# 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 Flow (gpm) | East Well (PC-116R) Flow (gpm) | East Well (PC-116R) Water Elevation (ft amsl) | Center Well (PC99R3) Flow[6 7] (gpm) | Center Well (PC99R3) Water Elevation (ft amsl) | West Well (PC-115R) Flow (gpm) | West Well (PC-115R) Water Elevation (ft amsl) | PC 117 Flow (gpm) | PC 117 Water Elevation (ft amsl) | PC 118 Flow (gpm) | PC 118 Water Elevation (ft amsl) | PC 119 Flow (gpm) | PC 119 Water Elevation (ft amsl) | PC 120 Flow (gpm) | PC 120 Water Elevation (ft amsl) | PC 121 Flow[8] (gpm) | PC 121 Water Elevation (ft amsl) | PC 133 Flow[9] (gpm) | PC 133 Water Elevation (ft amsl) |
| 02/01/17 | 936.7 | 152.3 | 1539.7 | 73.0 | 1543.6 | 110.6 | 1543.7 | 113.4 | 1539.4 | 60.5 | 1548.1 | 56.3 | 1549.8 | 0.00 | 1551.4 | 0.00 | 1551.4 | 13.2 | 1520.0 |
| 02/02/17 | 937.5 | 152.0 | 1539.7 | 72.9 | 1543.8 | 110.3 | 1543.7 | 113.1 | 1539.4 | 61.1 | 1548.2 | 55.5 | 1549.8 | 0.00 | 1551.4 | 0.00 | 1551.4 | 12.5 | 1520.0 |
| 02/03/17 | 926.4 | 152.1 | 1539.7 | 70.1 | 1543.8 | 110.4 | 1543.7 | 113.2 | 1539.4 | 60.4 | 1548.2 | 55.6 | 1549.8 | 0.00 | 1551.4 | 0.00 | 1551.4 | 13.2 | 1520.0 |
| 02/04/17 | 934.2 | 153.3 | 1539.8 | 70.7 | 1545.1 | 112.0 | 1543.7 | 114.1 | 1539.4 | 61.6 | 1548.2 | 56.7 | 1549.8 | 0.00 | 1551.4 | 0.00 | 1551.4 | 14.0 | 1520.0 |
| 02/05/17 | 916.5 | 151.1 | 1539.8 | 61.4 | 1544.9 | 110.4 | 1543.7 | 112.5 | 1539.4 | 60.7 | 1548.2 | 55.2 | 1549.8 | 0.00 | 1551.4 | 0.00 | 1551.4 | 14.5 | 1520.0 |
| 02/06/17[2] | 862.9 | 142.0 | 1539.9 | 57.8 | 1543.7 | 102.3 | 1543.8 | 105.8 | 1539.6 | 57.1 | 1548.2 | 52.2 | 1549.8 | 0.00 | 1551.4 | 0.00 | 1551.4 | 15.3 | 1521.7 |
| 02/07/17 | 873.2 | 150.1 | 1539.8 | 62.2 | 1544.5 | 110.0 | 1543.7 | 112.7 | 1539.5 | 60.9 | 1548.1 | 55.3 | 1549.8 | 0.00 | 1551.6 | 0.00 | 1551.4 | 16.6 | 1520.0 |
| 02/08/17 | 873.2 | 155.9 | 1539.8 | 64.6 | 1545.6 | 114.7 | 1543.7 | 116.8 | 1539.5 | 63.2 | 1548.1 | 57.7 | 1549.7 | 0.00 | 1551.5 | 0.00 | 1551.3 | 15.8 | 1520.0 |
| 02/09/17[3] | 702.5 | 147.3 | 1539.6 | 61.6 | 1544.9 | 108.4 | 1543.4 | 109.8 | 1539.3 | 82.5 | 1547.1 | 55.3 | 1549.2 | 67.3 | 1549.3 | 0.00 | 1551.5 | 16.8 | 1520.0 |
| 02/10/17 | 468.7 | 150.3 | 1539.5 | 62.5 | 1543.9 | 110.2 | 1543.3 | 112.3 | 1539.2 | 61.5 | 1547.6 | 53.1 | 1549.1 | 90.8 | 1548.3 | 0.00 | 1551.4 | 17.5 | 1532.4 |
| 02/11/17 | 468.7 | 150.3 | 1539.4 | 62.5 | 1544.6 | 110.2 | 1543.2 | 112.3 | 1539.1 | 61.2 | 1547.5 | 55.7 | 1549.0 | 89.6 | 1548.2 | 0.00 | 1551.3 | 0.40 | 1532.3 |
| 02/12/17 | 468.3 | 151.0 | 1539.3 | 63.3 | 1543.6 | 110.6 | 1543.2 | 113.4 | 1539.0 | 59.4 | 1547.5 | 55.2 | 1549.0 | 89.6 | 1548.1 | 0.00 | 1551.2 | 3.9 | 1532.3 |
| 02/13/17 | 468.7 | 152.7 | 1539.3 | 63.3 | 1545.1 | 111.9 | 1543.0 | 114.0 | 1539.0 | 62.8 | 1547.3 | 55.2 | 1548.8 | 87.6 | 1547.9 | 41.3 | 1549.7 | 0.10 | 1532.2 |
| 02/14/17 | 469.0 | 151.7 | 1539.1 | 61.2 | 1543.1 | 111.3 | 1543.0 | 112.7 | 1538.9 | 62.2 | 1547.3 | 54.3 | 1548.8 | 90.5 | 1547.8 | 40.9 | 1549.6 | 4.5 | 1532.1 |
| 02/15/17 | 469.2 | 151.1 | 1539.1 | 57.7 | 1543.8 | 110.9 | 1542.9 | 110.7 | 1538.8 | 60.3 | 1547.2 | 54.9 | 1548.7 | 87.1 | 1547.8 | 39.6 | 1549.5 | 0.00 | 1532.0 |
| 02/16/17 | 502.1 | 149.2 | 1539.0 | 63.3 | 1544.2 | 115.4 | 1542.9 | 117.5 | 1538.8 | 64.0 | 1547.2 | 56.3 | 1548.7 | 93.2 | 1547.7 | 42.4 | 1549.5 | 0.00 | 1532.6 |
| 02/17/17 | 463.7 | 150.2 | 1539.0 | 60.2 | 1543.8 | 110.0 | 1542.8 | 112.1 | 1538.7 | 60.9 | 1547.1 | 54.0 | 1548.6 | 89.3 | 1547.7 | 40.1 | 1549.4 | 0.10 | 1549.4 |
| 02/18/17 | 474.3 | 152.2 | 1539.0 | 62.0 | 1543.9 | 112.1 | 1542.8 | 114.2 | 1538.8 | 62.0 | 1547.1 | 55.7 | 1548.6 | 90.9 | 1547.7 | 40.2 | 1549.4 | 2.2 | 1532.5 |
| 02/19/17 | 469.0 | 151.0 | 1539.0 | 60.5 | 1544.0 | 110.6 | 1542.8 | 113.4 | 1538.7 | 61.2 | 1547.1 | 54.3 | 1548.6 | 89.1 | 1547.7 | 40.4 | 1549.4 | 13.3 | 1532.5 |
| 02/20/17 | 468.5 | 150.4 | 1538.9 | 60.3 | 1544.0 | 110.2 | 1542.8 | 112.3 | 1538.7 | 61.0 | 1547.1 | 54.1 | 1548.6 | 85.9 | 1547.7 | 38.8 | 1549.4 | 15.2 | 1532.5 |
| 02/21/17[4 5] | 628.1 | 135.5 | 1540.6 | 65.1 | 1543.0 | 113.0 | 1543.5 | 114.4 | 1539.2 | 18.2 | 1549.0 | 24.6 | 1549.9 | 1.00 | 1551.3 | 0.80 | 1551.6 | 0.10 | 1534.1 |
| 02/22/17 | 562.1 | 131.8 | 1540.4 | 61.8 | 1544.7 | 109.8 | 1543.0 | 111.2 | 1538.9 | 42.6 | 1547.3 | 43.9 | 1548.7 | 52.2 | 1547.8 | 23.3 | 1549.5 | 6.2 | 1533.7 |
| 02/23/17 | 538.8 | 132.3 | 1540.3 | 62.3 | 1544.5 | 110.1 | 1542.9 | 112.9 | 1538.8 | 59.6 | 1547.2 | 56.8 | 1548.6 | 89.3 | 1547.7 | 40.2 | 1549.4 | 7.6 | 1533.6 |
| 02/24/17 | 539.0 | 133.0 | 1540.3 | 62.0 | 1544.6 | 110.7 | 1542.9 | 112.8 | 1538.8 | 59.9 | 1547.2 | 57.1 | 1548.6 | 89.1 | 1547.7 | 39.7 | 1549.4 | 7.7 | 1533.6 |
| 02/25/17 | 539.5 | 134.4 | 1540.2 | 63.3 | 1543.9 | 112.2 | 1542.8 | 114.8 | 1538.8 | 60.0 | 1547.1 | 58.1 | 1548.5 | 90.7 | 1547.6 | 41.1 | 1547.4 | 7.8 | 1533.5 |
| 02/26/17 | 538.0 | 130.4 | 1540.2 | 59.6 | 1543.4 | 108.8 | 1542.8 | 111.0 | 1538.7 | 58.9 | 1547.1 | 55.9 | 1548.5 | 87.9 | 1547.6 | 39.5 | 1549.3 | 6.7 | 1533.4 |
| 02/27/17[4] | 525.2 | 131.8 | 1540.1 | 57.6 | 1544.4 | 109.0 | 1542.8 | 112.1 | 1538.7 | 60.2 | 1547.1 | 56.0 | 1548.5 | 90.6 | 1547.6 | 41.7 | 1549.3 | 6.7 | 1533.4 |
| 02/28/17 | 538.9 | 131.9 | 1540.1 | 61.1 | 1544.0 | 110.4 | 1542.7 | 113.2 | 1538.7 | 59.7 | 1547.0 | 62.5 | 1548.3 | 88.2 | 1547.5 | 40.3 | 1549.3 | 7.6 | 1533.7 |
| Monthly Average | 627.2 | 145.6 | 1539.7 | 63.0 | 1544.2 | 110.6 | 1543.2 | 112.8 | 1539.0 | 59.4 | 1547.5 | 54.2 | 1549.1 | 58.6 | 1549.0 | 21.1 | 1550.3 | 8.6 | 1529.4 |
| Analytical[1] | | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc[10] (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date |
| Perchlorate | | 11 | 2/15/2017 | 12 | 2/15/2017 | 11 | 2/15/2017 | 5.3 | 2/15/2017 | 7.4 | 2/15/2017 | 2.2 | 2/15/2017 | 0.23 | 2/15/2017 | 0.076 | 2/15/2017 | 3.1 | 2/15/2017 |
| Hexavalent Chromium | | 0.00098 | 2/15/2017 | ND | 2/15/2017 | ND | 2/15/2017 | 0.0012 | 2/15/2017 | ND | 2/15/2017 | ND | 2/15/2017 | ND | 2/15/2017 | ND | 2/15/2017 | ND | 2/15/2017 |
| Total Chromium | | 0.0026 J | 2/15/2017 | 0.00095 J | 2/15/2017 | ND | 2/15/2017 | 0.0011 J | 2/15/2017 | ND | 2/15/2017 | 0.021 | 2/15/2017 | ND | 2/15/2017 | ND | 2/15/2017 | ND | 2/15/2017 |

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 RL but greater than or equal to the MDL and the concentration is an approximate value. Indicates an Estimated Value for TICs.

