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[5] (gpm)	Water Elevation[6] (ft amsl)
06/01/18	645	167	1534.82	88	1539.76	130	1541.25	116	1536.26	59	1545.62	101	1546.73	51	1547.81	19	1548.88	9.7	1524.07
06/02/18	643	166	1534.81	88	1539.79	129	1541.24	116	1536.24	59	1545.61	100	1546.72	51	1547.79	19	1548.87	9.7	1524.21
06/03/18	644	169	1534.79	89	1539.45	131	1541.22	117	1536.22	60	1545.59	102	1546.70	51	1547.78	20	1548.85	9.8	1523.82
06/04/18[2]	564	167	1534.77	89	1539.91	130	1541.20	116	1536.20	59	1545.58	101	1546.69	51	1547.76	19	1548.84	9.3	1524.32
06/05/18	643	169	1534.74	89	1539.77	131	1541.18	116	1536.19	60	1545.56	102	1546.67	51	1547.75	20	1548.82	9.8	1523.96
06/06/18	643	168	1535.44	88	1539.83	130	1541.15	116	1536.16	58	1545.55	102	1546.65	51	1547.73	19	1548.80	10	1523.84
06/07/18	650	163	1535.41	86	1539.60	126	1541.15	114	1536.13	58	1545.52	99	1546.63	50	1547.70	18	1548.78	10	1523.53
06/08/18	667	167	1535.39	87	1539.30	130	1541.13	115	1536.11	59	1545.50	100	1546.61	51	1547.69	19	1548.77	10	1523.29
06/09/18	634	168	1535.38	88	1540.12	130	1541.12	116	1536.09	59	1545.48	102	1546.60	51	1547.67	20	1548.75	11	1522.97
06/10/18	634	165	1535.35	86	1540.08	128	1541.09	114	1536.07	58	1545.47	99	1546.57	50	1547.65	19	1548.73	10	1522.58
06/11/18[2]	528	167	1535.34	83	1539.89	130	1541.08	116	1536.05	59	1545.45	101	1546.56	51	1547.64	19	1548.71	11	1522.22
06/12/18	635	167	1535.31	88	1539.78	130	1541.05	116	1536.03	58	1545.44	101	1546.54	51	1547.62	19	1548.70	11	1521.70
06/13/18	643	169	1535.43	87	1539.59	130	1541.06	117	1536.18	60	1545.44	102	1546.54	51	1547.61	20	1548.68	11	1521.28
06/14/18	635	167	1535.39	88	1540.27	130	1541.05	115	1536.12	58	1545.42	101	1546.52	51	1547.59	19	1548.66	10	1520.64
06/15/18	648	168	1535.37	87	1539.44	130	1541.03	116	1536.09	59	1545.41	102	1546.50	51	1547.57	19	1548.65	10	< 1520.00
06/16/18	638	167	1535.34	86	1539.64	129	1541.01	116	1536.07	59	1545.39	100	1546.49	51	1547.56	19	1548.63	10	< 1520.00
06/17/18	640	165	1535.31	86	1539.88	128	1540.99	114	1536.04	58	1545.38	100	1546.47	50	1547.54	19	1548.62	9.6	< 1520.00
06/18/18[2]	578	167	1535.31	89	1540.06	130	1540.98	116	1536.03	59	1545.36	101	1546.46	50	1547.53	19	1548.60	10	< 1520.00
06/19/18	666	167	1535.29	86	1540.03	130	1540.97	116	1536.01	59	1545.36	101	1546.45	51	1547.52	19	1548.60	9.7	< 1520.00
06/20/18	693	168	1535.36	87	1540.44	129	1540.99	116	1536.13	59	1545.36	101	1546.45	51	1547.51	20	1548.59	10	1520.01
06/21/18[3]	602	158	1535.62	83	1540.09	121	1541.06	108	1536.31	55	1545.42	95	1546.50	48	1547.57	18	1548.63	9.8	1520.98
06/22/18	643	167	1535.54	86	1540.13	130	1541.01	115	1536.21	59	1545.37	101	1546.46	51	1547.52	19	1548.59	10	< 1520.00
06/23/18	644	168	1535.50	86	1540.58	130	1540.99	116	1536.16	58	1545.34	101	1546.44	50	1547.50	19	1548.57	9.7	< 1520.00
06/24/18	625	160	1535.47	82	1539.54	124	1540.98	111	1536.14	56	1545.33	97	1546.43	49	1547.50	18	1548.57	9.7	< 1520.00
06/25/18[2]	578	167	1535.46	82	1540.21	130	1540.98	115	1536.12	59	1545.34	101	1546.44	51	1547.51	19	1548.58	9.9	< 1520.00
06/26/18	670	168	1535.47	86	1540.42	130	1540.99	116	1536.12	59	1545.35	101	1546.45	51	1547.52	20	1548.59	9.8	< 1520.00
06/27/18	663	167	1535.46	86	1539.91	129	1540.99	115	1536.11	58	1545.35	101	1546.45	50	1547.52	19	1548.60	10	< 1520.00
06/28/18	647	169	1535.46	86	1540.27	130	1541.00	116	1536.11	59	1545.36	101	1546.46	51	1547.53	20	1548.60	9.8	< 1520.00
06/29/18	667	166	1535.46	86	1540.06	130	1541.00	115	1536.11	58	1545.36	101	1546.47	51	1547.54	19	1548.61	9.7	< 1520.00
06/30/18	669	168	1535.45	86	1540.06	130	1541.00	116	1536.10	59	1545.36	101	1546.47	51	1547.54	19	1548.61	9.7	< 1520.00
Monthly Average	636	167	1535.31	86	1539.93	129	1541.06	115	1536.13	59	1545.44	101	1546.54	50	1547.61	19	1548.68	10	1521.45
Analytical[1]		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[4] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		9.4	6/6/2018	11	6/6/2018	10	6/6/2018	3.7	6/6/2018	6.5	6/6/2018	1.2	6/6/2018	0.17	6/6/2018	0.31	6/6/2018	0.70	6/6/2018
Hexavalent Chromium		0.0044	6/6/2018	0.00024	6/6/2018	ND	6/6/2018	0.0036	6/6/2018	ND	6/6/2018	ND	6/6/2018	ND	6/6/2018	ND	6/6/2018	ND	6/6/2018
Total Chromium		0.0058	6/6/2018	ND	6/6/2018	ND	6/6/2018	0.0047 J	6/6/2018	ND	6/6/2018	ND	6/6/2018	ND	6/6/2018	ND	6/6/2018	ND	6/6/2018

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 06/04, 06/11, 06/18, and 06/25, 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: On 06/21, LS #1 and SWF offline from 6:46 am to 10:15 am for planned equipment inspection.

4: Duplicates taken on 06/06 for well PC-117; average of both values is presented and used for calculations.

5: On 06/06, PC-133 offline briefly for pump and motor maintenance.

6: 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.

