 06/06/19 | 1,081 | 6.4 | -316 | 790 | 6.3 | -390 | 1,063 | | ND | | | | | 14 |
| 06/07/19 | 1,096 | 6.4 | -312 | 860 | 6.2 | -395 | 1,088 | | ND | | | | | 30 |
| 06/08/19 | 1,086 | 6.4 | -360 | 676 | 6.1 | -402 | 1,083 | ND | ND | | | | | 21 |
| 06/09/19 | 1,091 | 6.4 | -339 | 952 | 6.1 | -406 | 1,060 | | ND | | | | | 30 |
| 06/10/19 | 860 | 6.4 | -345 | 903 | 6.1 | -409 | 980 | | ND | | 0.0053 | 0.0060 H | ND | 44 |
| 06/11/19 | 1,052 | 6.4 | -383 | 930 | 6.2 | -407 | 1,015 | | ND | | | | | 21 |
| 06/12/19 | 1,021 | 6.4 | -396 | 816 | 6.3 | -409 | 991 | | ND | | | | | 21 |
| 06/13/19 | 1,045 | 6.4 | -382 | 754 | 6.3 | -411 | 1,024 | | ND | | | | | 21 |
| 06/14/19 | 1,033 | 6.4 | -380 | 823 | 6.1 | -388 | 1,026 | | ND | | | | | 20 |
| 06/15/19 | 1,011 | 6.4 | -377 | 941 | 6.2 | -400 | 1,015 | ND | ND | | | | | 21 |
| 06/16/19 | 1,015 | 6.4 | -351 | 839 | 6.0 | -403 | 1,000 | | ND | | | | | 28 |
| 06/17/19 | 1,012 | 6.4 | -380 | 805 | 6.1 | -408 | 995 | | ND | | 0.0045 J | ND | ND | 30 |
| 06/18/19 | 1,006 | 6.4 | -380 | 871 | 6.1 | -408 | 992 | | ND | | | | | 40 |
| 06/19/19 | 998 | 6.4 | -394 | 866 | 6.2 | -411 | 996 | | ND | | | | | 27 |
| 06/20/19 | 990 | 6.4 | -411 | 974 | 6.1 | -413 | 980 | | ND | | | | | 51 |
| 06/21/19 | 971 | 6.4 | -416 | 936 | 6.0 | -414 | 954 | | ND | | | | | 33 |
| 06/22/19 | 954 | 6.4 | -418 | 911 | 6.0 | -415 | 951 | ND | ND | | | | | 29 |
| 06/23/19 | 990 | 6.4 | -424 | 834 | 6.1 | -415 | 981 | | ND | | | | | 48 |
| 06/24/19 | 1,018 | 6.4 | -336 | 565 | 6.2 | -418 | 924 | | ND | | 0.0038 J | ND | ND | 19 |
| 06/25/19 | 982 | 6.5 | -410 | 802 | 6.3 | -422 | 1,013 | | ND | | | | | 25 |
| 06/26/19 | 1,002 | 6.5 | -340 | 718 | 6.3 | -427 | 1,036 | | ND | | | | | 26 |
| 06/27/19 | 1,030 | 6.5 | -388 | 958 | 6.3 | -427 | 1,018 | | ND | | | | | 22 |
| 06/28/19 | 1,033 | 6.5 | -391 | 746 | 6.2 | -415 | 1,018 | | ND | | | | | 27 |
| 06/29/19 | 1,024 | 6.5 | -398 | 874 | 6.2 | -413 | 1,023 | ND | ND | | | | | 25 |
| 06/30/19 | 1,016 | 6.5 | -399 | 882 | 6.1 | -420 | 1,000 | | ND | | | | | 28 |
| Monthly Average[2] | 1,030 | 6.4 | -366 | 846 | 6.2 | -408 | 1,018 | ND | ND | 0.022 | 0.0035 | 0.001422 | ND | 27 |

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.

ND = Not detected above laboratory method detection limit ($ClO_4$ = 0.5 ug/L; $ClO_3$ = 10 ug/L; $NO_3$-N= 0.055 mg/L, Cr(VI) = 0.25 ug/L).