1: Analytical results are reported from TestAmerica.

2: On 2/6, LS #1 and SWF down due to maintenance event at LS #2 from 8:11 am to 9:16 am and LS #1 maintenance event from 2:42 pm to 3:07 pm.

3: On 2/9, IX system online. PC-118, PC-119, PC-120, PC-133 routed to IX system.

4: On 2/21 and 2/27, SWF totalizers were reset.

5: IX system offline at 4:30 pm on 2/21; system back online at 9:00 am on 2/22.

6: On 2/3, Center Well down briefly for maintenance repair.

7: On 2/4, Center Well decreased to meet flow target as directed by the Trust.

8: On 2/13, flow from PC-121 routed to IX system.

9: From 2/9-2/14, PC-133 flow decreased due to instrument issues. All hardware was replaced.

10: Duplicate taken on 02/15 for well PC-118; average of both values is presented and used for calculation purposes.

Table Updated: 3/16/2017

# 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[3] (gpm) | ART 1A/1B Flow (gpm) | ART 1A/1B Water Elevation (ft amsl) | ART 2A/2B Flow (gpm) | ART 2A/2B Water Elevation (ft amsl) | ART 3A/3B Flow (gpm) | ART 3A/3B Water Elevation (ft amsl) | ART 4A/4B Flow (gpm) | ART 4A/4B Water Elevation[2] (ft amsl) | ART 6/9 Flow (gpm) | ART 6/9 Water Elevation (ft amsl) | ART 7A/7B Flow (gpm) | ART 7A/7B Water Elevation (ft amsl) | ART 8A/8B Flow (gpm) | ART 8A/8B Water Elevation (ft amsl) | PC-150 Flow[5 6] (gpm) | PC-150 Water Elevation (ft amsl) |
| 02/01/17 | 381.8 | 34.8 | 1587.4 | 109.9 | 1587.0 | 33.4 | 1584.9 | 3.5 | < 1575.0 | 60.5 | 1577.4 | 20.2 | 1579.6 | 143.9 | 1582.5 | 1.4 | 1584.3 |
| 02/02/17 | 381.7 | 35.4 | 1587.4 | 110.3 | 1587.0 | 33.3 | 1584.9 | 4.2 | < 1575.0 | 60.4 | 1579.4 | 20.8 | 1579.7 | 144.3 | 1582.5 | 0.69 | 1584.5 |
| 02/03/17 | 379.9 | 35.4 | 1587.4 | 109.0 | 1587.0 | 32.6 | 1584.9 | 4.2 | < 1575.0 | 59.7 | 1579.4 | 20.1 | 1579.7 | 143.8 | 1582.5 | 0.69 | 1584.5 |
| 02/04/17 | 383.5 | 35.7 | 1587.3 | 110.6 | 1587.0 | 32.9 | 1584.8 | 4.2 | < 1575.0 | 60.9 | 1578.9 | 21.0 | 1579.7 | 145.6 | 1582.5 | 0.70 | 1583.9 |
| 02/05/17 | 381.0 | 35.9 | 1587.3 | 109.7 | 1587.0 | 33.1 | 1584.8 | 3.5 | < 1575.0 | 60.7 | 1577.3 | 20.7 | 1579.7 | 145.6 | 1582.4 | 1.4 | 1584.2 |
| 02/06/17[3] | 365.3 | 34.8 | 1587.4 | 104.4 | 1587.0 | 31.3 | 1584.8 | 4.2 | < 1575.0 | 59.2 | 1576.4 | 20.2 | 1579.7 | 139.9 | 1582.5 | 0.70 | 1584.6 |
| 02/07/17 | 379.7 | 36.7 | 1587.3 | 110.0 | 1586.9 | 33.2 | 1584.8 | 4.1 | < 1575.0 | 60.9 | 1578.2 | 20.7 | 1579.7 | 146.6 | 1582.4 | 0.69 | 1584.5 |
| 02/08/17 | 379.7 | 36.4 | 1587.3 | 110.6 | 1586.9 | 32.3 | 1584.8 | 4.1 | < 1575.0 | 60.4 | 1577.3 | 20.6 | 1579.7 | 146.3 | 1582.4 | 1.4 | 1584.2 |
| 02/09/17 | 378.9 | 36.1 | 1587.3 | 111.9 | 1586.9 | 32.6 | 1584.8 | 4.2 | < 1575.0 | 60.2 | 1577.2 | 20.5 | 1579.7 | 146.6 | 1582.4 | 0.71 | 1584.1 |
| 02/10/17 | 378.2 | 35.3 | 1587.2 | 108.2 | 1586.9 | 32.5 | 1584.7 | 4.2 | < 1575.0 | 59.8 | 1579.4 | 20.3 | 1579.7 | 146.4 | 1582.4 | 0.69 | 1584.2 |
| 02/11/17 | 378.2 | 35.3 | 1587.2 | 111.7 | 1586.9 | 32.5 | 1584.7 | 4.2 | < 1575.0 | 59.8 | 1578.1 | 20.3 | 1579.7 | 146.4 | 1582.4 | 0.69 | 1584.5 |
| 02/12/17 | 377.9 | 35.3 | 1587.2 | 109.2 | 1586.8 | 32.5 | 1584.7 | 4.2 | < 1575.0 | 59.8 | 1576.3 | 20.3 | 1579.7 | 146.4 | 1582.3 | 0.69 | 1584.5 |
| 02/13/17 | 377.2 | 35.2 | 1587.2 | 109.2 | 1586.8 | 32.4 | 1584.7 | 4.2 | < 1575.0 | 59.8 | 1576.9 | 20.4 | 1579.6 | 147.1 | 1582.3 | 1.4 | 1584.5 |
| 02/14/17 | 377.2 | 35.5 | 1587.2 | 112.2 | 1586.8 | 32.0 | 1584.7 | 3.5 | < 1575.0 | 59.2 | 1576.6 | 20.2 | 1579.6 | 146.1 | 1582.3 | 0.70 | 1583.9 |
| 02/15/17 | 376.7 | 34.9 | 1587.1 | 108.9 | 1586.8 | 32.2 | 1584.7 | 4.1 | < 1575.0 | 58.9 | 1579.1 | 20.5 | 1579.7 | 146.6 | 1582.3 | 0.68 | 1584.5 |
| 02/16/17 | 375.5 | 36.8 | 1587.1 | 111.0 | 1586.8 | 31.9 | 1584.7 | 4.9 | < 1575.0 | 59.0 | 1578.3 | 20.1 | 1579.6 | 146.4 | 1582.2 | 0.69 | 1584.5 |
| 02/17/17 | 375.1 | 36.8 | 1587.1 | 111.0 | 1586.7 | 31.9 | 1584.7 | 4.9 | < 1575.0 | 59.0 | 1580.0 | 20.1 | 1579.6 | 146.4 | 1582.2 | 0.69 | 1584.2 |
| 02/18/17 | 375.6 | 36.6 | 1587.1 | 111.3 | 1586.7 | 32.4 | 1584.6 | 4.2 | < 1575.0 | 58.5 | 1579.2 | 19.7 | 1579.7 | 146.6 | 1582.2 | 0.70 | 1584.0 |
| 02/19/17 | 375.1 | 36.9 | 1587.1 | 112.0 | 1586.7 | 32.0 | 1584.6 | 4.2 | < 1575.0 | 57.8 | 1577.1 | 19.5 | 1579.6 | 146.8 | 1582.2 | 3.7 | 1584.2 |
| 02/20/17 | 374.2 | 36.0 | 1587.1 | 111.6 | 1586.7 | 31.2 | 1584.6 | 4.9 | < 1575.0 | 58.2 | 1578.7 | 20.1 | 1579.6 | 146.2 | 1582.2 | 0.69 | 1583.8 |
| 02/21/17[4] | 272.6 | 33.9 | 1587.1 | 110.2 | 1586.7 | 34.6 | 1584.6 | 5.6 | < 1575.0 | 39.9 | 1578.0 | 21.2 | 1579.7 | 144.2 | 1582.2 | 2.1 | 1584.5 |
| 02/22/17 | 372.7 | 34.3 | 1587.1 | 109.8 | 1586.7 | 31.6 | 1584.6 | 4.8 | < 1575.0 | 57.7 | 1578.3 | 19.9 | 1579.7 | 142.8 | 1582.2 | 0.69 | 1584.1 |
| 02/23/17 | 372.6 | 34.6 | 1587.0 | 110.1 | 1586.7 | 31.9 | 1584.6 | 4.8 | < 1575.0 | 58.2 | 1578.0 | 20.1 | 1579.6 | 142.7 | 1582.2 | 0.69 | 1584.1 |
| 02/24/17 | 371.9 | 34.1 | 1587.0 | 110.0 | 1586.7 | 31.3 | 1584.6 | 4.2 | < 1575.0 | 57.1 | 1577.7 | 19.5 | 1579.7 | 142.8 | 1582.2 | 0.70 | 1584.1 |
| 02/25/17 | 371.8 | 33.9 | 1587.0 | 110.2 | 1586.7 | 31.3 | 1584.6 | 4.6 | < 1575.0 | 56.1 | 1577.1 | 19.6 | 1579.6 | 142.2 | 1582.2 | 4.5 | 1583.9 |
| 02/26/17 | 370.3 | 34.3 | 1587.0 | 109.5 | 1586.7 | 31.3 | 1584.6 | 4.5 | < 1575.0 | 56.6 | 1577.9 | 19.4 | 1579.7 | 143.1 | 1582.1 | 0.75 | 1584.3 |
| 02/27/17[4] | 351.3 | 33.7 | 1587.0 | 109.2 | 1586.6 | 25.3 | 1584.6 | 2.7 | < 1575.0 | 26.2 | 1576.2 | 20.2 | 1579.6 | 145.2 | 1582.1 | 1.3 | 1583.9 |
| 02/28/17 | 370.8 | 34.0 | 1587.0 | 109.7 | 1586.6 | 31.3 | 1584.6 | 4.2 | < 1575.0 | 56.3 | 1582.5 | 20.1 | 1579.6 | 143.1 | 1582.1 | 0.69 | 1583.9 |
| Monthly Average | 371.7 | 35.3 | 1587.2 | 110.1 | 1586.8 | 32.0 | 1584.7 | 4.2 | < 1575.0 | 57.2 | 1578.1 | 20.2 | 1579.7 | 145.0 | 1582.3 | 1.1 | 1584.2 |
| Analytical[1] | | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc[7] (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date |
| Perchlorate | | 18 | 2/15/2017 | 15 | 2/15/2017 | 200 | 2/15/2017 | 230 | 2/15/2017 | 240 | 2/15/2017 | 120 | 2/15/2017 | 98 | 2/15/2017 | 150 | 2/15/2017 |
| Hexavalent Chromium | | ND | 2/15/2017 | 0.0034 | 2/15/2017 | 0.31 | 2/15/2017 | 0.32 | 2/15/2017 | 0.75 | 2/15/2017 | 0.49 | 2/15/2017 | 0.085 | 2/15/2017 | 0.17 | 2/15/2017 |
| Total Chromium | | ND | 2/15/2017 | 0.0037 J | 2/15/2017 | 0.29 | 2/15/2017 | 0.31 | 2/15/2017 | 0.69 | 2/15/2017 | 0.5 | 2/15/2017 | 0.089 | 2/15/2017 | 0.15 | 2/15/2017 |

Notes:

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

NM = No measurement.