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[4] (gpm)	ART-4/4A Water Elevation (ft amsl)	ART-9 Flow[5 6] (gpm)	ART-9 Water Elevation (ft amsl)	ART-7A/7B Flow[7 8 9 10] (gpm)	ART-7A/7B Water Elevation (ft amsl)	ART-8/8A Flow (gpm)	ART-8/8A Water Elevation (ft amsl)	PC-150 Flow[11] (gpm)	PC-150 Water Elevation (ft amsl)
06/01/18	398	39	1582.63	150	1581.42	18	1582.68	4.0	1579.19	58	1580.84	16	1580.73	176	1581.96	1.5	1576.72
06/02/18	398	38	1582.62	149	1581.42	18	1582.67	4.0	1579.19	58	1580.85	16	1580.10	176	1581.96	1.5	1576.72
06/03/18	397	39	1582.62	148	1581.41	18	1582.67	4.0	1579.19	58	1580.85	15	1580.37	175	1581.95	1.5	1576.72
06/04/18[2]	426	39	1582.63	146	1581.42	13	1582.67	4.0	1579.19	65	1580.95	11	1581.16	179	1581.95	1.5	1576.72
06/05/18	399	37	1582.61	144	1581.40	18	1582.66	4.0	1579.19	57	1580.88	15	1580.52	169	1581.93	1.5	1576.74
06/06/18	397	40	1582.60	156	1581.39	19	1582.65	4.0	1579.19	61	1580.85	17	1580.66	182	1581.92	1.5	1576.74
06/07/18	394	38	1582.59	150	1581.38	18	1582.65	4.0	1579.19	59	1580.88	16	1582.00	176	1581.92	1.5	1576.73
06/08/18	395	39	1582.59	150	1581.37	18	1582.64	4.0	1579.19	60	1580.91	16	1580.07	176	1581.91	1.5	1576.74
06/09/18	394	38	1582.58	149	1581.37	18	1582.64	4.0	1579.19	59	1580.92	16	1582.27	176	1581.90	1.5	1576.73
06/10/18	397	38	1582.57	149	1581.36	18	1582.64	4.0	1579.19	59	1580.82	16	1582.59	175	1581.90	1.5	1576.73
06/11/18[2]	372	38	1582.57	151	1581.36	13	1582.63	4.0	1579.19	63	1580.95	18	1582.85	173	1581.90	1.5	1576.73
06/12/18	390	39	1582.58	149	1581.37	18	1582.64	4.0	1579.19	60	1581.12	16	1582.77	174	1581.91	1.5	1576.73
06/13/18	395	38	1582.61	148	1581.40	18	1582.66	4.0	1579.18	63	1581.62	18	1581.47	174	1581.92	1.5	1576.73
06/14/18	390	38	1582.62	150	1581.41	18	1582.66	4.0	1579.18	67	1581.73	18	1579.92	177	1581.93	1.5	1576.73
06/15/18	400	38	1582.65	150	1581.45	18	1582.69	4.0	1579.18	67	1581.83	18	1581.50	175	1581.96	1.5	1576.73
06/16/18	376	39	1582.68	149	1581.47	18	1582.71	4.0	1579.18	69	1581.91	18	1583.16	176	1581.99	1.5	1576.73
06/17/18	377	38	1582.70	149	1581.50	19	1582.73	4.0	1579.18	70	1582.01	18	1581.92	176	1580.41	1.5	1576.73
06/18/18[2]	273	38	1582.71	152	1581.51	20	1582.74	4.0	1579.18	74	1582.01	18	1580.02	177	1582.02	1.5	1576.33
06/19/18	377	38	1582.71	150	1581.51	18	1582.75	4.0	1579.18	72	1582.03	18	1583.44	177	1582.02	1.5	1576.33
06/20/18	378	38	1582.71	149	1581.51	19	1582.74	4.0	1579.18	72	1582.06	18	1579.89	176	1582.03	1.5	1576.33
06/21/18[3]	367	36	1582.77	143	1581.58	18	1582.80	4.0	1579.18	71	1582.02	18	1580.27	169	1582.08	1.5	1576.33
06/22/18	375	38	1582.71	150	1581.50	19	1582.76	4.0	1579.18	63	1582.24	18	1580.50	176	1582.02	1.5	1576.33
06/23/18	364	38	1582.66	148	1581.46	18	1582.72	4.0	1579.17	47	1582.17	18	1580.73	176	1581.98	1.5	1576.33
06/24/18	366	37	1582.63	144	1581.42	19	1582.70	4.0	1579.18	76	1582.14	18	1580.27	170	1581.95	1.5	1576.33
06/25/18[2]	488	38	1582.61	150	1581.40	15	1582.68	4.0	1579.17	37	1582.14	18	1582.32	172	1581.93	1.5	1576.33
06/26/18	382	38	1582.59	149	1581.39	18	1582.68	4.0	1579.17	47	1581.92	20	1582.48	174	1581.91	1.5	1576.33
06/27/18	391	37	1582.58	149	1581.38	19	1582.67	4.0	1579.17	50	1581.64	16	1580.10	175	1581.91	1.5	1576.33
06/28/18	390	38	1582.58	149	1581.37	18	1582.66	4.0	1579.17	49	1581.59	16	1582.06	175	1581.90	1.5	1576.33
06/29/18	389	37	1582.57	149	1581.37	18	1582.66	4.0	1579.17	48	1581.51	17	1581.13	175	1581.90	1.5	1576.32
06/30/18	386	39	1582.57	148	1581.37	18	1582.66	4.0	1579.17	47	1581.45	16	1580.70	175	1581.90	1.5	1576.33
Monthly Average	387	38	1582.63	149	1581.42	18	1582.68	4.0	1579.18	60	1581.49	17	1581.27	175	1581.90	1.5	1576.56
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[12] (mg/L)	Date
Perchlorate		29	6/5/2018	17	6/5/2018	250	6/5/2018	160	6/5/2018	210	6/5/2018	130	6/5/2018	120	6/5/2018	82	6/5/2018
Hexavalent Chromium		ND	6/5/2018	0.0070	6/5/2018	0.35	6/5/2018	0.17	6/5/2018	0.67	6/5/2018	0.54	6/5/2018	0.10	6/5/2018	0.051	6/5/2018
Total Chromium		ND	6/5/2018	0.0080	6/5/2018	0.34	6/5/2018	0.16	6/5/2018	0.62	6/5/2018	0.54	6/5/2018	0.10	6/5/2018	0.055	6/5/2018

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 06/04, 06/11, 06/18, and 06/25, 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: On 06/21, LS #3 and AWF offline from 8:29 am to 10:05 am for planned equipment inspection.

4: Conducted periodic bucket tests to confirm flow rates for ART-4. Average flow of 4.0 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.

5: On 06/22, ART-9 offline at 8:00 pm due to instrument error. Back online at 9:43 am on 06/23 after maintenance.

6: On 06/26, ART-9 offline from 10:08 am to 11:02 am due to maintenance.

7: On 06/04, ART-7B offline intermittently due to maintenance.

8: On 06/13, ART-7B offline from 10:07 am to 2:40 pm due to maintenance.

9: On 06/13, ART-7B was calibrated as part of the maintenance event. Average flows are presented for 06/13-06/25.

10: On 06/26, ART-7B was offline from 11:00 am to 6:41 am on 06/27 for recalibration. ART-7A online from 11:00 am to 6:41 am on 06/27.

11: 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.

12: Duplicates taken on 06/05 for well PC-150; average of both values is presented and used for calculations.