H = Sample was prepped or analyzed beyond the specified holding time.

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

1: ETI = Envirogen internal process control data, TA = TestAmerica data.

2: All average concentrations reported are monthly flow weighted averages.

6: For 1st and 2nd stage FBRs, flow measurements are collected from the influent lines and pH and ORP samples are collected from the recycle lines.

7: FBR Plant Effluent represents effluent discharged to Las Vegas Wash. While this may represent the entirety of the FBR Plant effluent, any diversions to GW-11 are subtracted from the original effluent flow.

8: The Cr(VI) sample taken on 06/10 was reanalyzed by TestAmerica beyond laboratory holding time, due to possible incomplete injection in the initial analysis. The average of both values is presented and used for calculations.

| GW-11 Level Monitoring[1] | | |
|---|---|---|
| Date | Field Measurement (ft) | Volume (MG) |
| 06/15/19 | 29.5 | 37.2 |
| 06/30/19 | 29.5 | 37.2 |

| GW-11 Leak Detection Monitoring | | | | |
|---|---|---|---|---|
| Date | Amount Pumped[2] (gallons) | | | |
| | NW Corner | NE Corner | SW Corner | SE Corner |
| 06/12/19 | 0 | 3,612 | 685 | 0 |
| 06/26/19 | 0 | 1,434 | 680 | 0 |

| GW-11 Composite Sample[3] | | |
|---|---|---|
| Analytes | Concentration | Units |
| Perchlorate | 27 | mg/L |
| Chlorate | 75 | mg/L |
| Ammonia as N | 0.36 | mg/L |
| Total Phosphorus | ND | mg/L |
| Total Dissolved Solids (TDS) | 9,000 | mg/L |
| Total Suspended Solids (TSS) | 15 | mg/L |
| pH | 8.5 HF | s.u. |
| Calcium | 400 | mg/L |
| Iron | 0.16 | mg/L |
| Chromium (total) | 0.027 | mg/L |
| Chromium VI | 0.0018 | mg/L |
| Chloride | 2,900 | mg/L |
| Nitrate as N | ND | mg/L |
| Sulfate | 2,600 | mg/L |

Notes:

HF = Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

ND = Not detected above laboratory method detection limit ($NH_3$-N= 0.1 mg/L; Total P = 0.025 ug/L; Cr(VI) = 0.25 ug/L).

1: A transducer installed along the eastern berm provides water pressure measurements that are correlated to elevations for calculation of water depths. Results from a December 2018 bathymetric survey of the pond will be used to identify adjustment to the procedure, if necessary.

2: Pumping occurs over three consecutive days. The total amount pumped over the three day period is listed with the last day pumping occurred.

3: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: May 2, 2019.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | |
|---|---|---|---|---|---|---|
| Date | Flow[1] (gpm) | FBR Influent Concentration | | | Influent Function Load[3] (lbs/day) | 6 Month Rolling Average (lbs/day) |
| | | $ClO_4$ [2] (mg/L) | $NO_3$ as N (mg/L) | $ClO_3$ (mg/L) | | |
| July 2018 | 1,028 | 113 | 11 | 150 | 691 | 788 |
| Aug 2018 | 1,005 | 106 | 11 | 140 | 633 | 711 |
| Sep 2018 | 1,030 | 117 | 10 | 150 | 691 | 687 |
| Oct 2018 | 1,028 | 208 | 10 | 140 | 867 | 728 |
| Nov 2018 | 1,042 | 262 | 10 | 130 | 979 | 771 |
| Dec 2018 | 1,046 | 262 | 10 | 140 | 1,009 | 811 |
| Jan 2019 | 1,067 | 247 | 10 | 140 | 991 | 861 |
| Feb 2019 | 1,070 | 264 | 8.8 | 130 | 997 | 922 |
| Mar 2019 | 1,035 | 233 | 10 | 140 | 932 | 962 |
| Apr 2019 | 1,038 | 102 | 10 | 89 | 529 | 906 |
| May 2019 | 1,027 | 118 | 11 | 140 | 677 | 856 |
| June 2019 | 1,009 | 138 | 6.5 | 120 | 620 | 791 |

Notes:

Concentrations and flow are presented as monthly average.