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).

J= Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. Indicates an Estimated Value for TICs.

1: Analytical results are reported from TestAmerica.

2: 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.

3: On 2/6, LS #3 and AWF down due to maintenance event at LS #2 from 8:12 am to 9:15 am.

4: On 2/21 and 2/27, AWF totalizers were reset.

5: Flow meter for PC-150 records flow in units of 1,000 gallons. Flow change of one unit (1,000 gallons per day) results in approximate change of 0.69 gpm for daily average flow .

6: On 2/19, 2/21, 2/25, and 2/27 flow meter for well PC-150 indicated flow less than 1,000 gallons per day. Well was flowing on those days so PLC flow values were used.

7: Duplicate taken on 02/15 for well ART-4; average of both values is presented and used for calculation purposes.

Table Updated: 3/16/2017

| 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 (gpm) | Water Elevation[2] (ft amsl) | Flow[5] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow[6] (gpm) | Water Elevation (ft amsl) | Flow[6] (gpm) | Water Elevation (ft amsl) | Flow[7] (gpm) | Water Elevation (ft amsl) | Flow[5 7] (gpm) | Water Elevation (ft amsl) | Flow[5] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation[2] (ft amsl) |
| 02/01/17 | 0.28 | < 1714.00 | 1.2 | 1712.71 | 0.00 | 1721.44 | 0.00 | 1723.66 | 0.00 | 1725.14 | 0.96 | 1709.77 | 3.7 | 1717.95 | 1.9 | 1722.59 | 1.9 | 1708.39 | 3.7 | < 1705.00 |
| 02/02/17 | 0.23 | < 1714.00 | 1.2 | 1712.46 | 0.00 | 1721.42 | 0.00 | 1723.66 | 0.00 | 1725.15 | 0.96 | 1709.71 | 3.8 | 1718.00 | 1.9 | 1722.61 | 1.9 | 1708.39 | 3.7 | < 1705.00 |
| 02/03/17 | 0.23 | < 1714.00 | 1.2 | 1712.46 | 0.00 | 1721.42 | 0.00 | 1723.66 | 0.00 | 1725.15 | 0.95 | 1709.71 | 3.7 | 1718.00 | 1.9 | 1722.61 | 1.9 | 1708.39 | 3.6 | < 1705.00 |
| 02/04/17 | 0.24 | < 1714.00 | 1.2 | 1712.43 | 0.00 | 1721.42 | 0.00 | 1723.66 | 0.00 | 1725.16 | 0.96 | 1709.72 | 3.8 | 1718.23 | 1.9 | 1722.62 | 1.9 | 1708.38 | 3.9 | < 1705.00 |
| 02/05/17 | 0.23 | < 1714.00 | 1.2 | 1712.56 | 0.00 | 1721.45 | 0.00 | 1723.70 | 0.00 | 1725.18 | 0.97 | 1709.75 | 3.8 | 1718.44 | 1.9 | 1722.65 | 1.9 | 1708.38 | 3.7 | < 1705.00 |
| 02/06/17 | 0.23 | < 1714.00 | 1.2 | 1712.64 | 0.00 | 1721.46 | 0.00 | 1723.69 | 0.00 | 1725.18 | 0.98 | 1709.65 | 3.7 | 1718.75 | 1.9 | 1722.66 | 1.9 | 1708.39 | 3.8 | < 1705.00 |
| 02/07/17 | 0.23 | < 1714.00 | 1.2 | 1712.73 | 0.00 | 1721.47 | 0.00 | 1723.67 | 0.00 | 1725.17 | 0.99 | 1709.62 | 3.8 | 1718.87 | 1.9 | 1722.67 | 1.9 | 1708.38 | 3.7 | < 1705.00 |
| 02/08/17 | 0.23 | < 1714.00 | 1.2 | 1712.71 | 0.00 | 1721.47 | 0.00 | 1723.66 | 0.00 | 1725.17 | 0.97 | 1709.70 | 3.8 | 1718.99 | 1.9 | 1722.68 | 1.9 | 1708.38 | 3.8 | < 1705.00 |
| 02/09/17 | 0.23 | < 1714.00 | 1.2 | 1713.01 | 0.00 | 1721.50 | 0.00 | 1723.70 | 0.00 | 1725.19 | 0.99 | 1709.71 | 3.7 | 1719.78 | 1.9 | 1722.72 | 1.9 | 1708.39 | 3.7 | < 1705.00 |
| 02/10/17 | 0.23 | < 1714.00 | 1.2 | 1713.03 | 0.00 | 1721.52 | 0.00 | 1723.70 | 0.00 | 1725.19 | 1.0 | 1709.61 | 3.8 | 1719.89 | 1.9 | 1722.74 | 1.9 | 1708.38 | 3.8 | < 1705.00 |
| 02/11/17 | 0.23 | < 1714.00 | 1.1 | 1713.14 | 0.00 | 1721.53 | 0.00 | 1723.67 | 0.00 | 1725.18 | 1.0 | 1709.61 | 3.8 | 1720.18 | 1.9 | 1722.75 | 1.9 | 1708.38 | 3.8 | < 1705.00 |
| 02/12/17 | 0.23 | < 1714.00 | 1.2 | 1713.25 | 0.00 | 1721.56 | 0.00 | 1723.68 | 0.00 | 1725.18 | 1.1 | 1709.70 | 2.9 | 1720.51 | 1.9 | 1722.78 | 1.9 | 1708.38 | 3.7 | < 1705.00 |
| 02/13/17 | 0.23 | < 1714.00 | 1.0 | 1715.52 | 0.00 | 1721.61 | 0.00 | 1723.69 | 0.00 | 1725.19 | 1.1 | 1709.75 | 2.2 | 1721.66 | 1.9 | 1722.82 | 1.9 | 1708.37 | 3.7 | < 1705.00 |
| 02/14/17 | 0.23 | < 1714.00 | 1.0 | 1715.82 | 0.00 | 1721.66 | 0.00 | 1723.67 | 0.00 | 1725.19 | 1.1 | 1709.78 | 2.2 | 1721.77 | 1.9 | 1722.87 | 1.9 | 1708.37 | 3.7 | < 1705.00 |
| 02/15/17 | 0.23 | < 1714.00 | 1.0 | 1716.10 | 0.00 | 1721.70 | 0.00 | 1723.70 | 0.00 | 1725.20 | 1.1 | 1709.60 | 2.2 | 1721.90 | 1.9 | 1722.90 | 1.9 | 1708.40 | 3.8 | < 1705.00 |
| 02/16/17 | 0.23 | < 1714.00 | 0.94 | 1716.60 | 0.00 | 1721.70 | 0.03 | 1723.70 | 0.03 | 1725.20 | 1.1 | 1709.90 | 1.9 | 1721.90 | 1.9 | 1723.00 | 1.9 | 1708.40 | 3.7 | < 1705.00 |
| 02/17/17 | 0.23 | < 1714.00 | 0.94 | 1717.10 | 0.00 | 1721.80 | 0.00 | 1723.80 | 0.00 | 1725.20 | 1.1 | 1709.90 | 1.9 | 1722.00 | 1.9 | 1723.00 | 1.9 | 1708.40 | 3.7 | < 1705.00 |
| 02/18/17 | 0.23 | < 1714.00 | 0.94 | 1717.43 | 0.00 | 1721.78 | 0.00 | 1723.73 | 0.00 | 1725.21 | 1.2 | 1709.82 | 1.9 | 1722.00 | 1.9 | 1723.03 | 1.9 | 1708.37 | 3.7 | < 1705.00 |
| 02/19/17 | 0.23 | < 1714.00 | 0.94 | 1717.68 | 0.00 | 1721.79 | 0.00 | 1723.67 | 0.00 | 1725.19 | 1.1 | 1709.85 | 1.9 | 1722.04 | 1.9 | 1723.04 | 1.9 | 1708.37 | 3.7 | < 1705.00 |
| 02/20/17 | 0.23 | < 1714.00 | 0.94 | 1718.00 | 0.00 | 1721.81 | 0.00 | 1723.65 | 0.00 | 1725.18 | 1.2 | 1709.74 | 1.9 | 1722.08 | 1.9 | 1723.08 | 1.9 | 1708.36 | 3.8 | < 1705.00 |
| 02/21/17[3] | 0.20 | < 1714.00 | 1.0 | 1719.23 | 0.00 | 1721.83 | 0.00 | 1723.68 | 0.00 | 1725.19 | 0.73 | 1709.72 | 2.2 | 1722.13 | 2.0 | 1723.12 | 1.9 | 1708.37 | 4.4 | < 1705.00 |
| 02/22/17 | 0.21 | < 1714.00 | 0.92 | 1719.63 | 0.00 | 1721.84 | 0.00 | 1723.71 | 0.00 | 1725.20 | 1.1 | 1709.66 | 2.1 | 1722.16 | 2.0 | 1723.14 | 1.9 | 1708.37 | 4.4 | < 1705.00 |
| 02/23/17 | 0.22 | < 1714.00 | 1.2 | 1712.17 | 0.00 | 1721.75 | 0.00 | 1723.68 | 0.00 | 1725.19 | 1.1 | 1709.60 | 3.0 | 1718.78 | 2.3 | 1722.91 | 1.9 | 1708.36 | 4.4 | < 1705.00 |
| 02/24/17 | 0.23 | < 1714.00 | 1.5 | 1710.58 | 0.00 | 1721.64 | 0.00 | 1723.66 | 0.00 | 1725.19 | 1.0 | 1709.64 | 4.0 | 1718.56 | 2.7 | 1722.81 | 1.9 | 1708.37 | 4.4 | < 1705.00 |
| 02/25/17 | 0.21 | < 1714.00 | 1.5 | 1713.74 | 0.00 | 1721.61 | 0.00 | 1723.70 | 0.00 | 1725.21 | 0.98 | 1709.78 | 3.9 | 1720.71 | 3.1 | 1722.80 | 1.9 | 1710.05 | 4.2 | < 1705.00 |
| 02/26/17[4] | 0.19 | < 1714.00 | 1.2 | 1714.45 | 0.00 | 1721.66 | 0.00 | 1723.72 | 0.00 | 1725.22 | 1.0 | 1709.72 | 2.8 | 1720.97 | 2.7 | 1722.84 | 1.9 | 1708.38 | 4.4 | < 1705.00 |
| 02/27/17[3] | 0.21 | < 1714.00 | 1.2 | 1714.46 | 0.00 | 1721.65 | 0.00 | 1723.72 | 0.00 | 1725.22 | 1.8 | 1709.71 | 1.2 | 1717.45 | 2.7 | 1722.80 | 1.9 | 1708.37 | 4.4 | < 1705.00 |
| 02/28/17 | 0.21 | < 1714.00 | 1.2 | 1714.13 | 0.00 | 1721.60 | 0.00 | 1723.63 | 0.00 | 1725.19 | 0.97 | 1709.80 | 4.3 | 1717.31 | 2.6 | 1722.71 | 1.9 | 1708.38 | 4.4 | < 1705.00 |
| Monthly Average | 0.23 | < 1714.00 | 1.1 | 1714.49 | 0.00 | 1721.61 | 0.00 | 1723.69 | 0.00 | 1725.19 | 1.1 | 1709.72 | 3.0 | 1720.04 | 2.1 | 1722.82 | 1.9 | 1708.44 | 3.9 | < 1705.00 |
| 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 (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date |
| Perchlorate | 890 | 2/27/2017 | 120 | 2/27/2017 | 250 | 2/27/2017 | 280 | 2/16/2017 | 190 | 2/16/2017 | 520 | 2/27/2017 | 690 | 2/27/2017 | 720 | 2/27/2017 | 650 | 2/27/2017 | 1,000 | 2/27/2017 |
| Hexavalent Chromium | ND | 2/27/2017 | 0.045 | 2/27/2017 | ND | 2/27/2017 | 1.8 | 2/16/2017 | 0.76 | 2/16/2017 | 0.028 | 2/27/2017 | 2.0 | 2/27/2017 | 4.8 | 2/27/2017 | 6.2 | 2/27/2017 | 10 | 2/27/2017 |
| Total Chromium | 0.052 | 2/27/2017 | 0.047 | 2/27/2017 | 0.022 | 2/27/2017 | 1.7 | 2/16/2017 | 0.92 | 2/16/2017 | 0.081 | 2/27/2017 | 2.1 | 2/27/2017 | 5.2 | 2/27/2017 | 6.6 | 2/27/2017 | 11 B | 2/27/2017 |