Table Updated: 7/17/2018

Table 3 - Interceptor Well Field (IWF) Operational Metrics

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[5] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[6] (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[7] (gpm)	Water Elevation (ft amsl)	Flow[7 8 9] (gpm)	Water Elevation (ft amsl)	Flow[7 8 9 10 11 12 13] (gpm)	Water Elevation (ft amsl)	Flow[7 9 14] (gpm)	Water Elevation (ft amsl)	Flow[8 12] (gpm)	Water Elevation[15] (ft amsl)
06/01/18	0.19	1722.59	1.1	1707.45	0.00	1719.46	0.00	1723.74	0.00	1725.15	0.45	1709.93	3.4	1707.80	1.3	1705.54	1.1	1712.50	4.2	1706.32
06/02/18	0.19	1722.61	1.1	1707.46	0.00	1719.64	0.00	1723.75	0.00	1725.14	0.45	1709.92	3.4	1707.88	1.2	1705.63	1.1	1712.57	4.2	1705.63
06/03/18	0.19	1722.66	1.1	1707.30	0.00	1719.58	0.00	1723.76	0.00	1725.15	0.45	1709.92	3.5	1707.82	1.2	1709.50	1.1	1712.70	4.2	1705.44
06/04/18[2]	0.18	1722.58	1.0	1707.28	0.00	1719.57	0.00	1723.77	0.00	1725.15	0.47	1709.92	3.4	1707.85	1.1	1709.98	1.1	1712.86	4.2	1705.48
06/05/18	0.19	1722.61	1.1	1707.30	0.00	1719.60	0.00	1723.77	0.00	1725.14	0.46	1709.90	3.2	1707.92	1.1	1709.87	1.1	1713.00	4.2	1705.53
06/06/18	0.19	1722.61	1.1	1707.29	0.00	1719.62	0.00	1723.77	0.00	1725.14	0.44	1709.92	3.3	1707.89	1.1	1713.37	1.1	1713.11	4.2	1705.60
06/07/18	0.19	1722.52	1.1	1707.37	0.00	1719.53	0.02	1723.74	0.01	1725.13	0.44	1709.93	3.3	1707.90	1.1	1713.46	1.1	1713.21	4.2	1705.59
06/08/18	0.19	1722.52	1.1	1708.02	0.00	1719.37	0.00	1723.76	0.00	1725.13	0.44	1709.92	3.3	1707.93	1.1	1713.24	1.1	1713.39	4.2	1705.74
06/09/18	0.19	1722.51	1.1	1707.39	0.00	1719.19	0.00	1723.77	0.00	1725.13	0.44	1709.94	3.2	1707.25	1.2	1714.03	1.1	1708.46	4.2	1705.70
06/10/18[3]	0.19	1722.51	1.1	1707.32	0.00	1719.46	0.00	1723.76	0.00	1725.12	0.47	1709.94	3.3	1707.83	1.3	1713.38	1.1	1714.23	4.2	1705.53
06/11/18[2]	0.18	1722.52	1.1	1707.32	0.00	1719.19	0.00	1723.75	0.00	1725.12	0.48	1709.94	3.0	1707.83	1.2	1705.55	1.2	1710.97	4.2	1708.47
06/12/18	0.19	1722.55	1.1	1707.29	0.02	1719.25	0.00	1723.75	0.00	1725.12	0.47	1709.91	3.3	1707.73	1.3	1705.56	1.1	1712.25	4.2	1708.50
06/13/18	0.18	1722.53	0.99	1708.74	0.00	1719.22	0.00	1723.75	0.00	1725.12	0.47	1709.91	3.3	1707.80	1.3	1705.54	1.1	1708.46	4.1	1708.30
06/14/18	0.18	1722.70	1.0	1708.21	0.00	1719.13	0.00	1723.76	0.00	1725.12	0.44	1709.91	3.2	1708.07	1.3	1706.53	1.1	1708.49	4.1	1707.99
06/15/18	0.18	1722.67	1.0	1708.28	0.00	1719.09	0.00	1723.72	0.00	1725.11	0.44	1709.91	3.2	1707.77	1.1	1705.68	1.1	1708.44	4.1	1708.32
06/16/18	0.18	1722.82	0.93	1708.19	0.00	1719.12	0.00	1723.70	0.00	1725.10	0.43	1709.78	3.3	1707.42	1.2	1706.28	1.2	1708.44	4.0	1707.88
06/17/18	0.19	1722.76	1.1	1707.17	0.00	1719.08	0.00	1723.66	0.00	1725.08	0.44	1709.76	3.4	1707.88	1.2	1708.23	1.2	1708.43	4.0	1707.48
06/18/18[2]	0.18	1722.56	1.0	1707.19	0.00	1719.08	0.00	1723.65	0.00	1725.07	0.41	1709.77	3.0	1707.84	0.80	1709.43	1.2	1708.43	3.9	1708.28
06/19/18[4]	0.16	1724.30	0.98	1707.53	0.00	1719.13	0.00	1723.66	0.00	1725.07	0.42	1709.76	3.0	1707.84	0.97	1717.96	1.1	1708.48	3.8	1708.26
06/20/18	0.23	1721.96	1.1	1707.63	0.00	1719.08	0.00	1723.65	0.00	1725.06	0.44	1709.48	3.2	1707.94	1.3	1705.61	1.2	1708.48	4.0	1708.30
06/21/18	0.20	1722.47	1.1	1707.66	0.00	1719.06	0.00	1723.65	0.00	1725.06	0.43	1709.48	3.2	1707.82	1.3	1705.58	1.1	1708.44	3.9	1708.29
06/22/18	0.20	1722.49	1.1	1707.35	0.00	1719.06	0.00	1723.65	0.00	1725.06	0.43	1709.19	3.1	1707.87	1.3	1705.30	1.1	1708.44	3.9	1707.83
06/23/18	0.22	1722.09	1.1	1707.49	0.00	1719.04	0.00	1723.65	0.00	1725.05	0.44	1709.31	3.2	1707.92	1.2	1705.46	1.1	1708.44	3.9	1707.83
06/24/18	0.21	1722.11	1.1	1707.25	0.00	1719.04	0.00	1723.62	0.00	1725.04	0.43	1709.08	3.1	1707.81	1.2	1705.40	1.1	1708.44	3.9	1707.83
06/25/18[2]	0.21	1722.30	1.1	1708.08	0.00	1719.03	0.00	1723.61	0.00	1725.03	0.41	1709.04	3.3	1707.84	0.81	1705.47	1.2	1708.44	3.6	1707.83
06/26/18	0.21	1722.20	1.0	1708.01	0.00	1719.02	0.00	1723.61	0.00	1725.02	0.44	1709.00	3.1	1707.79	1.2	1705.89	1.1	1708.44	3.8	1707.83
06/27/18	0.21	1721.99	1.0	1708.06	0.00	1719.01	0.00	1723.61	0.00	1725.02	0.43	1709.17	3.1	1707.87	1.2	1705.46	1.1	1708.45	3.8	1707.83
06/28/18	0.21	1722.01	1.0	1708.08	0.00	1719.00	0.00	1723.62	0.00	1725.02	0.44	1709.09	3.1	1707.82	1.2	1712.61	1.1	1708.44	3.8	1707.83
06/29/18	0.21	1722.09	1.0	1708.05	0.00	1718.99	0.00	1723.60	0.00	1725.01	0.43	1709.07	3.1	1707.95	1.2	1708.74	1.1	1708.44	3.8	1707.36
06/30/18	0.23	1721.81	1.0	1707.99	0.00	1718.98	0.00	1723.59	0.00	1725.00	0.43	1709.16	3.1	1707.88	1.1	1708.00	1.1	1708.44	3.8	1707.61
Monthly Average	0.19	1722.49	1.0	1707.66	0.00	1719.22	0.00	1723.70	0.00	1725.09	0.44	1709.63	3.2	1707.83	1.2	1708.41	1.1	1710.04	4.0	1707.21
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	1,200	6/7/2018	77	6/12/2018	170	6/12/2018	280	6/7/2018	160	6/7/2018	330	6/12/2018	710	6/12/2018	610	6/12/2018	520	6/12/2018	870	6/12/2018
Hexavalent Chromium	0.25	6/7/2018	0.058	6/12/2018	ND	6/12/2018	2.2	6/7/2018	1.2	6/7/2018	0.13	6/12/2018	2.2	6/12/2018	4.8	6/12/2018	6.0	6/12/2018	12	6/12/2018
Total Chromium	4.0	6/7/2018	0.065	6/12/2018	0.016	6/12/2018	2.3	6/7/2018	1.2	6/7/2018	0.53	6/12/2018	2.3	6/12/2018	4.6	6/12/2018	6.5	6/12/2018	14	6/12/2018

Notes:

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

1: Analytical results are reported from TestAmerica.

2: On 06/04, 06/11, 06/18, and 06/25, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

3: On 06/10, IWF offline at 3:25 pm due to a tripped breaker. All wells online by 3:58 pm.

4: On 06/19, IWF offline from 9:07 am to 10:53 am due to planned maintenance.

5: On 06/20, I-AR and I-N adjusted to meet flow target as directed by the Trust.

6: On 06/11, a new transducer was installed in I-AB.

7: On 06/09, I-B, I-C, I-D, I-E, I-H, I-M, I-N, I-P, I-R, I-U, and I-Y adjusted to meet flow target as directed by the Trust.

8: On 06/13, I-C, I-D, I-F, I-G, I-H, I-N, I-O, I-R, and I-U adjusted to meet flow target as directed by the Trust.

9: On 06/15, I-C, I-D, I-E, I-M, I-N, I-O, I-P, I-R, I-T, and I-U adjusted to meet flow target as directed by the Trust.

10: On 06/14, I-D, I-G, I-H, I-N, I-O, I-R, and I-U adjusted to meet flow target as directed by the Trust.

11: On 06/25, I-D, I-G, I-H, I-N, I-O, I-R, I-S, and I-W adjusted to meet flow target as directed by the Trust.

12: On 06/26, I-D, I-F, I-H, I-N, I-R, I-S, and I-X adjusted to meet flow target as directed by the Trust.

13: On 06/28, I-D, I-M, I-N, I-O, I-T, and I-U adjusted to meet flow target as directed by the Trust.

14: On 06/11, I-E, I-H, I-M, I-N, I-O, I-R, I-U, and I-W adjusted to meet flow target as directed by the Trust.

15: On 06/11, it was confirmed the I-F transducer had failed. Manual water level measurements will be taken going forward and were started 06/11.