1: Flow used in loading calculation is average monthly FBR effluent flow to be consistent with historical loading calculations.

2: Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased on March 13, 2018 to prepare for the lower seasonal ammonia permit limits beginning April 1. The AP-5 wash water feed rate was increased on October 1, 2018 in accordance with the higher seasonal ammonia permit limits beginning October 1.

3: FBR loading calculated as $[(0.9*NO_3 \text{ as } N + 0.17*ClO_3 + 0.18*ClO_4)*Flow*1440/1000000*8.34]$.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | E1-1 | | E1-2 | | E1-3 | | E2-1 | | E2-2 | | E2-3 | | E2-4 | | E2-5 | |
| | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) |
| 06/01/19 | 2.8 | 1712.73 | 1.1 | 1711.57 | 0.82 | 1710.70 | 1.4 | 1717.52 | 1.9 | 1716.08 | 1.9 | 1716.30 | 1.7 | 1715.85 | 0.51 | 1716.46 |
| 06/02/19 | 2.8 | 1712.93 | 1.1 | 1711.68 | 0.83 | 1710.87 | 1.5 | 1717.07 | 1.9 | 1716.64 | 1.9 | 1716.37 | 2.2 | 1716.01 | 0.67 | 1716.54 |
| 06/03/19 | 2.9 | 1712.65 | 1.1 | 1711.35 | 0.83 | 1710.73 | 1.5 | 1717.01 | 1.9 | 1716.52 | 2.0 | 1716.33 | 1.3 | 1715.80 | 0.39 | 1716.62 |
| 06/04/19 | 2.8 | 1712.58 | 1.1 | 1711.51 | 0.82 | 1710.91 | 1.5 | 1716.60 | 1.9 | 1716.67 | 1.9 | 1714.95 | 1.8 | 1715.11 | 0.55 | 1716.37 |
| 06/05/19 | 2.9 | 1712.64 | 1.2 | 1712.15 | 0.86 | 1710.97 | 1.5 | 1716.29 | 2.0 | 1714.62 | 2.0 | 1715.05 | 1.9 | 1714.90 | 0.60 | 1716.25 |
| 06/06/19 | 2.8 | 1712.83 | 1.1 | 1710.01 | 0.83 | 1711.97 | 1.5 | 1714.34 | 1.9 | 1715.57 | 1.9 | 1714.14 | 1.8 | 1714.39 | 0.58 | 1713.39 |
| 06/07/19 | 2.8 | 1712.66 | 1.1 | 1709.82 | 0.83 | 1712.97 | 1.2 | 1710.78 | 2.0 | 1714.87 | 1.7 | 1712.00 | 1.7 | 1713.09 | 0.42 | 1711.52 |
| 06/08/19 | 2.8 | 1712.94 | 1.1 | 1709.98 | 0.81 | 1713.72 | 1.3 | 1719.86 | 2.0 | 1715.51 | 1.8 | 1718.49 | 1.6 | 1716.64 | 0.56 | 1719.16 |