Notes:

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

ND = Not detected above laboratory method detection limit (Cr(VI) = 1.0 ug/L).

B= Compound was found in the blank and sample.

1: Analytical results are reported from TestAmerica.

2: 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.

3: On 2/21 and 2/27, IWF totalizers were reset.

4: On 2/26, IWF off briefly for tank maintenance.

5: On 2/23, I-AA, I-C, I-D, I-L, I-M, I-R, I-X, and I-Y flows were increased to meet flow targets as directed by the Trust.

6: On 2/16, I-AC and I-AD were sampled.

7: On 2/27, I-B, I-C, I-R, and I-Y flows were increased to meet flow targets 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 (gpm) | Water Elevation (ft amsl) | Flow[8] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow[5 9 10] (gpm) | Water Elevation (ft amsl) | Flow[5] (gpm) | Water Elevation[2] (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow[9 11] (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) |
| 02/01/17 | 0.16 | 1717.85 | 1.4 | 1709.13 | 5.6 | 1721.74 | 6.6 | 1707.08 | 3.7 | 1712.18 | 2.2 | 1711.45 | 1.4 | 1722.70 | 3.7 | 1719.38 | 0.21 | 1721.58 | 1.9 | 1720.10 |
| 02/02/17 | 0.16 | 1717.85 | 1.4 | 1709.05 | 5.6 | 1721.75 | 6.8 | 1707.08 | 3.7 | 1712.23 | 2.2 | 1711.45 | 1.4 | 1722.72 | 3.8 | 1719.40 | 0.20 | 1721.60 | 1.9 | 1720.14 |
| 02/03/17 | 0.16 | 1717.85 | 1.4 | 1709.05 | 5.6 | 1721.75 | 6.9 | 1707.08 | 3.7 | 1712.23 | 1.9 | 1711.45 | 1.4 | 1722.72 | 3.7 | 1719.40 | 0.17 | 1721.60 | 1.9 | 1720.14 |
| 02/04/17 | 0.17 | 1717.87 | 1.4 | 1709.14 | 5.6 | 1721.78 | 7.0 | 1707.08 | 3.8 | 1712.29 | 1.9 | 1711.45 | 1.4 | 1722.72 | 3.8 | 1719.43 | 0.17 | 1721.64 | 1.9 | 1720.37 |
| 02/05/17 | 0.17 | 1718.09 | 1.4 | 1709.13 | 5.6 | 1721.81 | 7.1 | 1707.08 | 3.7 | 1712.39 | 1.9 | 1711.81 | 1.4 | 1722.75 | 3.7 | 1719.45 | 0.16 | 1721.67 | 1.9 | 1720.45 |
| 02/06/17 | 0.17 | 1718.41 | 1.5 | 1709.15 | 5.6 | 1721.81 | 7.2 | 1707.08 | 3.8 | 1712.40 | 1.9 | 1712.35 | 1.4 | 1722.76 | 3.8 | 1719.46 | 0.15 | 1721.69 | 1.9 | 1720.50 |
| 02/07/17 | 0.17 | 1718.58 | 1.5 | 1709.11 | 5.6 | 1721.81 | 7.2 | 1707.08 | 3.7 | 1712.32 | 1.9 | 1712.73 | 1.4 | 1722.76 | 3.7 | 1719.46 | 0.13 | 1721.70 | 1.9 | 1720.53 |
| 02/08/17 | 0.17 | 1718.70 | 1.5 | 1709.12 | 5.6 | 1721.80 | 7.1 | 1707.08 | 3.8 | 1712.30 | 1.9 | 1712.01 | 1.4 | 1722.79 | 3.8 | 1719.48 | 0.14 | 1721.70 | 1.9 | 1720.55 |
| 02/09/17 | 0.17 | 1719.03 | 1.5 | 1709.05 | 5.6 | 1721.85 | 7.2 | 1707.09 | 3.7 | 1712.42 | 1.9 | 1714.31 | 1.4 | 1722.82 | 3.7 | 1719.51 | 0.12 | 1721.74 | 1.9 | 1720.61 |
| 02/10/17 | 0.17 | 1719.27 | 1.5 | 1709.18 | 5.6 | 1721.85 | 7.4 | 1707.07 | 3.8 | 1712.45 | 1.9 | 1714.77 | 1.4 | 1722.83 | 3.8 | 1719.52 | 0.29 | 1721.68 | 1.9 | 1720.63 |
| 02/11/17 | 0.17 | 1719.51 | 1.5 | 1709.12 | 5.6 | 1721.83 | 7.4 | 1707.08 | 3.8 | 1712.38 | 1.9 | 1715.83 | 1.4 | 1722.83 | 3.8 | 1719.53 | 0.29 | 1721.68 | 1.9 | 1720.63 |
| 02/12/17 | 0.17 | 1719.55 | 1.5 | 1709.16 | 5.6 | 1721.84 | 7.5 | 1707.08 | 3.7 | 1712.43 | 1.9 | 1716.55 | 1.4 | 1722.85 | 3.7 | 1719.55 | 0.35 | 1721.68 | 1.9 | 1720.71 |
| 02/13/17 | 0.17 | 1719.74 | 1.5 | 1709.14 | 5.6 | 1721.85 | 7.5 | 1707.07 | 3.7 | 1712.47 | 1.9 | 1719.35 | 1.2 | 1722.96 | 3.7 | 1719.57 | 0.31 | 1721.74 | 1.9 | 1720.75 |
| 02/14/17 | 0.17 | 1719.74 | 1.5 | 1709.13 | 5.6 | 1721.86 | 7.5 | 1707.08 | 3.7 | 1712.43 | 1.9 | 1719.90 | 1.2 | 1722.99 | 3.7 | 1719.60 | 0.23 | 1721.75 | 1.9 | 1720.76 |
| 02/15/17 | 0.17 | 1719.70 | 1.5 | 1709.20 | 5.6 | 1721.90 | 7.5 | 1707.10 | 3.8 | 1712.40 | 1.9 | 1720.40 | 1.2 | 1723.00 | 3.8 | 1719.60 | 0.23 | 1721.80 | 1.9 | 1720.80 |
| 02/16/17 | 0.17 | 1719.70 | 1.6 | 1709.00 | 5.6 | 1721.90 | 7.5 | 1707.10 | 3.7 | 1712.60 | 1.9 | 1720.60 | 0.94 | 1723.10 | 3.7 | 1719.60 | 0.25 | 1721.80 | 1.9 | 1720.80 |
| 02/17/17 | 0.17 | 1719.70 | 1.6 | 1709.20 | 5.6 | 1721.90 | 7.5 | 1707.10 | 3.7 | 1712.70 | 1.9 | 1720.60 | 0.94 | 1723.10 | 3.7 | 1719.70 | 0.25 | 1721.80 | 1.9 | 1720.90 |
| 02/18/17 | 0.17 | 1719.67 | 1.6 | 1709.17 | 5.6 | 1721.90 | 7.5 | 1707.07 | 3.8 | 1712.62 | 1.9 | 1720.79 | 0.94 | 1720.97 | 3.7 | 1719.69 | 0.27 | 1721.81 | 1.9 | 1720.87 |
| 02/19/17 | 0.17 | 1719.59 | 1.6 | 1709.10 | 5.6 | 1721.87 | 7.5 | 1707.07 | 3.7 | 1712.52 | 1.9 | 1720.85 | 0.94 | 1720.96 | 3.7 | 1719.70 | 0.23 | 1721.80 | 1.9 | 1720.86 |
| 02/20/17 | 0.17 | 1719.59 | 1.6 | 1709.17 | 5.6 | 1721.87 | 7.5 | 1707.08 | 3.8 | 1712.47 | 1.9 | 1720.93 | 0.94 | < 1710.00 | 3.8 | 1719.72 | 0.20 | 1721.82 | 1.9 | 1720.87 |
| 02/21/17[3] | 0.20 | 1719.53 | 3.1 | 1709.20 | 5.0 | 1721.90 | 6.7 | 1707.07 | 3.5 | 1712.55 | 1.8 | 1720.98 | 1.1 | < 1710.00 | 4.5 | 1719.76 | 0.19 | 1721.82 | 1.9 | 1720.89 |
| 02/22/17 | 0.17 | 1719.47 | 1.6 | 1709.10 | 5.0 | 1721.92 | 6.7 | 1707.07 | 3.5 | 1712.60 | 1.8 | 1721.08 | 1.1 | 1710.40 | 4.5 | 1719.78 | 0.21 | 1721.83 | 1.9 | 1720.91 |
| 02/23/17 | 0.17 | 1719.41 | 1.6 | 1709.05 | 5.0 | 1721.91 | 6.7 | 1707.08 | 3.5 | 1712.52 | 2.1 | 1715.74 | 1.3 | 1714.07 | 4.5 | 1719.72 | 0.21 | 1721.82 | 1.8 | 1720.91 |
| 02/24/17 | 0.17 | 1719.38 | 1.6 | 1709.18 | 4.9 | 1721.90 | 6.6 | 1707.07 | 3.5 | 1712.48 | 2.3 | 1714.71 | 1.5 | 1722.91 | 4.5 | 1719.70 | 0.22 | 1721.82 | 1.8 | 1720.91 |
| 02/25/17 | 0.17 | 1719.39 | 1.6 | 1709.10 | 5.0 | 1721.96 | 6.6 | 1707.07 | 3.5 | 1712.88 | 2.2 | 1717.81 | 4.5 | 1722.99 | 4.4 | 1719.76 | 0.22 | 1721.88 | 1.8 | 1721.01 |
| 02/26/17[4] | 0.18 | 1719.34 | 1.6 | 1709.05 | 4.9 | 1721.98 | 6.8 | 1707.08 | 3.5 | 1712.76 | 0.12 | 1723.26 | 1.3 | 1723.01 | 4.5 | 1719.79 | 0.16 | 1721.92 | 1.8 | 1721.07 |
| 02/27/17[3] | 0.21 | 1719.42 | 2.9 | 1709.17 | 5.0 | 1721.99 | 6.8 | 1707.09 | 3.5 | 1712.71 | 1.6 | 1720.31 | 1.3 | 1714.27 | 4.5 | 1719.79 | 0.18 | 1721.93 | 1.8 | 1721.09 |
| 02/28/17 | 0.18 | 1719.17 | 1.6 | 1709.17 | 7.1 | 1721.94 | 6.7 | 1707.08 | 3.5 | 1712.47 | 1.5 | 1720.66 | 1.3 | 1714.20 | 4.5 | 1719.75 | 0.18 | 1721.90 | 1.8 | 1721.07 |
| Monthly Average | 0.17 | 1719.11 | 1.6 | 1709.13 | 5.5 | 1721.86 | 7.1 | 1707.08 | 3.7 | 1712.47 | 1.8 | 1716.93 | 1.4 | 1720.44 | 4.0 | 1719.60 | 0.21 | 1721.76 | 1.9 | 1720.71 |
| 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 (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date |
| Perchlorate | 1,700 | 2/27/2017 | 1,700 | 2/27/2017 | 1,100 | 2/16/2017 | 380 | 2/16/2017 | 310 | 2/16/2017 | 660 | 2/27/2017 | 860 | 2/27/2017 | 770 | 2/27/2017 | 1,000 | 2/27/2017 | 1,400 | 2/27/2017 |
| Hexavalent Chromium | 21 | 2/27/2017 | 16 | 2/27/2017 | 11 | 2/16/2017 | 3.5 | 2/16/2017 | 2.1 | 2/16/2017 | 0.20 | 2/27/2017 | 6.1 | 2/27/2017 | 5.5 | 2/27/2017 | 17 | 2/27/2017 | 17 | 2/27/2017 |
| Total Chromium | 22 B | 2/27/2017 | 17 B | 2/27/2017 | 9.2 | 2/16/2017 | 3.6 | 2/16/2017 | 2.0 | 2/16/2017 | 0.22 | 2/27/2017 | 6.3 | 2/27/2017 | 5.9 | 2/27/2017 | 17 B | 2/27/2017 | 18 B | 2/27/2017 |