Table Updated: 7/17/2018

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[8 10 11] (gpm)	Water Elevation (ft amsl)	Flow[7 8 10 11 12 14 16] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[18] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[7 9 13 14 16] (gpm)	Water Elevation (ft amsl)	Flow[5 7 8 9 10 11 12 13 14 16] (gpm)	Water Elevation (ft amsl)	Flow [8 9 10 11 13 14 16] (gpm)	Water Elevation (ft amsl)	Flow[7 9] (gpm)	Water Elevation (ft amsl)
06/01/18	0.15	1710.37	1.2	1709.45	5.0	1721.46	6.6	1712.08	3.1	1715.95	1.3	1711.38	2.2	1716.47	2.9	1714.06	0.62	1721.25	2.2	1719.52
06/02/18	0.15	1710.40	1.2	1709.45	5.1	1721.47	6.6	1712.08	3.0	1716.11	1.2	1711.38	2.2	1716.38	2.7	1714.85	0.65	1721.25	2.1	1719.49
06/03/18	0.15	1710.18	1.2	1709.50	5.2	1721.49	6.6	1712.08	3.0	1716.05	1.2	1711.39	2.1	1716.31	2.6	1715.51	0.67	1721.24	2.0	1719.47
06/04/18[2]	0.26	1710.40	1.3	1709.45	5.1	1721.51	6.5	1712.08	3.1	1716.12	1.2	1711.39	2.1	1716.41	2.5	1715.87	0.64	1721.26	1.9	1719.47
06/05/18	0.15	1710.32	1.2	1709.51	5.0	1721.52	6.6	1712.08	3.1	1716.16	1.2	1711.39	2.1	1716.48	2.5	1716.25	0.65	1721.26	2.0	1719.44
06/06/18	0.15	1710.32	1.2	1709.50	5.1	1721.51	6.6	1712.08	3.1	1716.04	1.2	1711.39	2.1	1716.51	2.4	1716.41	0.67	1721.25	2.2	1719.44
06/07/18	0.15	1710.37	1.2	1709.51	5.0	1721.50	6.6	1712.08	3.1	1715.95	1.2	1711.42	2.0	1716.42	2.4	1716.59	0.67	1721.25	2.1	1719.40
06/08/18	0.15	1710.36	1.2	1709.50	5.1	1721.51	6.6	1712.08	3.0	1716.25	1.2	1711.41	1.8	1717.29	2.3	1716.81	0.66	1721.24	2.0	1719.38
06/09/18	0.15	1710.26	1.1	1709.42	5.2	1721.50	6.6	1712.08	3.0	1716.30	1.2	1711.40	1.8	1716.93	2.5	1712.68	0.66	1721.23	1.8	1718.50
06/10/18[3]	0.15	1710.40	1.2	1709.36	5.1	1721.52	6.5	1712.09	3.0	1716.40	1.3	1711.39	1.8	1716.77	2.5	1717.77	0.68	1721.18	2.2	1709.54
06/11/18[2]	0.27	1710.10	1.6	1709.26	5.1	1721.48	6.6	1712.09	3.0	1716.34	1.3	1711.38	2.4	1715.14	2.8	1713.97	0.44	1721.25	2.3	1709.54
06/12/18	0.15	1710.21	1.1	1709.36	5.0	1721.47	6.5	1712.09	3.0	1716.33	1.3	1711.38	2.4	1715.40	2.6	1714.62	0.42	1721.25	2.2	1709.54
06/13/18	0.15	1710.21	1.1	1709.33	5.0	1721.46	6.5	1712.10	3.0	1716.36	1.3	1711.38	2.3	1715.60	2.7	1714.44	0.47	1721.12	2.1	1709.53
06/14/18	0.07	1714.83	1.1	1709.28	5.0	1721.44	6.5	1712.10	2.6	1709.24	1.2	1711.41	2.2	1715.68	2.5	1712.67	0.63	1721.04	2.1	1709.52
06/15/18	0.13	1710.25	1.0	1709.35	5.0	1721.43	6.5	1712.10	3.8	1709.23	1.2	1711.42	2.1	1715.83	2.6	1712.69	0.65	1721.02	2.1	1709.47
06/16/18	0.13	1710.11	1.1	1709.39	5.1	1721.42	6.4	1712.11	3.7	1709.22	1.2	1711.37	2.0	1715.41	2.8	1712.73	0.62	1721.05	2.4	1709.47
06/17/18	0.13	1711.58	1.1	1709.33	5.2	1721.38	6.4	1712.11	3.7	1709.22	1.2	1711.37	2.1	1716.07	2.8	1712.68	0.69	1721.07	2.6	1709.45
06/18/18[2]	0.24	1711.83	1.0	1709.27	5.1	1721.37	6.4	1712.11	4.3	1709.46	1.2	1711.39	2.0	1716.35	3.0	1712.68	0.51	1721.12	2.4	1709.44
06/19/18[4]	0.12	1711.87	1.0	1709.38	4.7	1721.51	6.0	1712.12	3.4	1709.53	1.2	1711.38	1.8	1716.47	2.6	1713.22	0.40	1721.28	2.4	1709.49
06/20/18	0.13	1712.29	1.1	1709.35	5.0	1721.44	6.4	1712.12	3.6	1709.22	1.2	1711.38	1.9	1716.38	2.8	1712.78	0.37	1721.25	2.3	1709.46
06/21/18	0.13	1712.17	1.1	1709.37	5.0	1721.42	6.4	1712.12	3.6	1709.23	1.2	1711.38	1.8	1716.43	2.8	1712.67	0.38	1721.24	2.1	1709.46
06/22/18	0.13	1712.11	1.0	1709.29	5.0	1721.39	6.3	1712.13	3.6	1709.22	1.2	1711.38	2.1	1716.47	2.7	1712.69	0.52	1721.05	2.1	1709.45
06/23/18	0.13	1712.19	1.0	1709.32	5.1	1721.36	6.3	1712.12	3.6	1709.21	1.2	1711.38	2.1	1716.34	2.7	1713.19	0.66	1721.02	2.1	1709.46
06/24/18	0.13	1711.93	1.0	1709.32	5.1	1721.34	6.3	1712.15	3.6	1709.29	1.2	1711.38	2.1	1716.29	2.6	1713.98	0.60	1721.03	2.1	1709.45
06/25/18[2]	0.24	1711.83	1.1	1709.18	5.1	1721.33	6.2	1712.15	4.2	1709.31	1.2	1711.38	2.1	1716.30	3.0	1712.70	0.64	1721.00	2.0	1709.45
06/26/18	0.13	1711.77	1.0	1709.29	5.1	1721.31	6.3	1712.15	3.6	1709.46	1.2	1711.38	2.0	1716.10	2.7	1713.22	0.60	1721.02	2.0	1709.45
06/27/18	0.13	1711.80	1.0	1709.29	5.0	1721.31	6.3	1712.16	3.6	1709.21	1.2	1711.39	2.0	1716.31	2.5	1714.31	0.56	1721.02	2.0	1709.46
06/28/18	0.13	1711.80	1.0	1709.28	5.0	1721.30	6.3	1712.14	3.6	1709.36	1.2	1711.41	2.2	1716.19	2.6	1712.70	0.61	1720.95	2.0	1709.44
06/29/18	0.14	1711.90	1.0	1709.23	5.1	1721.28	6.3	1712.14	3.6	1709.31	1.2	1711.37	2.2	1716.08	2.7	1712.68	0.67	1720.92	2.1	1709.45
06/30/18	0.14	1711.79	1.0	1709.28	5.2	1721.26	6.3	1712.14	3.6	1709.35	1.2	1711.43	2.1	1716.17	2.7	1712.68	0.68	1720.93	2.0	1709.44
Monthly Average	0.15	1711.20	1.1	1709.36	5.1	1721.42	6.4	1712.11	3.4	1712.28	1.2	1711.39	2.1	1716.23	2.7	1714.00	0.59	1721.13	2.1	1712.44
Analytical[1]	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[17] (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	6/13/2018	1,100	6/13/2018	900	6/7/2018	355	6/7/2018	280	6/7/2018	430	6/12/2018	720	6/12/2018	580	6/12/2018	860	6/13/2018	1,000	6/13/2018
Hexavalent Chromium	19	6/13/2018	14	6/13/2018	10	6/7/2018	3.9	6/7/2018	2.2	6/7/2018	1.1	6/12/2018	6.0	6/12/2018	6.3	6/12/2018	16	6/13/2018	15	6/13/2018
Total Chromium	22	6/13/2018	16	6/13/2018	11	6/7/2018	4.0	6/7/2018	2.3	6/7/2018	1.2	6/12/2018	6.7	6/12/2018	6.9	6/12/2018	16	6/13/2018	15	6/13/2018

Notes:

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

1: Analytical results are reported from TestAmerica.

2: On 06/04, 06/11, 06/18, and 06/25, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

3: On 06/10, IWF offline at 3:25 pm due to a tripped breaker. All wells online by 3:58 pm.

4: On 06/19, IWF offline from 9:07 am to 10:53 am due to planned maintenance.

5: On 06/20, I-AR and I-N adjusted to meet flow target as directed by the Trust.