| 06/09/19 | 2.8 | 1713.23 | 1.1 | 1710.04 | 0.82 | 1714.54 | 1.3 | 1722.01 | 2.0 | 1715.72 | 1.8 | 1716.85 | 1.6 | 1716.88 | 0.52 | 1716.10 |
| 06/10/19 | 2.8 | 1712.62 | 1.2 | 1711.49 | 0.82 | 1710.11 | 1.3 | 1719.93 | 1.9 | 1716.21 | 1.8 | 1717.00 | 1.5 | 1717.61 | 0.53 | 1716.63 |
| 06/11/19 | 2.7 | 1712.64 | 1.2 | 1711.40 | 0.82 | 1710.93 | 1.3 | 1717.91 | 1.9 | 1715.78 | 1.6 | 1716.37 | 1.8 | 1717.43 | 0.56 | 1716.12 |
| 06/12/19 | 2.8 | 1712.64 | 1.2 | 1711.57 | 0.86 | 1709.98 | 1.3 | 1717.38 | 2.0 | 1716.20 | 1.7 | 1717.04 | 1.9 | 1717.58 | 0.55 | 1716.61 |
| 06/13/19 | 2.9 | 1712.60 | 1.1 | 1711.45 | 0.87 | 1710.56 | 2.1 | 1717.29 | 2.2 | 1716.24 | 2.1 | 1716.42 | 1.0 | 1716.91 | 0.64 | 1716.44 |
| 06/14/19 | 2.8 | 1713.74 | 1.1 | 1711.05 | 0.83 | 1714.47 | 1.5 | 1718.32 | 2.0 | 1715.93 | 1.8 | 1717.31 | 1.6 | 1717.69 | 0.57 | 1715.69 |
| 06/15/19 | 2.8 | 1713.04 | 1.2 | 1710.79 | 0.82 | 1713.25 | 1.5 | 1715.56 | 2.0 | 1715.68 | 1.7 | 1717.63 | 1.6 | 1717.58 | 0.59 | 1714.93 |
| 06/16/19 | 2.7 | 1712.92 | 1.1 | 1710.74 | 0.81 | 1713.14 | 1.4 | 1715.77 | 2.0 | 1715.60 | 1.7 | 1718.00 | 1.6 | 1717.51 | 0.46 | 1714.22 |
| 06/17/19 | 3.0 | 1713.02 | 1.2 | 1710.65 | 0.83 | 1713.08 | 1.6 | 1715.71 | 2.0 | 1715.62 | 1.8 | 1717.95 | 1.6 | 1717.71 | 0.70 | 1714.25 |
| 06/18/19 | 2.8 | 1713.02 | 1.1 | 1710.72 | 0.80 | 1713.12 | 1.5 | 1718.82 | 1.9 | 1716.37 | 2.0 | 1718.94 | 1.8 | 1718.24 | 0.58 | 1716.40 |
| 06/19/19 | 3.0 | 1712.52 | 1.1 | 1711.40 | 0.86 | 1712.95 | 1.6 | 1716.77 | 1.9 | 1716.42 | 1.9 | 1715.05 | 1.9 | 1715.13 | 0.53 | 1716.43 |
| 06/20/19 | 2.7 | 1712.75 | 1.3 | 1710.61 | 0.86 | 1713.02 | 0.51 | 1716.29 | 2.0 | 1715.98 | 1.8 | 1715.41 | 1.6 | 1715.08 | 0.28 | 1716.09 |
| 06/21/19 | 2.9 | 1713.29 | 1.2 | 1711.47 | 0.85 | 1713.09 | 0.96 | 1716.04 | 1.9 | 1716.60 | 1.8 | 1715.94 | 1.7 | 1710.27 | 0.42 | 1716.14 |
| 06/22/19 | 2.8 | 1713.76 | 1.2 | 1711.84 | 0.83 | 1713.82 | 0.64 | 1726.50 | 1.9 | 1717.47 | 1.8 | 1716.55 | 1.6 | 1717.30 | 0.40 | 1720.70 |