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).

B= Compound was found in the blank and sample.

1: Analytical results are reported from TestAmerica.

2: 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.

3: On 2/21 and 2/27, IWF totalizers were reset.

4: On 2/26, IWF off briefly for tank maintenance.

5: On 2/23, I-AA, I-C, I-D, I-L, I-M, I-R, I-X, and I-Y flows were increased to meet flow targets as directed by the Trust.

8: Duplicates taken on 02/16 for well I-J; average of both values is presented and used for calculation purposes.

9: On 2/8, I-L, I-O, and I-Y flows were adjusted to meet flow targets as directed by the Trust.

10: From 2/26-2/27, I-L off for pump maintenance.

11: On 2/10 and 2/16, I-O flow increased 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 (gpm) | Water Elevation (ft amsl) | Flow[5 7] (gpm) | Water Elevation[2] (ft amsl) | Flow (gpm) | Water Elevation[2] (ft amsl) | Flow (gpm) | Water Elevation[2] (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow (gpm) | Water Elevation (ft amsl) | Flow[5] (gpm) | Water Elevation (ft amsl) | Flow[5 7 9] (gpm) | Water Elevation[2] (ft amsl) | Flow[12] (gpm) | Water Elevation[2] (ft amsl) |
| 02/01/17 | 0.70 | 1711.63 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.7 | 1719.35 | 0.93 | 1716.09 | 1.9 | 1715.64 | 1.6 | 1714.72 | 7.5 | < 1710.00 |
| 02/02/17 | 0.70 | 1711.62 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.7 | 1719.37 | 0.94 | 1716.40 | 1.9 | 1715.73 | 1.4 | 1715.27 | 7.5 | < 1710.00 |
| 02/03/17 | 0.39 | 1711.62 | 0.93 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.93 | 1707.16 | 3.7 | 1719.37 | 0.93 | 1716.40 | 1.9 | 1715.73 | 1.2 | 1715.27 | 7.5 | < 1710.00 |
| 02/04/17 | 1.0 | 1711.63 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.15 | 3.8 | 1719.41 | 0.94 | 1718.28 | 1.9 | 1715.81 | 1.3 | 1717.32 | 7.5 | < 1710.00 |
| 02/05/17 | 0.70 | 1711.63 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.8 | 1719.46 | 0.94 | 1718.45 | 1.9 | 1715.85 | 0.92 | 1717.94 | 7.5 | < 1710.00 |
| 02/06/17 | 0.70 | 1711.63 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.8 | 1719.48 | 0.94 | 1718.61 | 1.9 | 1715.87 | 0.94 | 1718.04 | 7.5 | < 1710.00 |
| 02/07/17 | 0.70 | 1711.62 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.7 | 1719.48 | 0.93 | 1718.43 | 1.9 | 1715.88 | 0.94 | 1718.02 | 7.5 | < 1710.00 |
| 02/08/17 | 0.70 | 1711.63 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.8 | 1719.49 | 0.94 | 1718.56 | 1.9 | 1716.02 | 1.0 | 1717.72 | 7.5 | < 1710.00 |
| 02/09/17 | 0.70 | 1711.64 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.7 | 1719.53 | 0.94 | 1718.56 | 1.9 | 1715.99 | 0.93 | 1718.75 | 7.5 | < 1710.00 |
| 02/10/17 | 0.70 | 1711.64 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.8 | 1719.54 | 0.94 | 1718.65 | 1.9 | 1716.08 | 0.93 | 1718.97 | 7.5 | < 1710.00 |
| 02/11/17 | 0.70 | 1711.63 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.8 | 1719.51 | 0.94 | 1718.65 | 1.9 | 1716.09 | 0.93 | 1719.20 | 7.5 | < 1710.00 |
| 02/12/17 | 0.70 | 1711.63 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.7 | 1719.53 | 0.94 | 1718.65 | 1.9 | 1716.18 | 0.94 | 1719.26 | 7.5 | < 1710.00 |
| 02/13/17 | 0.70 | 1711.64 | 0.65 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.93 | 1707.16 | 3.7 | 1719.58 | 0.76 | 1719.41 | 1.9 | 1716.41 | 0.93 | 1719.89 | 7.4 | 1710.07 |
| 02/14/17 | 0.70 | 1711.64 | 0.77 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.15 | 3.7 | 1719.58 | 0.77 | 1719.43 | 1.9 | 1716.45 | 0.92 | 1720.86 | 7.5 | 1710.01 |
| 02/15/17 | 0.70 | 1711.60 | 0.69 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.20 | 3.8 | 1719.60 | 0.81 | 1719.30 | 1.9 | 1716.50 | 0.40 | 1721.70 | 7.5 | < 1710.00 |
| 02/16/17 | 0.70 | 1711.60 | 0.89 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.20 | 3.7 | 1719.60 | 0.70 | 1719.40 | 1.9 | 1716.50 | 0.40 | 1721.70 | 7.6 | 1710.20 |
| 02/17/17 | 0.70 | 1711.60 | 0.89 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.20 | 3.7 | 1719.70 | 0.70 | 1719.40 | 1.9 | 1716.60 | 0.40 | 1721.70 | 7.6 | 1710.30 |
| 02/18/17 | 0.70 | 1711.63 | 0.93 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.15 | 3.7 | 1719.65 | 0.70 | 1719.38 | 1.9 | 1716.64 | 0.41 | 1721.68 | 7.3 | 1710.06 |
| 02/19/17 | 0.70 | 1711.63 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.7 | 1719.61 | 0.70 | 1719.36 | 1.9 | 1716.66 | 0.42 | 1721.68 | 7.5 | < 1710.00 |
| 02/20/17 | 0.70 | 1711.63 | 0.94 | < 1707.00 | 5.6 | < 1710.00 | 0.47 | < 1705.00 | 0.94 | 1707.16 | 3.8 | 1719.61 | 0.70 | 1719.37 | 1.9 | 1716.70 | 0.41 | 1721.72 | 7.5 | < 1710.00 |
| 02/21/17[3] | 0.75 | 1711.63 | 0.83 | < 1707.00 | 5.5 | < 1710.00 | 0.55 | < 1705.00 | 0.92 | 1707.16 | 4.4 | 1719.65 | 0.81 | 1719.30 | 3.3 | 1716.73 | 0.41 | 1721.72 | 7.9 | < 1710.00 |
| 02/22/17 | 0.75 | 1711.63 | 0.80 | < 1707.00 | 5.5 | < 1710.00 | 0.52 | < 1705.00 | 0.89 | 1707.16 | 4.4 | 1719.67 | 0.84 | 1719.20 | 1.7 | 1716.75 | 0.40 | 1721.98 | 8.0 | 1710.21 |
| 02/23/17 | 0.75 | 1711.62 | 1.2 | < 1707.00 | 5.5 | < 1710.00 | 0.52 | < 1705.00 | 0.89 | 1707.15 | 4.4 | 1719.65 | 0.85 | 1719.12 | 1.8 | 1715.49 | 0.94 | 1715.15 | 8.0 | 1710.07 |
| 02/24/17 | 0.75 | 1711.62 | 1.6 | < 1707.00 | 5.5 | < 1710.00 | 0.52 | < 1705.00 | 0.89 | 1707.15 | 4.4 | 1719.64 | 0.86 | 1719.13 | 3.9 | 1715.78 | 1.5 | 1716.99 | 8.0 | < 1710.00 |
| 02/25/17 | 0.76 | 1711.63 | 1.6 | < 1707.00 | 5.4 | < 1710.00 | 0.52 | < 1705.00 | 0.89 | 1708.78 | 4.3 | 1719.72 | 0.85 | 1720.34 | 3.9 | 1716.49 | 1.2 | 1717.96 | 7.8 | 1720.91 |
| 02/26/17[4] | 0.76 | 1711.63 | 1.2 | < 1707.00 | 5.4 | < 1710.00 | 0.52 | < 1705.00 | 0.89 | 1707.15 | 4.4 | 1719.78 | 0.71 | 1719.95 | 1.8 | 1716.53 | 1.1 | 1718.46 | 7.6 | 1712.12 |
| 02/27/17[3] | 0.75 | 1711.63 | 1.4 | < 1707.00 | 5.4 | < 1710.00 | 0.53 | < 1705.00 | 0.91 | 1707.15 | 4.4 | 1719.79 | 0.73 | 1719.77 | 3.5 | 1716.54 | 2.0 | < 1705.00 | 7.8 | 1712.05 |
| 02/28/17 | 0.76 | 1711.62 | 1.2 | < 1707.00 | 5.4 | < 1710.00 | 0.52 | < 1705.00 | 0.89 | 1707.15 | 4.4 | 1719.73 | 0.72 | 1719.76 | 1.7 | 1716.64 | 1.9 | 1710.02 | 7.9 | 1711.82 |
| Monthly Average | 0.72 | 1711.63 | 0.99 | < 1707.00 | 5.6 | < 1710.00 | 0.49 | < 1705.00 | 0.93 | 1707.22 | 3.9 | 1719.57 | 0.84 | 1718.83 | 2.1 | 1716.22 | 0.95 | 1718.17 | 7.6 | 1710.64 |
| 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 (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date | Conc (mg/L) | Date |
| Perchlorate | 1,400 | 2/27/2017 | 1,200 | 2/27/2017 | 650 | 2/27/2017 | 1,900 | 2/27/2017 | 2,000 | 2/27/2017 | 1,100 | 2/16/2017 | 1,000 | 2/27/2017 | 1,100 | 2/27/2017 | 1,700 | 2/27/2017 | 590 | 2/16/2017 |
| Hexavalent Chromium | 19 | 2/27/2017 | 0.16 | 2/27/2017 | 0.40 | 2/27/2017 | 20 | 2/27/2017 | 19 | 2/27/2017 | 16 | 2/16/2017 | 17 | 2/27/2017 | 7.2 | 2/27/2017 | 0.21 | 2/27/2017 | 9.0 | 2/16/2017 |
| Total Chromium | 20 B | 2/27/2017 | 0.17 | 2/27/2017 | 0.45 | 2/27/2017 | 22 B | 2/27/2017 | 20 B | 2/27/2017 | 14 | 2/16/2017 | 16 B | 2/27/2017 | 8.1 B | 2/27/2017 | 0.24 | 2/27/2017 | 8.4 | 2/16/2017 |