7: On 06/09, I-B, I-C, I-D, I-E, I-H, I-M, I-N, I-P, I-R, I-U, and I-Y adjusted to meet flow target as directed by the Trust.

8: On 06/13, I-C, I-D, I-F, I-G, I-H, I-N, I-O, I-R, and I-U adjusted to meet flow target as directed by the Trust.

9: On 06/15, I-C, I-D, I-E, I-M, I-N, I-O, I-P, I-R, I-T, and I-U adjusted to meet flow target as directed by the Trust.

10: On 06/14, I-D, I-G, I-H, I-N, I-O, I-R, and I-U adjusted to meet flow target as directed by the Trust.

11: On 06/25, I-D, I-G, I-H, I-N, I-O, I-R, I-S, and I-W adjusted to meet flow target as directed by the Trust.

12: On 06/26, I-D, I-F, I-H, I-N, I-R, I-S, and I-X adjusted to meet flow target as directed by the Trust.

13: On 06/28, I-D, I-M, I-N, I-O, I-T, and I-U adjusted to meet flow target as directed by the Trust.

14: On 06/11, I-E, I-H, I-M, I-N, I-O, I-R, I-U, and I-W adjusted to meet flow target as directed by the Trust.

16: On 06/22, I-H, I-M, I-N, I-O, I-T, and I-U adjusted to meet flow target as directed by the Trust.

17: Duplicates taken on 06/07 for well I-J; average of both values is presented and used for calculations.

18: On 6/14, I-K offline from 5:43 am to 12:47 pm for motor replacement.

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[10] (gpm)	Water Elevation (ft amsl)	Flow[7 8 9 10 11 12 14] (gpm)	Water Elevation (ft amsl)	Flow[11 12] (gpm)	Water Elevation (ft amsl)	Flow[9 13 16 20] (gpm)	Water Elevation (ft amsl)	Flow[7 8 9 10 13 14 16] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[11 14] (gpm)	Water Elevation (ft amsl)	Flow[12] (gpm)	Water Elevation (ft amsl)	Flow[7] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[21] (ft amsl)
06/01/18	0.25	1717.70	1.2	1710.82	1.9	1711.03	0.50	1708.67	0.79	1709.31	4.3	1718.95	0.82	1718.69	3.4	1698.20	1.3	1700.05	7.6	< 1707.89
06/02/18	0.25	1717.78	1.1	1710.72	1.9	1711.03	0.50	1708.67	0.79	1709.74	4.3	1718.95	0.82	1718.67	3.4	1698.16	1.3	1700.10	7.4	< 1707.89
06/03/18	0.25	1716.27	1.1	1710.65	1.9	1711.03	0.50	1708.67	0.76	1710.03	4.3	1718.94	0.80	1718.64	3.4	1697.81	1.3	1701.23	7.2	< 1707.89
06/04/18[2]	0.26	1717.70	1.1	1710.58	1.9	1711.04	0.50	1708.67	0.75	1710.14	4.3	1718.94	0.77	1718.61	3.0	1698.09	1.3	1700.25	7.0	< 1707.89
06/05/18	0.26	1717.46	1.1	1710.50	2.0	1711.03	0.49	1708.67	0.76	1710.10	4.3	1718.93	0.78	1718.61	3.4	1698.20	1.3	1700.29	7.3	< 1707.89
06/06/18	0.26	1717.65	1.1	1710.36	1.8	1711.03	0.49	1708.67	0.78	1709.39	4.3	1718.92	0.79	1718.61	3.4	1698.17	1.3	1700.22	7.3	< 1707.89
06/07/18	0.26	1717.77	1.1	1710.42	1.9	1711.03	0.49	1708.67	0.78	1709.83	4.3	1718.89	0.81	1718.58	3.4	1698.24	1.3	1700.18	7.2	< 1707.89
06/08/18	0.26	1717.56	1.1	1710.34	1.9	1711.03	0.49	1708.67	0.75	1710.25	4.3	1718.90	0.82	1718.57	3.4	1703.42	1.3	1700.17	7.4	< 1707.89
06/09/18	0.24	1716.97	1.1	1710.00	1.9	1711.03	0.49	1708.67	0.76	1707.80	4.3	1718.89	0.74	1718.53	3.4	1698.08	1.3	1700.17	7.2	< 1707.89
06/10/18[3]	0.25	1717.29	0.45	1718.49	1.9	1711.03	0.31	1720.79	0.81	1709.14	4.2	1718.88	0.75	1718.53	3.4	1698.23	1.3	1700.40	7.2	< 1707.89
06/11/18[2]	0.25	1717.58	0.73	1715.28	1.9	1711.03	0.46	1709.92	0.82	1708.70	4.3	1718.83	0.86	1712.38	3.9	1698.18	1.3	1700.17	7.0	< 1707.89
06/12/18	0.25	1717.59	0.55	1717.32	1.9	1710.98	0.46	1710.28	0.81	1709.60	4.3	1718.80	0.87	1711.90	3.3	1698.31	1.4	1700.17	7.3	< 1707.89
06/13/18	0.24	1717.67	0.55	1717.32	1.9	1711.01	0.46	1709.62	0.79	1707.86	4.3	1718.77	0.86	1713.78	3.3	1698.30	1.4	1700.15	7.2	< 1707.89
06/14/18	0.24	1717.49	0.96	1712.54	1.9	1710.98	0.46	1709.99	0.83	1707.83	4.3	1718.75	0.85	1711.29	3.3	1698.28	1.3	1700.29	7.2	< 1707.89
06/15/18	0.26	1717.58	1.0	1709.86	1.9	1710.99	0.38	1712.09	0.82	1707.83	4.3	1718.71	0.85	1711.81	3.3	1698.39	1.3	1700.22	7.2	< 1707.89
06/16/18	0.37	1717.47	1.1	1709.38	1.9	1711.00	0.40	1711.79	0.80	1709.05	4.2	1718.71	0.86	1714.65	3.3	1698.23	1.3	1699.77	7.5	< 1707.89
06/17/18	0.28	1719.97	1.0	1709.11	1.9	1711.00	0.41	1711.73	0.77	1709.69	4.2	1718.65	0.88	1714.31	3.3	1701.98	1.3	1699.91	7.6	< 1707.89
06/18/18[2]	0.27	1717.16	1.4	1710.98	1.8	1711.00	0.41	1711.64	0.74	1709.95	4.3	1718.63	0.89	1714.37	3.1	1698.20	1.5	1700.05	7.1	< 1707.89
06/19/18[4]	0.30	1717.18	1.1	1712.41	1.8	1711.00	0.32	1715.63	0.64	1712.13	4.0	1718.80	0.70	1718.47	3.1	1698.30	1.2	1700.09	7.0	< 1707.89
06/20/18	0.34	1716.62	1.1	1711.38	1.9	1711.00	0.31	1715.15	0.65	1712.21	4.3	1718.76	0.65	1718.44	3.3	1698.29	1.3	1700.24	7.2	< 1707.89
06/21/18	0.34	1716.66	1.0	1712.47	1.9	1711.01	0.33	1714.80	0.65	1712.17	4.3	1718.73	0.71	1718.37	3.3	1698.27	1.3	1700.14	7.2	< 1707.89
06/22/18	0.34	1716.73	0.98	1710.30	1.9	1711.01	0.40	1711.63	0.77	1708.53	4.3	1718.66	0.70	1717.82	3.2	1698.24	1.3	1700.19	7.1	< 1707.89
06/23/18	0.34	1716.68	0.97	1711.75	1.9	1711.00	0.42	1710.69	0.82	1708.84	4.3	1718.60	0.68	1717.62	3.3	1698.28	1.3	1700.26	7.2	< 1707.89
06/24/18	0.34	1716.35	0.97	1711.21	1.9	1711.00	0.44	1710.87	0.80	1709.17	4.2	1718.56	0.64	1718.09	3.2	1698.13	1.3	1700.41	7.1	< 1707.89
06/25/18[2]	0.35	1716.31	0.77	1710.54	1.9	1710.96	0.43	1711.18	0.80	1709.17	4.3	1718.53	0.78	1711.16	3.9	1698.18	1.2	1700.37	7.1	< 1707.89
06/26/18	0.34	1716.28	0.91	1710.88	1.8	1710.80	0.42	1711.81	0.79	1709.45	4.3	1718.50	0.77	1710.58	3.2	1697.88	1.3	1700.33	7.1	< 1707.89
06/27/18	0.35	1716.37	0.86	1709.56	1.8	1710.81	0.41	1711.64	0.78	1709.37	4.3	1718.48	0.77	1710.25	3.2	1698.03	1.3	1700.46	7.1	< 1707.89
06/28/18	0.34	1716.26	0.80	1710.81	1.8	1710.81	0.47	1707.77	0.83	1707.64	4.3	1718.46	0.77	1709.44	3.2	1698.20	1.3	1700.33	7.1	< 1707.89
06/29/18	0.33	1716.32	0.84	1710.13	1.8	1710.81	0.48	1707.74	0.84	1707.67	4.3	1718.42	0.82	1708.63	3.2	1698.16	1.3	1699.55	7.2	< 1707.89
06/30/18	0.31	1716.25	0.82	1710.34	1.8	1710.82	0.48	1707.74	0.84	1707.45	4.3	1718.38	0.74	1707.82	3.2	1698.02	1.3	1700.11	7.1	< 1707.89
Monthly Average	0.29	1717.16	0.95	1711.55	1.9	1710.98	0.44	1710.75	0.78	1709.33	4.3	1718.73	0.79	1715.24	3.3	1698.48	1.3	1700.21	7.2	< 1707.89
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	920	6/13/2018	970	6/12/2018	540	6/12/2018	1,800	6/13/2018	1,700	6/13/2018	1,400	6/7/2018	950	6/13/2018	1,000	6/12/2018	890	6/12/2018	480	6/7/2018
Hexavalent Chromium	16	6/13/2018	0.52	6/12/2018	1.3	6/12/2018	19	6/13/2018	18	6/13/2018	14	6/7/2018	16	6/13/2018	8.5	6/12/2018	0.90	6/12/2018	8.6	6/7/2018
Total Chromium	16	6/13/2018	0.52	6/12/2018	1.4	6/12/2018	20	6/13/2018	19	6/13/2018	14	6/7/2018	17	6/13/2018	9.5	6/12/2018	1.1	6/12/2018	10	6/7/2018