| 06/23/19 | 2.8 | 1713.27 | 1.2 | 1711.89 | 0.81 | 1713.88 | 1.7 | 1728.42 | 1.9 | 1717.41 | 1.8 | 1716.31 | 1.7 | 1717.39 | 0.71 | 1720.92 |
| 06/24/19 | 2.9 | 1713.26 | 1.2 | 1711.46 | 0.86 | 1713.06 | 1.5 | 1713.22 | 2.0 | 1717.42 | 2.1 | 1718.05 | 1.7 | 1717.21 | 0.69 | 1708.60 |
| 06/25/19 | 2.8 | 1713.24 | 1.2 | 1711.36 | 0.82 | 1713.11 | 1.3 | 1718.07 | 1.9 | 1716.72 | 2.0 | 1714.93 | 1.6 | 1717.26 | 0.44 | 1709.37 |
| 06/26/19 | 2.8 | 1713.22 | 1.2 | 1711.72 | 0.83 | 1712.88 | 1.5 | 1719.84 | 1.9 | 1716.92 | 2.0 | 1715.25 | 2.0 | 1717.31 | 0.58 | 1721.92 |
| 06/27/19 | 2.9 | 1713.27 | 1.1 | 1711.82 | 0.84 | 1713.16 | 1.5 | 1715.92 | 1.8 | 1716.62 | 2.0 | 1714.65 | 2.0 | 1712.41 | 0.57 | 1716.93 |
| 06/28/19 | 2.8 | 1711.79 | 0.88 | 1716.36 | 0.82 | 1715.20 | 1.5 | 1709.72 | 1.8 | 1716.32 | 2.0 | 1710.25 | 1.9 | 1712.41 | 0.55 | 1710.72 |
| 06/29/19 | 2.8 | 1712.43 | 2.0 | 1716.66 | 0.80 | 1715.32 | 1.4 | 1714.72 | 1.8 | 1718.32 | 2.0 | 1713.85 | 1.8 | 1714.21 | 0.47 | 1712.32 |
| 06/30/19 | 2.9 | 1712.93 | 1.2 | 1716.26 | 0.81 | 1715.17 | 1.3 | 1713.80 | 1.8 | 1716.90 | 2.0 | 1714.63 | 1.8 | 1713.83 | 0.55 | 1713.52 |
| Monthly Average | 2.8 | 1712.91 | 1.2 | 1711.70 | 0.83 | 1712.69 | 1.4 | 1717.25 | 1.9 | 1716.30 | 1.9 | 1715.93 | 1.7 | 1715.89 | 0.54 | 1715.57 |
| Analytical[1] | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc[2] (mg/L) | Date | Conc (mg/L) | Date |
| Perchlorate | 460 | 6/25/2019 | 1,400 | 6/25/2019 | 560 | 6/25/2019 | 77 | 6/25/2019 | 250 | 6/25/2019 | 690 | 6/25/2019 | 890 | 6/25/2019 | 1,400 | 6/25/2019 |
| Hexavalent Chromium | 0.040 | 6/25/2019 | 0.19 | 6/25/2019 | 0.38 | 6/25/2019 | 0.032 | 6/25/2019 | 0.026 | 6/25/2019 | 0.026 | 6/25/2019 | 0.036 | 6/25/2019 | 0.098 | 6/25/2019 |
| Total Chromium | 0.040 | 6/25/2019 | 0.21 | 6/25/2019 | 0.38 | 6/25/2019 | 0.029 | 6/25/2019 | 0.027 | 6/25/2019 | 0.026 | 6/25/2019 | 0.036 | 6/25/2019 | 0.10 | 6/25/2019 |