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).

B= Compound was found in the blank and sample.

1: Analytical results are reported from TestAmerica.

2: 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.

3: On 2/21 and 2/27, IWF totalizers were reset.

4: On 2/26, IWF off briefly for tank maintenance.

5: On 2/23, I-AA, I-C, I-D, I-L, I-M, I-R, I-X, and I-Y flows were increased to meet flow targets as directed by the Trust.

7: On 2/27, I-B, I-C, I-R, and I-Y flows were increased to meet flow targets as directed by the Trust.

9: On 2/8, I-L, I-O, and I-Y flows were adjusted to meet flow targets as directed by the Trust.

12: On 2/25, I-Z flow increased to meet flow targets as directed by the Trust.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LS #2 | GWTP Effluent | | | | GW-11 Influent | | | | FBR Plant Influent[1] | | | | | | | |
| Date | Flow[3] (gpm) | Flow (gpm) | TA - Cr (TR) (mg/L) | TA - Cr (VI) (mg/L) | TA - $ClO_4$ (mg/L) | Flow[4 5] (gpm) | Cr (TR) (mg/L) | Cr (VI) (mg/L) | $ClO_4$ (mg/L) | Flow[4 5 6 7 8] (gpm) | TA - $ClO_4$ (mg/L) | ETI - $ClO_4$[9] (mg/L) | TA - $ClO_3$ (mg/L) | TA - $SO_4$[10] (mg/L) | TA - $NO_3$ - N (mg/L) | TA - Cr (TR) (mg/L) | TA - Cr (VI) (mg/L) |
| 02/01/17 | 937.4 | 83.2 | | | | 0.00 | | | | 1,020.6 | | 82.00 | | | | | |
| 02/02/17 | 937.5 | 82.2 | 0.27 | ND | 780 | 0.00 | | | | 1,019.7 | | 76.69 | | | | | |
| 02/03/17 | 929.9 | 82.7 | | | | 0.00 | | | | 1,012.5 | | 73.95 | | | | | |
| 02/04/17 | 937.0 | 81.7 | | | | 0.00 | | | | 1,018.7 | 100 | 79.39 | | | | | |
| 02/05/17 | 937.2 | 81.2 | | | | 0.00 | | | | 1,018.4 | | 79.06 | | | | | |
| 02/06/17 | 884.5 | 82.3 | | | | 4.5 | | | | 966.8 | | 88.00 | 170 | NA | 11 | 0.075 | 0.059 |
| 02/07/17 | 937.6 | 82.0 | | | | 0.00 | | | | 1,277.7 | | 79.00 | | | | | |
| 02/08/17 | 937.6 | 82.7 | | | | 0.00 | | | | 962.7 | | 96.05 | | | | | |
| 02/09/17 | 937.7 | 81.7 | 0.16 | ND | 780 | 357.8 | | | | 1,033.2 | | 70.00 | | | | | |
| 02/10/17 | 937.5 | 79.3 | | | | 950.9 | | | | 977.0 | | 135.00 | | | | | |
| 02/11/17 | 937.5 | 76.0 | | | | 915.7 | | | | 981.4 | 93 | 66.00 | | | | | |
| 02/12/17 | 937.4 | 73.0 | | | | 915.2 | | | | 981.1 | | 70.00 | | | | | |
| 02/13/17 | 937.4 | 74.7 | | | | 911.4 | 0.10 | 0.078 | 78 | 975.5 | | 82.00 | | | 7.8 | 0.039 | 0.035 |
| 02/14/17 | 937.4 | 76.6 | | | | 353.8 | | | | 1,014.0 | | 88.62 | | | | | |
| 02/15/17 | 938.4 | 77.0 | | | | 0.00 | | | | 1,098.0 | | 95.00 | | | | | |
| 02/16/17 | 936.7 | 76.9 | 0.34 | ND | 790 | 0.00 | | | | 1,096.0 | | 104.32 | | | | | |
| 02/17/17 | 937.7 | 77.0 | | | | 0.00 | | | | 1,093.4 | | 102.36 | | | | | |
| 02/18/17 | 937.3 | 76.5 | | | | 0.00 | | | | 1,089.6 | 110 | 107.00 | | | | | |
| 02/19/17 | 938.1 | 77.7 | | | | 0.00 | | | | 1,091.4 | | 101.95 | | | | | |
| 02/20/17 | 936.9 | 76.4 | | | | 0.00 | | | | 1,088.9 | | 102.22 | | | | | |
| 02/21/17 | 857.9 | 73.4 | | | | 0.00 | | | | 969.8 | | 105.89 | | | 12 | 0.069 | 0.066 |
| 02/22/17 | 852.4 | 74.9 | | | | 0.00 | | | | 955.4 | | 99.15 | | | | | |
| 02/23/17 | 831.0 | 82.6 | 0.13 | ND | 820 | 0.00 | | | | 938.2 | | 111.00 | | | | | |
| 02/24/17 | 828.7 | 87.5 | | | | 0.00 | | | | 965.0 | | 117.00 | | | | | |
| 02/25/17 | 829.1 | 87.6 | | | | 0.00 | | | | 974.8 | 110 | 114.00 | | | | | |
| 02/26/17 | 827.9 | 78.8 | | | | 0.00 | | | | 950.8 | | 100.30 | | | | | |
| 02/27/17 | 825.0 | 82.9 | | | | 0.00 | | | | 957.1 | | 111.00 | | | 12 | 0.077 | 0.073 |
| 02/28/17 | 827.8 | 83.8 | | | | 0.00 | | | | 958.8 | | 111.40 | | | | | |
| Monthly Average[2] | 906.0 | 79.7 | 0.21 | ND | 795 | 157.5 | 0.10 | 0.078 | 78 | 1,017.4 | 103 | 94.36 | 170 | NA | 11 | 0.065 | 0.057 |

Notes:

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

NA = Not Analyzed; 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).

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

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

3: On 2/6, LS #2 down intermittently from 7:37 am to 9:20 am due to maintenance event. GWTP flows routed through GW-11 Influent during LS #2 maintenance.

4: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 2/1 to 2/9 due to FBR plant influent strainers clogging.

5: From 2/14 to 2/28, LS #2 and GWTP flows bypassed GW-11 Influent and FBR Plant Influent totalizers due to FBR plant influent strainers clogging, with the exception of 25 to 83 gpm flowing from GW-11 into the FBR Plant Influent totalizer to decrease GW-11 volume as directed by the Trust.

6: From 2/1 to 2/7 and on 2/14, FBR Plant Influent flows estimated using LS #2 and GWTP.

7: From 2/8 to 2/9, FBR plant was in recycle. FBR Plant Influent flow was estimated by using 1st Stage FBR Influent flow.

8: From 2/15 to 2/28, total FBR Plant Influent flow estimated by summing LS #2, GWTP, and FBR Plant Influent totalizers.

9: On 2/8, no ETI perchlorate measurement available. Monthly average was used.