Notes:

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

1: Analytical results are reported from TestAmerica.

2: On 06/04, 06/11, 06/18, and 06/25, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

3: On 06/10, IWF offline at 3:25 pm due to a tripped breaker. All wells online by 3:58 pm.

4: On 06/19, IWF offline from 9:07 am to 10:53 am due to planned maintenance.

7: On 06/09, I-B, I-C, I-D, I-E, I-H, I-M, I-N, I-P, I-R, I-U, and I-Y adjusted to meet flow target as directed by the Trust.

8: On 06/13, I-C, I-D, I-F, I-G, I-H, I-N, I-O, I-R, and I-U adjusted to meet flow target as directed by the Trust.

9: On 06/15, I-C, I-D, I-E, I-M, I-N, I-O, I-P, I-R, I-T, and I-U adjusted to meet flow target as directed by the Trust.

10: On 06/14, I-D, I-G, I-H, I-N, I-O, I-R, and I-U adjusted to meet flow target as directed by the Trust.

11: On 06/25, I-D, I-G, I-H, I-N, I-O, I-R, I-S, and I-W adjusted to meet flow target as directed by the Trust.

12: On 06/26, I-D, I-F, I-H, I-N, I-R, I-S, and I-X adjusted to meet flow target as directed by the Trust.

13: On 06/28, I-D, I-M, I-N, I-O, I-T, and I-U adjusted to meet flow target as directed by the Trust.

14: On 06/11, I-E, I-H, I-M, I-N, I-O, I-R, I-U, and I-W adjusted to meet flow target as directed by the Trust.

16: On 06/22, I-H, I-M, I-N, I-O, I-T, and I-U adjusted to meet flow target as directed by the Trust.

19: From 06/16 to 06/17, the pump at I-Q was cycling on and off.

20: On 06/10, I-T offline at 2:53 pm due to instrument error. Motor replaced at 7:20 am on 06/11.

21: 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[4] (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	Flow[5] (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	Flow[5 6] (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)
06/01/18	945	75				0.00				1,020		109				
06/02/18	942	75				0.00				1,059	140	103				
06/03/18	940	75				0.00				1,078		108				
06/04/18[3]	1,063	74				0.00				1,176		112	160	12	0.037	0.029
06/05/18	945	73				0.00				1,032		110				
06/06/18	942	73	0.30	ND	820	5.4	0.071	0.044	66	1,044		116				
06/07/18	946	73				0.00				1,044		121				
06/08/18	963	72				0.00				1,093		107				
06/09/18	937	69				0.00				1,011	140	114				
06/10/18	939	68				0.00				1,015		115				
06/11/18[3]	840	68				0.00				916		120		11	0.048	0.041
06/12/18	933	73				0.00				1,024		118				
06/13/18	944	73	0.17	ND	760	0.00				1,052		119				
06/14/18	933	72				0.00				1,089		112				
06/15/18	890	73				0.00				1,012		117				
06/16/18	918	72				0.00				1,025	130	111				
06/17/18	919	74				0.00				1,043		110				
06/18/18[3]	858	74				0.00				942		114		12	0.043	0.033
06/19/18	940	68				0.00				1,023		116				
06/20/18	967	73	0.44	ND	630	0.00				1,042		109				
06/21/18	874	73				0.00				1,093		89				
06/22/18	917	74				0.00				1,059		114				
06/23/18	907	74				0.00				1,036	130	108				
06/24/18	893	73				0.00				992		97				
06/25/18[3]	854	74				0.00				928		111		11	0.055	0.049
06/26/18	948	73				0.00				1,033		112				
06/27/18	952	74	0.077	ND	810	0.00				1,044		110				
06/28/18	936	73				0.00				1,062		113				
06/29/18	949	73				0.00				1,067		113				
06/30/18	949	72				0.00				1,064	120	110				
Monthly Average[2]	929	73	0.25	ND	760	0.18	0.071	0.044	66	1,037	133	111	160	11	0.046	0.039

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).

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

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

3: On 06/04, 06/11, 06/18, and 06/25, LS # 2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 06/21, LS #2 offline from 9:18 am to 10:05 am due to planned equipment inspection.

5: 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.

6: 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[7]			2nd Stage FBR[7]			FBR Plant Effluent[1]							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow[8] (gpm)	TA - ClO_4 (mg/L)	ETI - ClO_4 (mg/L)	TA - ClO_3 (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO_3 - N (mg/L)	ETI - Turbidity (NTU)
06/01/18	1,112	6.8	-323	905	6.8	-393	1,122		ND					3
06/02/18	1,173	6.8	-385	926	6.8	-395	1,135	ND	ND					2
06/03/18	1,143	6.8	-360	861	6.8	-398	1,163		ND					3
06/04/18	1,145	6.8	-391	883	6.8	-398	1,150		ND	ND	0.0080 J	ND	ND	2
06/05/18	1,146	6.9	-387	910	6.8	-398	879		ND					2
06/06/18	1,133	6.8	-301	902	6.8	-399	1,148		ND					2
06/07/18	1,123	7.0	-234	899	6.8	-399	911		ND					4
06/08/18	1,135	7.0	-292	935	6.8	-400	1,098		ND					4
06/09/18	1,131	6.9	-240	903	6.8	-399	1,056	ND	ND					3
06/10/18	1,116	6.8	-350	868	6.7	-401	1,055		ND					7
06/11/18	1,159	6.8	-328	907	6.7	-404	1,035		ND		0.0060	ND	ND	2
06/12/18	1,162	6.8	-380	891	6.7	-410	1,055		ND					2
06/13/18	1,181	6.9	-394	957	6.8	-412	794		ND					3
06/14/18	1,156	6.9	-415	874	6.8	-414	1,083		ND					5
06/15/18	1,170	6.9	-282	915	6.8	-392	773		ND					7
06/16/18	1,157	6.9	-315	873	6.8	-392	1,014	ND	ND					9
06/17/18	1,143	6.9	-397	889	6.8	-394	1,072		ND					10
06/18/18	1,084	6.9	-395	825	6.8	-396	782		ND		0.010	ND	ND	2
06/19/18	1,077	6.9	-417	870	6.8	-294	1,014		ND					1
06/20/18	1,164	6.9	-417	912	6.7	-377	951		ND					2
06/21/18	1,134	6.9	-419	897	6.7	-377	1,074		ND					8
06/22/18	1,142	7.1	-405	907	6.7	-381	1,031		ND					7
06/23/18	1,141	7.1	-394	925	6.8	-385	809	ND	ND					5
06/24/18	1,124	7.0	-407	795	6.8	-389	744		ND					2
06/25/18	1,139	7.0	-405	914	6.8	-390	1,032		ND		0.0074	ND	ND	4
06/26/18	1,144	7.0	-311	931	6.8	-376	1,069		ND					14
06/27/18	1,160	7.0	-379	902	6.7	-376	1,061		ND					5
06/28/18	1,166	7.1	-399	831	6.8	-386	828		ND					4
06/29/18	1,174	7.1	-416	888	6.8	-387	1,099		ND					4
06/30/18	1,174	7.0	-408	910	6.7	-389	818	ND	ND					2
Monthly Average[2]	1,144	6.9	-365	893	6.8	-390	995	ND	ND	ND	0.0078	ND	ND	4

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).