Notes:

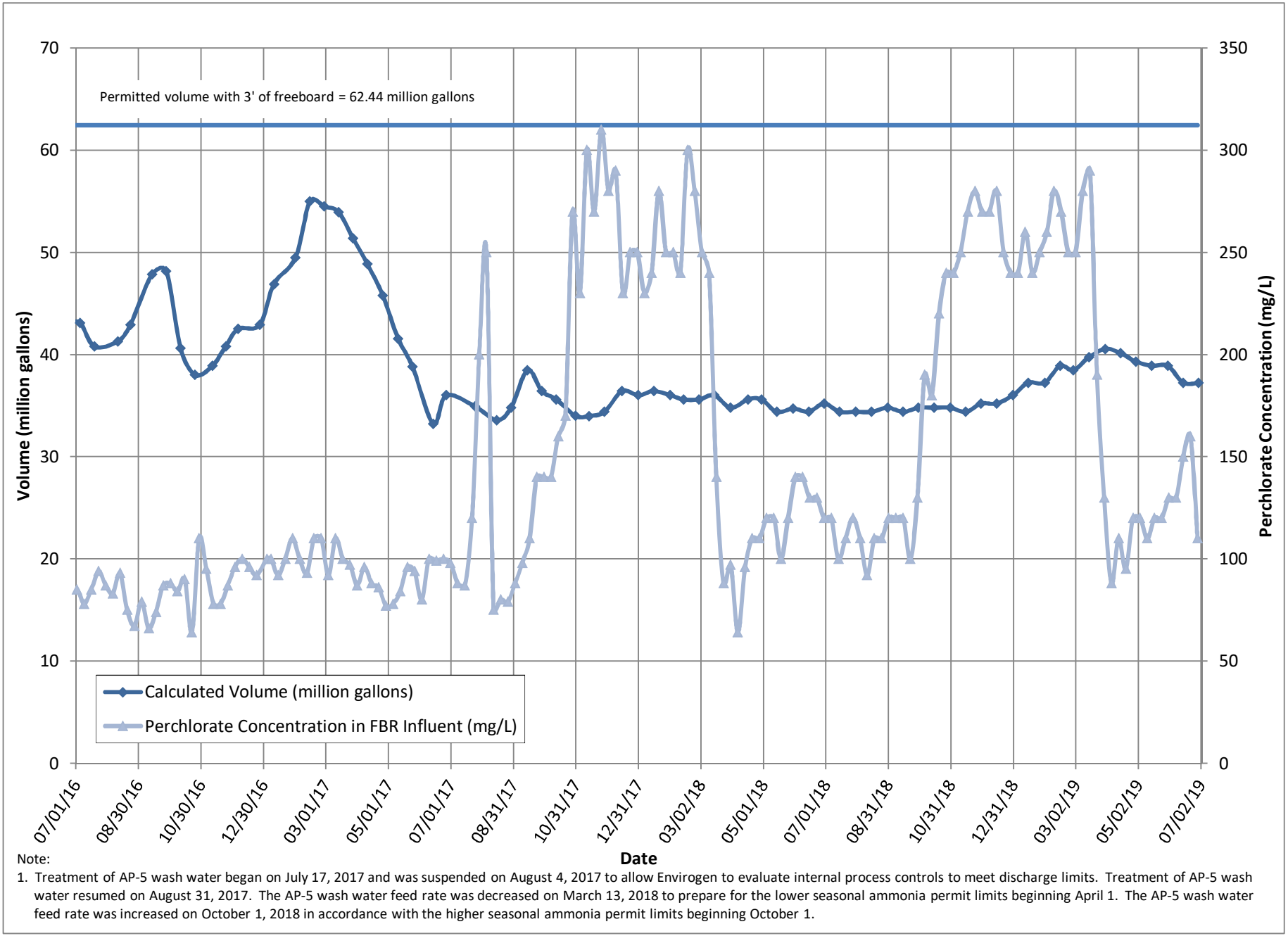
Flow reported as gpm is a daily average calculated from the totalizer reading.

The flow rate at individual wells is adjusted daily to maintain the water level in the wells above the pump.

1: Analytical results are reported from TestAmerica.

2: Duplicates taken on 06/25 for well E2-4; average of both values is presented and used for calculations.