10: Sulfate is not required for permitting and was not sampled during chlorate sampling as directed by the Trust.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 1st Stage FBR Influent | | | 2nd Stage FBR Influent | | | FBR Plant Effluent[1 11] | | | | | | | | |
| | Flow[12] (gpm) | pH (s.u.) | ORP[13] (mV) | Flow[12] (gpm) | pH (s.u.) | ORP[13] (mV) | Flow (gpm) | TA - $ClO_4$ (mg/L) | ETI - $ClO_4$[12] (mg/L) | TA - $ClO_3$ (mg/L) | TA - Cr (TR) (mg/L) | TA - Cr (VI) (mg/L) | TA - $SO_4$[10] (mg/L) | TA - $NO_3$ - N (mg/L) | ETI - Turbidity[12] (NTU) |
| 02/01/17 | 1,066.2 | 7.5 | -374 | 949.1 | 6.6 | -393 | 974.2 | | ND | | | | | | 8 |
| 02/02/17 | 1,052.5 | 7.5 | -378 | 868.1 | 6.7 | -374 | 839.8 | | ND | | | | | | 7 |
| 02/03/17 | 1,054.5 | 7.4 | -384 | 916.0 | 6.7 | -396 | 976.1 | | ND | | | | | | 3 |
| 02/04/17 | 1,079.8 | 7.3 | -397 | 877.9 | 6.7 | -405 | 972.2 | ND | ND | | | | | | 2 |
| 02/05/17 | 1,074.0 | 7.3 | -396 | 939.8 | 6.7 | -409 | 980.8 | | ND | | | | | | 2 |
| 02/06/17 | 1,070.1 | 7.6 | -386 | 851.6 | 6.7 | -395 | 950.3 | | ND | 0.020 | 0.022 | ND | NA | ND | 42 |
| 02/07/17 | 1,061.7 | 7.6 | -339 | 844.5 | 6.7 | -380 | 880.2 | | ND | | | | | | 2 |
| 02/08/17 | 981.5 | 8.2 | -365 | 839.7 | 6.8 | -327 | 66.8 | | ND | | | | | | 17 |
| 02/09/17 | 962.7 | 8.0 | -314 | 646.0 | 6.9 | -373 | 273.5 | | ND | | | | | | 10 |
| 02/10/17 | 1,033.2 | 7.4 | -289 | 803.2 | 6.8 | -368 | 938.1 | | ND | | | | | | 20 |
| 02/11/17 | 670.3 | 7.4 | -334 | 812.8 | 6.7 | -365 | 835.4 | ND | ND | | | | | | 15 |
| 02/12/17 | 1,048.3 | 7.4 | -356 | 830.9 | 6.7 | -354 | 471.7 | | ND | | | | | | 18 |
| 02/13/17 | 999.1 | 7.6 | -376 | 817.1 | 6.8 | -370 | 952.2 | | ND | | 0.027 | ND | | ND | 15 |
| 02/14/17 | 1,033.4 | 7.6 | -384 | 835.6 | 6.8 | -372 | 972.9 | | ND | | | | | | 25 |
| 02/15/17 | 1,011.6 | 7.5 | -343 | 901.2 | 6.8 | -377 | 976.1 | | ND | | | | | | 40 |
| 02/16/17 | 919.9 | 7.6 | -355 | 781.8 | 6.8 | -375 | 985.5 | | ND | | | | | | 55 |
| 02/17/17 | 1,019.7 | 7.5 | -353 | 938.5 | 6.8 | -372 | 963.5 | | ND | | | | | | 48 |
| 02/18/17 | 994.9 | 7.5 | -351 | 809.5 | 6.8 | -374 | 989.6 | ND | ND | | | | | | 43 |
| 02/19/17 | 995.9 | 7.4 | -339 | 882.7 | 6.7 | -379 | 985.6 | | ND | | | | | | 22 |
| 02/20/17 | 1,025.2 | 7.4 | -342 | 1,034.3 | 6.8 | -384 | 977.9 | | ND | | | | | | 40 |
| 02/21/17 | 1,029.8 | 7.6 | -351 | 915.6 | 6.8 | -383 | 997.6 | | ND | | 0.011 | ND | | ND | 20 |
| 02/22/17 | 1,041.2 | 7.2 | -329 | 910.2 | 6.7 | -380 | 978.7 | | ND | | | | | | 15 |
| 02/23/17 | 1,028.1 | 7.2 | -323 | 896.0 | 6.6 | -380 | 961.6 | | ND | | | | | | 26 |
| 02/24/17 | 1,065.3 | 7.1 | -316 | 852.9 | 6.6 | -381 | 980.4 | | ND | | | | | | 18 |
| 02/25/17 | 1,042.3 | 7.1 | -308 | 870.6 | 6.6 | -384 | 992.5 | ND | ND | | | | | | 18 |
| 02/26/17 | 1,010.5 | 7.1 | -317 | 866.2 | 6.6 | -389 | 970.0 | | ND | | | | | | 8 |
| 02/27/17 | 1,053.0 | 7.0 | -301 | 924.6 | 6.6 | -388 | 983.1 | | ND | | 0.013 | ND | | ND | 22 |
| 02/28/17 | 1,044.9 | 6.9 | -284 | 907.1 | 6.6 | -388 | 974.7 | | ND | | | | | | 15 |
| Monthly Average[2] | 1,016.8 | 7.4 | -346 | 868.7 | 6.7 | -380 | 885.7 | ND | ND | ND | 0.018 | ND | NA | ND | 21 |

Notes:

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

NA = Not Analyzed; 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).

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.

10: Sulfate is not required for permitting and was not sampled during chlorate sampling as directed by the Trust.

11: 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.

12: On 2/8, 1st and 2nd Stage FBR Influent flow and ETI FBR Plant Effluent perchlorate and turbidity were not available. Monthly averages were used.

13: On 2/7, 1st and 2nd Stage ORP measurements not available. Monthly averages were used.

| GW-11 Level Monitoring | | |
|---|---|---|
| Date | Field Measurement (ft) | Volume (MG) |
| 2/14/2017 | 16.4 | 55.0 |
| 2/28/2017 | 16.8 | 54.5 |

| GW-11 Leak Detection Monitoring | | | | |
|---|---|---|---|---|
| Date | Amount Pumped[1] (gallons) | | | |
| | NW Corner | NE Corner | SW Corner | SE Corner |
| 2/10/2017 | 604 | 0 | 0 | 0 |
| 2/23/2017 | 0 | 0 | 0 | 0 |

| GW-11 Composite Sample[2] | | |
|---|---|---|
| Analytes | Concentration | Units |
| Perchlorate | 74 | mg/L |
| Chlorate | 130 | mg/L |
| Ammonia as N | 0.36 | mg/L |
| Total Phosphorus | 0.035 J | mg/L |
| Total Dissolved Solids (TDS) | 6,100 | mg/L |
| Total Suspended Solids (TSS) | 37 | mg/L |
| pH | 8.3 | s.u. |
| Calcium | 300 | mg/L |
| Iron | 0.15 | mg/L |
| Chromium (total) | 0.051 | mg/L |
| Chromium VI | 0.033 | mg/L |
| Chloride | 1,600 | mg/L |
| Nitrate as N | 6.3 | mg/L |
| Sulfate | 1,500 | mg/L |

Notes:

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).

J= Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. Indicates an Estimated Value for TICs.

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

2: Corner Composite Sample collected quarterly, most recent sampling results presented. Sampled on: February 14, 2017 by Envirogen.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | |
|---|---|---|---|---|---|---|
| Date | Flow[1] (gpm) | FBR Influent Concentration | | | Influent Function Load[2] (lbs/day) | 6 Month Rolling Average (lbs/day) |
| | | $ClO_4$ (mg/L) | $NO_3$ as N (mg/L) | $ClO_3$ (mg/L) | | |
| Mar 2016 | 960 | 84 | 9.0 | 160 | 581 | 598 |
| April 2016 | 944 | 84 | 9.0 | 160 | 572 | 595 |
| May 2016 | 976 | 98 | 9.0 | 230 | 760 | 639 |
| June 2016 | 902 | 75 | 9.3 | 130 | 476 | 629 |
| July 2016 | 878 | 86 | 11 | 140 | 519 | 626 |
| Aug 2016 | 901 | 80 | 9.2 | 180 | 577 | 581 |
| Sep 2016 | 843 | 78 | 7.7 | 150 | 470 | 562 |
| Oct 2016 | 860 | 86 | 8.6 | 190 | 573 | 563 |
| Nov 2016 | 935 | 85 | 7.1 | 120 | 473 | 515 |
| Dec 2016 | 979 | 96 | 9.0 | 170 | 638 | 542 |
| Jan 2017 | 1,005 | 100 | 9.9 | 170 | 675 | 568 |
| Feb 2017 | 1,017 | 103 | 11 | 170 | 697 | 588 |

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: FBR loading calcuated 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[6] | | | |
| | Flow (gpm) | Water Elevation (ft amsl) | Cr (VI)[3] (mg/L) | $ClO_4$[3] (mg/L) | Flow (gpm) | Water Elevation (ft amsl) | Cr (VI)[4] (mg/L) | $ClO_4$[4] (mg/L) | Flow (gpm) | Water Elevation (ft amsl) | Cr (VI)[5] (mg/L) | $ClO_4$[5] (mg/L) | Flow (gpm) | Water Elevation (ft amsl) | Cr (VI)[1] (mg/L) | $ClO_4$[1] (mg/L) |
| 02/01/17 | 5.3 | 1,715.22 | | | 1.5 | 1,713.94 | | | 1.4 | 1,710.97 | | | 0.00 | | | |
| 02/02/17 | 3.3 | 1,714.08 | 0.024 | 1,100 | 0.00 | 1,727.01 | 0.024 | 1,400 | 0.89 | 1,710.97 | 0.092 | 1,500 | 0.00 | | | |
| 02/03/17 | *3.3* | 1,715.39 | | | *0.37* | 1,727.37 | | | *0.91* | 1,711.00 | | | 0.00 | | | |
| 02/04/17 | *3.3* | | | | *0.37* | | | | *0.91* | | | | 0.00 | | | |
| 02/05/17 | 3.3 | | | | 0.37 | | | | 0.91 | | | | 0.00 | | | |
| 02/06/17 | 3.1 | 1,716.68 | 0.024 | 1,200 | 0.91 | 1,723.20 | 0.025 | 2,100 | 0.85 | 1,710.95 | 0.083 | 1,700 | 0.00 | | | |
| 02/07/17 | 3.3 | 1,715.72 | | | 1.0 | 1,719.65 | | | 0.90 | 1,710.96 | | | 0.00 | | | |
| 02/08/17 | 3.4 | 1,715.85 | | | 1.1 | 1,718.75 | | | 0.95 | 1,710.94 | | | 0.00 | | | |
| 02/09/17 | 3.2 | 1,715.16 | 0.020 | 1,200 | 1.0 | 1,715.75 | 0.029 | 2,100 | 0.91 | 1,710.96 | 0.078 | 1,850 | 0.00 | | | |
| 02/10/17 | *3.1* | 1,717.24 | | | *0.91* | 1,718.13 | | | *0.93* | 1,710.96 | | | 0.00 | | | |
| 02/11/17 | *3.1* | | | | *0.91* | | | | *0.93* | | | | 0.00 | | | |
| 02/12/17 | 3.1 | | | | 0.91 | | | | 0.93 | | | | 0.00 | | | |
| 02/13/17 | 3.4 | 1,714.00 | 0.022 | 1,100 | 1.0 | 1,717.28 | 0.026 | 2,100 | 0.99 | 1,710.96 | 0.079 | 1,900 | 0.00 | | | |
| 02/14/17 | 3.0 | 1,715.93 | | | 0.87 | 1,717.30 | | | 0.88 | 1,710.96 | | | 0.00 | | | |
| 02/15/17 | 3.2 | 1,715.94 | | | 1.0 | 1,718.05 | | | 0.95 | 1,710.96 | | | 0.00 | | | |
| 02/16/17 | *3.1* | 1,715.85 | 0.022 | 1,100 | *0.99* | 1,716.83 | 0.030 | 2,200 | *0.94* | 1,710.96 | 0.084 | 1,800 | 0.00 | | | |
| 02/17/17 | *3.1* | | | | *0.99* | | | | *0.94* | | | | 0.00 | | | |
| 02/18/17 | *3.1* | | | | *0.99* | | | | *0.94* | | | | 0.00 | | | |
| 02/19/17 | 3.1 | | | | 0.99 | | | | 0.94 | | | | 0.00 | | | |
| 02/20/17 | 3.1 | 1,717.39 | 0.021 | 1,000 | 0.92 | 1,720.16 | 0.022 | 2,100 | 0.89 | 1,710.97 | 0.077 | 1,800 | 0.00 | | | |
| 02/21/17 | 3.7 | 1,713.23 | | | 1.3 | 1,719.48 | | | 1.0 | 1,710.96 | | | 0.00 | | | |
| 02/22/17 | 3.0 | 1,713.60 | | | 0.98 | 1,715.22 | | | 0.87 | 1,710.96 | | | 0.00 | | | |
| 02/23/17 | 3.3 | 1,714.16 | 0.020 | 1,100 | 1.2 | 1,714.00 | 0.029 | 2,400 | 0.96 | 1,710.97 | 0.070 | 1,550 | 0.00 | | | |
| 02/24/17 | *3.3* | 1,714.71 | | | *1.2* | 1,716.28 | | | *0.96* | 1,710.96 | | | 0.00 | | | |
| 02/25/17 | *3.3* | | | | *1.2* | | | | *0.96* | | | | 0.00 | | | |
| 02/26/17 | 3.3 | | | | 1.2 | | | | 0.96 | | | | 0.00 | | | |
| 02/27/17 | 3.2 | 1,714.22 | 0.022 | 1,035 | 1.2 | 1,713.23 | 0.0310 | 2,600 | 0.93 | 1,710.96 | 0.082 | 1,800 | 0.00 | | | |
| 02/28/17 | 3.2 | 1,713.54 | | | 1.2 | 1,710.54 | | | 0.95 | 1,710.97 | | | 0.00 | | | |
| Monthly Average[2] | 3.3 | 1715.15 | 0.022 | 1,107 | 0.95 | 1718.01 | 0.027 | 2,176 | 0.95 | 1710.97 | 0.081 | 1,726 | 0.00 | | | |

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading. *Italicized* flow rates indicate a totalizer reading was not recorded that day.