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.

7: 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.

8: 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.

GW-11 Level Monitoring		
Date	Field Measurement (ft)	Volume (MG)
06/15/18	31.7	34.4
06/30/18	31.1	35.2

GW-11 Leak Detection Monitoring				
Date	Amount Pumped[1] (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
06/13/18	0	3,788	763	129
06/27/18	0	3,123	744	77

GW-11 Composite Sample[2]		
Analytes	Concentration	Units
Perchlorate	9.0	mg/L
Chlorate	12	mg/L
Ammonia as N	0.46	mg/L
Total Phosphorus	0.054 F1	mg/L
Total Dissolved Solids (TDS)	9,500	mg/L
Total Suspended Solids (TSS)	23 H	mg/L
pH	8.2 HF	s.u.
Calcium	410	mg/L
Iron	0.15	mg/L
Chromium (total)	0.0067	mg/L
Chromium VI	0.00069 J	mg/L
Chloride	2,800	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,400	mg/L

Notes:

F1 = MS and/or MSD Recovery is outside acceptance limits.

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

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

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.

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

2: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: May 31, 2018.

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 2017	1,058	118	12	170	777	733
Aug 2017	1,072	124	9.8	170	773	746
Sep 2017	1,070	114	11	190	806	768
Oct 2017	1,060	180	11	130	821	778
Nov 2017	1,042	279	11	130	1,030	821
Dec 2017	1,070	259	12	150	1,072	880
Jan 2018	1,031	249	13	150	1,021	920
Feb 2018	1,057	269	13	150	1,090	973
Mar 2018	1,094	168	13	130	836	978
Apr 2018	1,079	91	13	120	624	945
May 2018	1,044	116	12	150	719	894
June 2018	1,037	133	11	160	765	843

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.

3: 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		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)
06/01/18	2.2	1715.22	1.0	1710.62	0.45	1710.60	0.90	1713.91	1.3	1713.70	1.3	1715.19	1.4	1714.64	0.45	1714.49
06/02/18	2.5	1712.87	1.0	1711.04	0.44	1710.76	0.91	1714.06	1.3	1713.87	1.3	1715.68	1.3	1715.12	0.43	1715.03
06/03/18	2.6	1711.60	1.1	1709.57	0.46	1710.17	0.93	1713.51	1.3	1712.31	1.3	1713.37	1.4	1714.56	0.46	1712.65
06/04/18	2.5	1711.53	1.0	1710.43	0.45	1710.68	0.91	1715.07	1.0	1717.11	1.4	1714.07	1.3	1716.62	0.41	1716.23
06/05/18	2.5	1711.53	1.1	1710.44	0.46	1710.71	0.94	1712.52	1.1	1715.57	1.3	1710.14	1.5	1712.61	0.45	1713.65
06/06/18	2.5	1712.43	1.1	1710.36	0.45	1710.82	0.92	1713.78	1.1	1716.08	1.1	1716.86	1.3	1715.91	0.45	1713.38
06/07/18	2.5	1710.47	1.1	1710.47	0.44	1711.22	0.94	1713.04	1.2	1714.64	1.3	1714.95	1.3	1715.91	0.45	1713.52
06/08/18	2.4	1712.83	1.1	1709.00	0.40	1710.80	0.92	1713.34	1.3	1713.47	1.3	1714.35	1.5	1712.63	0.45	1713.23
06/09/18	2.4	1714.17	1.1	1708.24	0.40	1710.52	0.91	1713.15	1.3	1713.57	1.2	1714.47	1.5	1711.57	0.45	1714.02
06/10/18	2.5	1709.88	1.1	1709.81	0.41	1710.44	0.91	1712.97	1.3	1712.80	1.2	1714.70	1.5	1712.55	0.45	1713.38
06/11/18	2.4	1711.13	1.1	1710.95	0.40	1710.77	0.90	1713.80	1.2	1716.41	1.2	1715.61	1.4	1716.11	0.44	1713.94
06/12/18	2.4	1711.43	1.1	1710.99	0.40	1710.82	0.93	1713.41	0.90	1718.93	1.2	1714.86	1.5	1712.63	0.45	1713.94
06/13/18	2.4	1711.42	1.1	1710.87	0.41	1710.89	0.94	1712.78	0.77	1720.02	1.3	1714.84	1.4	1715.30	0.45	1713.41
06/14/18	2.4	1711.62	1.1	1711.96	0.44	1710.52	0.93	1713.44	0.81	1722.02	1.3	1717.80	1.5	1717.21	0.43	1718.84
06/15/18	2.4	1712.31	1.0	1711.37	0.44	1710.01	0.89	1715.44	0.47	1714.50	0.84	1713.48	1.5	1715.89	0.34	1714.13
06/16/18	2.3	1711.93	0.98	1711.59	0.47	1710.51	0.82	1715.61	0.44	1714.94	0.77	1713.89	1.4	1715.46	0.33	1715.03
06/17/18	2.7	1711.13	1.0	1712.60	0.51	1710.90	0.89	1716.30	0.46	1723.37	0.76	1721.16	1.4	1717.09	0.41	1716.96
06/18/18	2.4	1711.61	0.97	1712.70	0.49	1710.68	0.86	1716.23	0.99	1718.82	1.1	1718.55	1.3	1717.30	0.39	1716.64
06/19/18	2.4	1711.48	1.1	1711.27	0.49	1710.92	0.96	1710.32	1.1	1717.29	1.3	1715.27	1.5	1712.54	0.55	1707.64
06/20/18	2.3	1711.37	0.96	1711.45	0.49	1710.81	0.28	1724.44	0.90	1719.30	1.1	1718.70	0.79	1717.23	0.00	1724.92
06/21/18	2.6	1711.45	1.1	1711.25	0.52	1711.58	0.91	1715.53	1.3	1714.12	1.2	1717.85	1.1	1718.89	0.47	1708.88
06/22/18	2.5	1711.31	1.1	1710.98	0.49	1711.08	0.92	1715.24	1.3	1713.70	1.1	1717.42	1.0	1718.37	0.28	1717.24
06/23/18	2.5	1710.81	1.1	1710.66	0.49	1710.97	0.90	1713.78	1.3	1714.34	1.1	1716.98	1.1	1717.35	0.30	1719.20
06/24/18	2.5	1711.55	1.1	1710.65	0.48	1710.71	0.91	1714.11	1.4	1713.00	1.1	1717.23	1.0	1718.83	0.46	1707.56
06/25/18	2.5	1711.42	1.1	1711.07	0.50	1710.77	0.90	1713.55	1.3	1712.82	1.1	1716.27	1.5	1713.37	0.26	1717.38
06/26/18	2.4	1711.45	1.1	1711.16	0.52	1710.84	0.90	1713.43	1.3	1712.82	1.2	1715.53	1.3	1715.53	0.00	1722.64
06/27/18	2.4	1711.43	1.1	1711.15	0.52	1710.82	0.90	1712.95	1.3	1712.66	1.2	1715.75	1.4	1714.41	0.31	1717.18
06/28/18	2.4	1711.59	1.1	1711.12	0.50	1710.79	0.89	1712.86	1.3	1712.63	1.2	1715.50	1.4	1714.32	0.37	1714.23
06/29/18	2.4	1711.75	1.1	1710.89	0.49	1710.57	0.89	1713.44	1.3	1713.01	1.1	1715.89	1.4	1714.57	0.31	1716.40
06/30/18	2.4	1712.21	1.1	1710.78	0.48	1710.45	0.89	1713.86	1.3	1713.31	1.1	1716.18	1.4	1714.69	0.32	1717.08
Monthly Average	2.4	1711.77	1.1	1710.85	0.46	1710.74	0.89	1714.19	1.1	1715.37	1.2	1715.75	1.3	1715.31	0.38	1715.09
Analytical[1]	Conc[2] (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	700	6/14/2018	1,700	6/14/2018	970	6/14/2018	200	6/14/2018	540	6/14/2018	810	6/14/2018	1,300	6/14/2018	2,700	6/14/2018
Hexavalent Chromium	0.037	6/14/2018	0.11	6/14/2018	0.27	6/14/2018	0.031	6/14/2018	0.026	6/14/2018	0.023	6/14/2018	0.025	6/14/2018	0.093	6/14/2018
Total Chromium	0.038	6/14/2018	0.12	6/14/2018	0.26	6/14/2018	0.039	6/14/2018	0.031	6/14/2018	0.026	6/14/2018	0.027	6/14/2018	0.11	6/14/2018