Figure 1 - GW-11 Pond Volume and FBR Influent Perchlorate Concentration

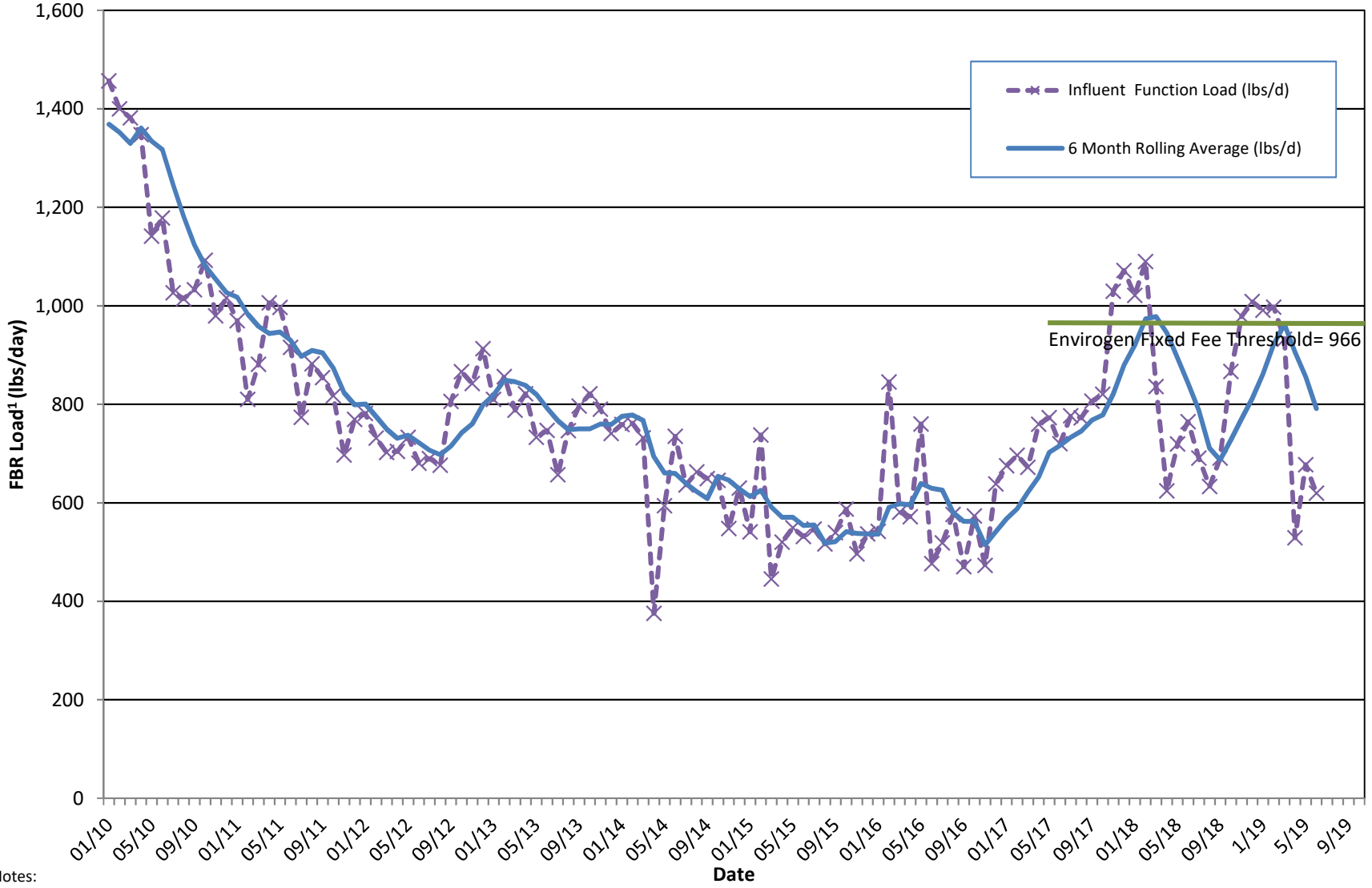



Note:

1. Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased on March 13, 2018 to prepare for the lower seasonal ammonia permit limits beginning April 1. The AP-5 wash water feed rate was increased on October 1, 2018 in accordance with the higher seasonal ammonia permit limits beginning October 1.

Figure Updated: 7/18/2019

Figure 2 - FBR Equivalent Loading Calculation




Notes:

1: FBR Load calculated as [(0.9*$NO_3$ as N + 0.17 * $ClO_3$ + 0.18*$ClO_4$)*Flow*1440/1000000*8.34]

2. Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased in March 2019 to prepare for the lower seasonal ammonia permit limits beginning April 1. The AP-5 wash water feed rate was increased on October 1, 2018 in accordance with the higher seasonal ammonia permit limits beginning October 1.

Figure Updated: 7/18/2019