1: Analytical results are reported from TestAmerica.

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

3: Duplicates taken on 02/02, 02/13, 02/20 and 02/27 for well E1-1; average of both values is presented and used for calculation purposes.

4: Duplicate taken on 02/06 and 02/16 for well E1-2; average of both values is presented and used for calculation purposes.

5: Duplicate taken on 02/09 and 02/23 for well E1-3; average of both values is presented and used for calculation purposes.

6: No flushing and no pumping occurring at E2 plot from 2/1 to 2/28.

| Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | E2-2[6] | | | | E2-3[6] | | | | E2-4[6] | | | | E2-5[6] | | | |
| | Flow (gpm) | Water Elevation (ft amsl) | Cr (VI)[1] (mg/L) | $ClO_4$[1] (mg/L) | Flow (gpm) | Water Elevation (ft amsl) | Cr (VI)[1] (mg/L) | $ClO_4$[1] (mg/L) | Flow (gpm) | Water Elevation (ft amsl) | Cr (VI)[1] (mg/L) | $ClO_4$[1] (mg/L) | Flow (gpm) | Water Elevation (ft amsl) | Cr (VI)[1] (mg/L) | $ClO_4$[1] (mg/L) |
| 02/01/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/02/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/03/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/04/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/05/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/06/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/07/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/08/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/09/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/10/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/11/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/12/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/13/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/14/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/15/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/16/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/17/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/18/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/19/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/20/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/21/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/22/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/23/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/24/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/25/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/26/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/27/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| 02/28/17 | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |
| Monthly Average[2] | 0.00 | | | | 0.00 | | | | 0.00 | | | | 0.00 | | | |

Notes:

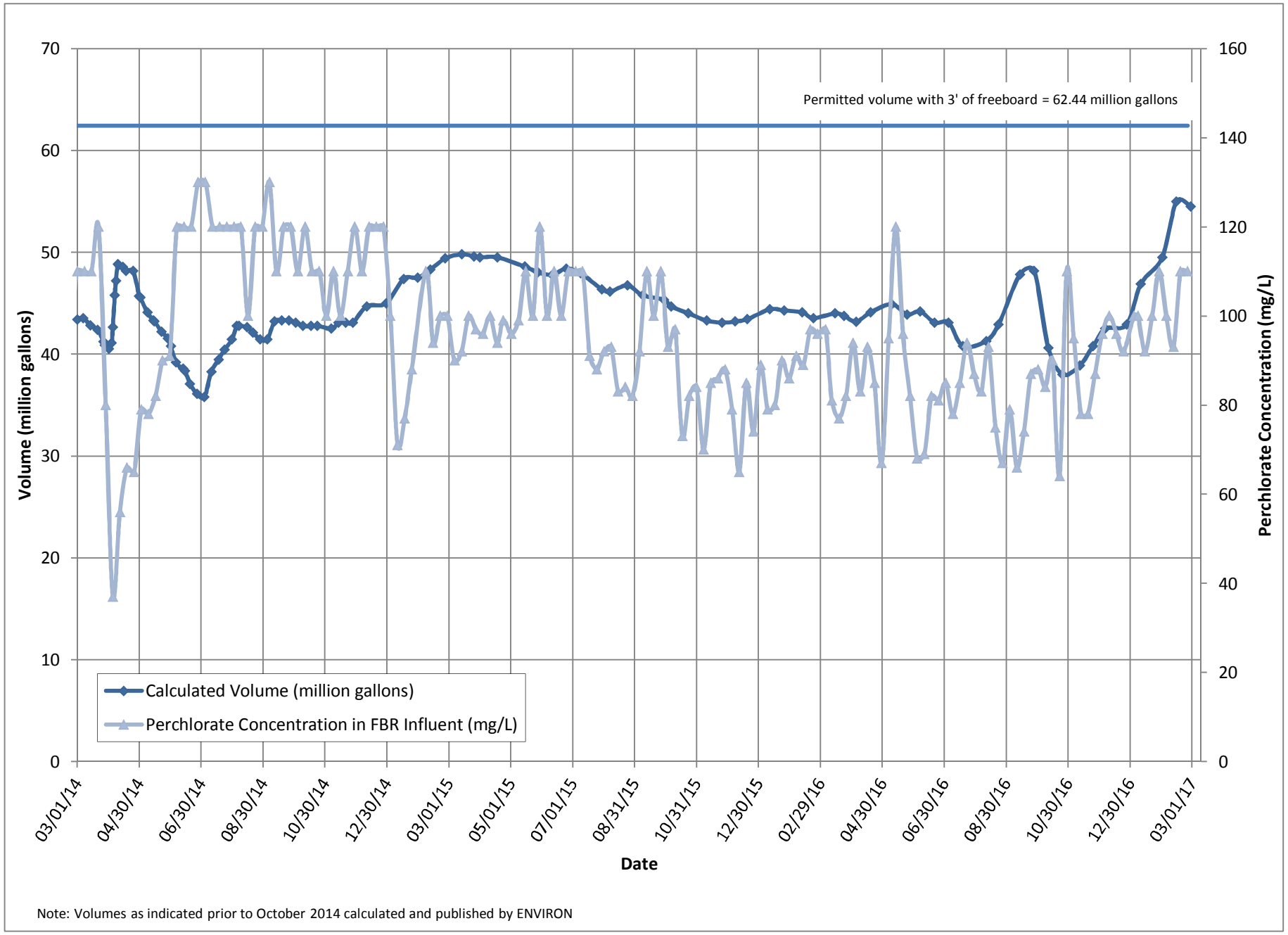
Flow reported as gpm is a daily average calculated from the totalizer reading.

1: Analytical results are reported from TestAmerica.

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

6: No flushing and no pumping occurring at E2 plot from 2/1 to 1/28.

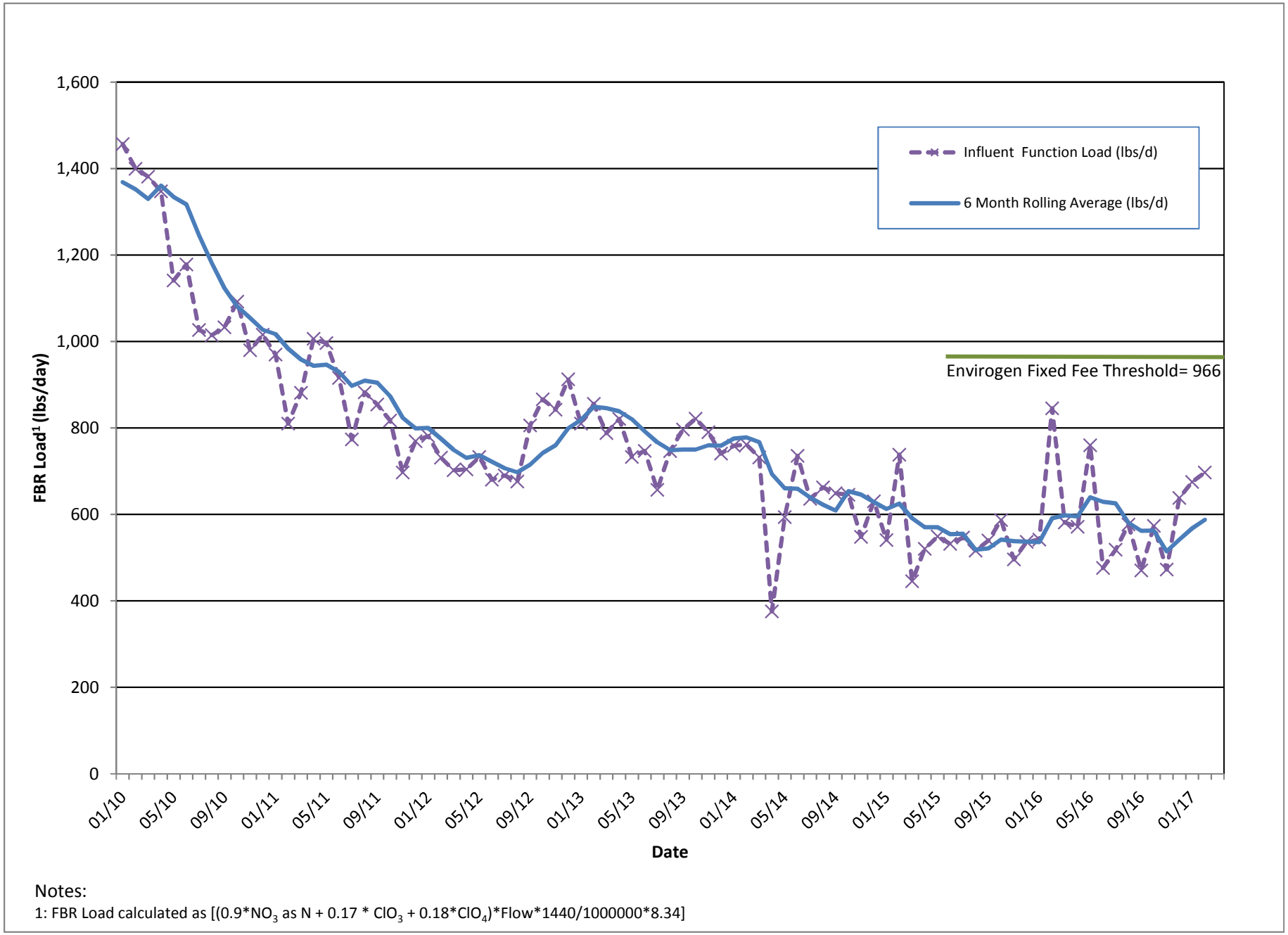
Figure 1 - GW-11 Pond Volume and Perchlorate Concentration




Note: Volumes as indicated prior to October 2014 calculated and published by ENVIRON

Updated: 3/16/2017

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]

Updated:3/16/2017