Notes:

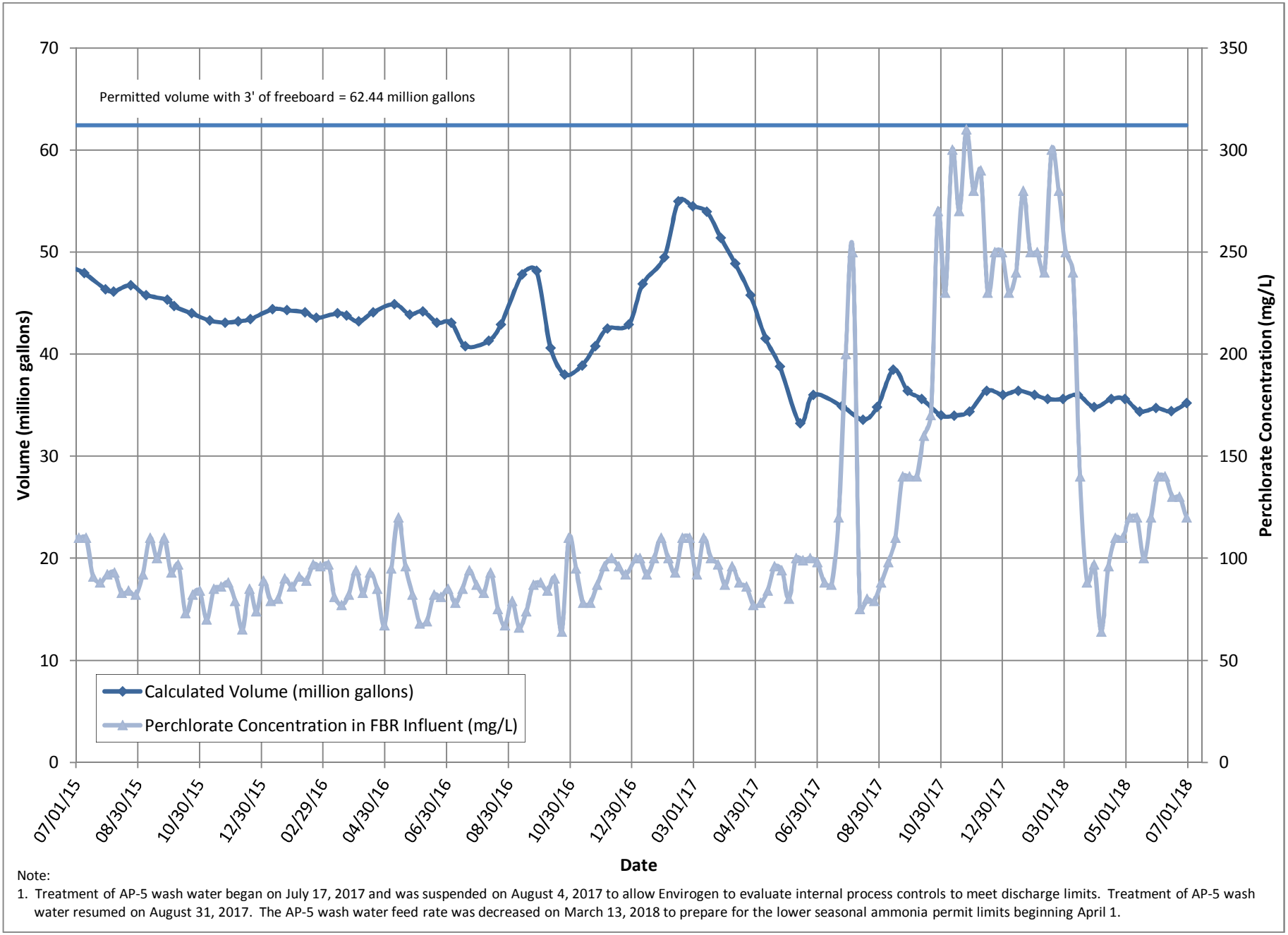
Flow reported as gpm is a daily average calculated from the totalizer reading.

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 06/14 for well E1-1; average of both values is presented and used for calculations.

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

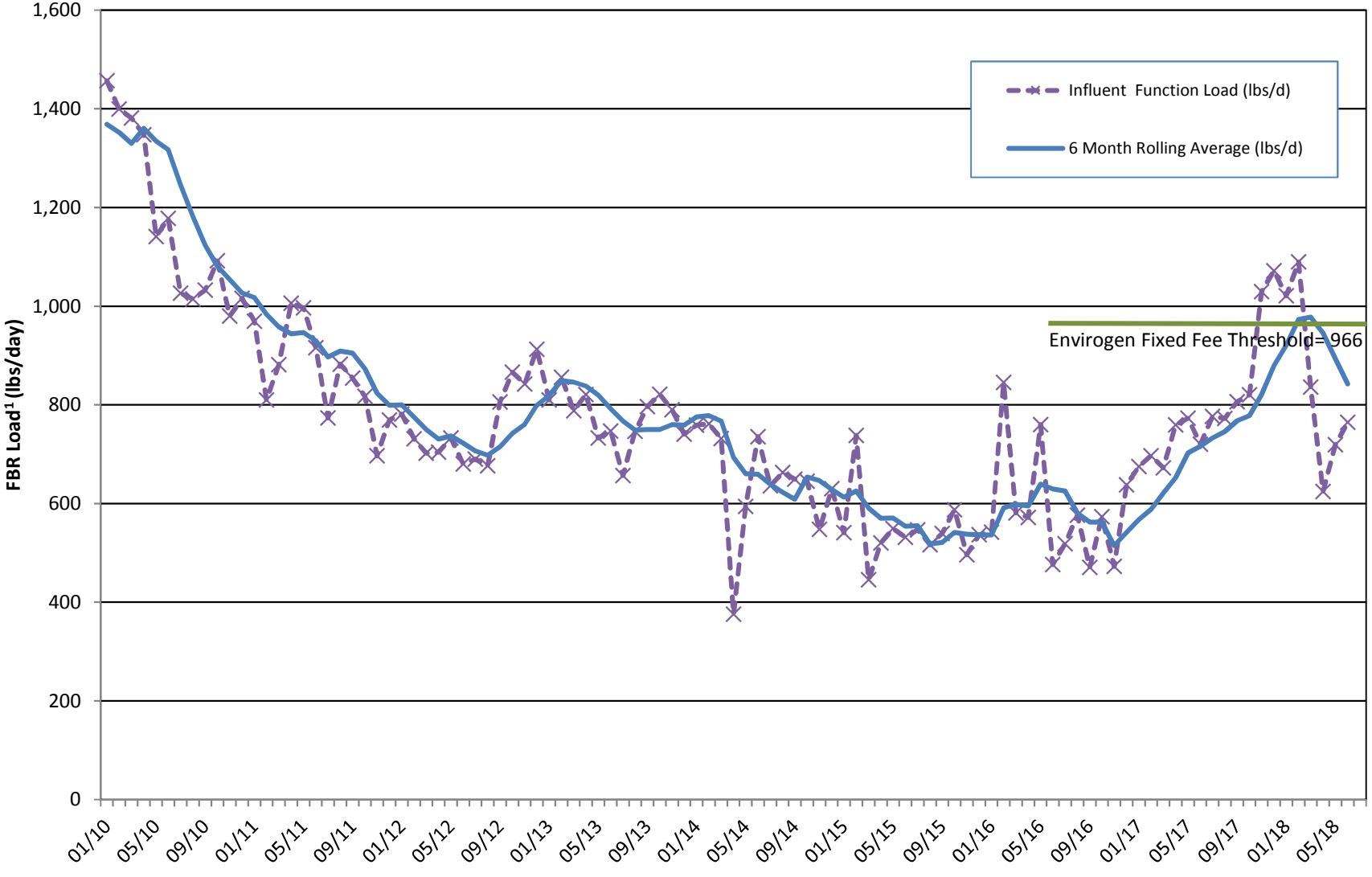


Note:

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.

Updated: 7/17/2018

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 on March 13, 2018 to prepare for the lower seasonal ammonia permit limits beginning April 1.

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