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[5,6] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[2] (ft amsl)
07/01/17	584	168	1536.15	85	1540.90	129	1540.60	116	1535.80	66	1544.89	76	1546.32	93	1546.13	34	1547.59	9.1	1520.01
07/02/17	583	165	1536.09	84	1541.16	127	1540.56	114	1535.72	64	1544.85	74	1546.28	91	1546.09	34	1547.55	9.6	1520.01
07/03/17[3]	576	168	1536.12	81	1541.11	129	1540.57	116	1535.74	66	1544.83	76	1546.27	92	1546.09	34	1547.54	10	1520.01
07/04/17	580	165	1536.08	84	1541.09	127	1540.54	110	1535.76	65	1544.81	75	1546.24	95	1546.07	35	1547.52	9.6	1520.01
07/05/17	559	162	1536.44	82	1541.15	124	1540.86	102	1536.11	63	1545.09	72	1546.49	89	1546.29	32	1547.70	10.0	1520.01
07/06/17	562	166	1536.09	84	1541.24	128	1540.59	100	1535.82	65	1544.82	75	1546.25	92	1546.06	34	1547.52	9.4	1520.01
07/07/17	563	166	1536.07	84	1541.43	128	1540.58	102	1535.85	66	1544.81	75	1546.24	86	1546.07	33	1547.51	10	1520.02
07/08/17	554	170	1536.07	86	1541.12	130	1540.58	97	1535.89	66	1544.82	77	1546.24	85	1546.06	35	1547.50	9.9	1520.01
07/09/17	576	167	1535.99	84	1540.66	129	1540.51	115	1535.74	65	1544.75	75	1546.18	84	1546.04	32	1547.46	9.0	1520.01
07/10/17[3]	565	167	1535.96	79	1541.44	129	1540.51	115	1535.76	72	1544.57	70	1546.23	92	1546.03	34	1547.47	9.2	1520.01
07/11/17	583	165	1535.92	83	1541.08	127	1540.47	114	1535.67	71	1544.54	68	1546.20	91	1545.99	34	1547.44	9.6	1520.01
07/12/17	583	170	1535.89	85	1540.90	130	1540.44	117	1535.62	73	1544.52	71	1546.17	98	1545.96	35	1547.41	9.9	1520.01
07/13/17	583	166	1535.86	84	1541.04	128	1540.42	114	1535.58	72	1544.50	69	1546.16	91	1545.95	34	1547.39	8.9	1520.01
07/14/17	583	166	1535.84	84	1540.78	128	1540.40	114	1535.54	72	1544.48	69	1546.14	92	1545.93	33	1547.38	9.7	1520.01
07/15/17	576	167	1535.89	84	1541.02	128	1540.46	106	1535.75	72	1544.55	68	1546.24	77	1546.47	32	1547.46	9.0	1520.01
07/16/17	586	168	1535.84	85	1540.97	129	1540.42	116	1535.65	72	1544.51	70	1546.20	80	1546.42	35	1547.42	9.8	1520.01
07/17/17[3]	560	167	1535.83	90	1540.68	129	1540.41	115	1535.62	72	1544.51	69	1546.20	76	1546.41	34	1547.42	10	1520.01
07/18/17	582	168	1535.81	84	1540.75	130	1540.40	116	1535.58	73	1544.50	69	1546.19	80	1546.40	36	1547.41	9.8	1520.01
07/19/17	585	166	1535.85	83	1540.98	127	1540.51	114	1535.76	69	1544.60	68	1546.28	76	1546.51	33	1547.50	9.3	< 1520.00
07/20/17	584	170	1535.93	86	1541.09	131	1540.63	117	1535.81	75	1544.73	70	1546.41	74	1546.64	33	1547.64	8.8	1520.01
07/21/17	582	165	1535.98	83	1541.10	126	1540.72	113	1535.85	71	1544.82	68	1546.51	78	1546.74	35	1547.73	10	1520.01
07/22/17	577	167	1536.03	85	1540.92	129	1540.78	110	1535.98	72	1544.89	69	1546.58	76	1546.81	33	1547.80	9.0	1520.01
07/23/17	584	167	1536.05	85	1540.73	129	1540.81	115	1535.96	72	1544.92	69	1546.62	72	1546.86	34	1547.84	9.7	1520.01
07/24/17[3]	478	168	1536.05	82	1541.20	129	1540.81	115	1535.94	72	1544.93	68	1546.63	76	1546.85	34	1547.85	10	< 1520.00
07/25/17	584	169	1536.08	86	1540.96	131	1540.83	117	1535.97	73	1544.95	70	1546.64	81	1546.87	36	1547.87	9.9	< 1520.00
07/26/17	584	165	1536.05	84	1541.27	128	1540.84	114	1535.95	71	1544.95	67	1546.65	75	1546.88	34	1547.88	9.6	< 1520.00
07/27/17[4]	582	167	NM	90	NM	129	NM	115	NM	72	NM	68	NM	76	NM	34	NM	10	NM
07/28/17	574	168	1536.03	84	1540.88	129	1540.79	115	1535.89	72	1544.92	68	1546.63	76	1546.84	33	1547.85	9.0	1520.01
07/29/17	590	167	1536.00	85	1541.13	128	1540.77	115	1535.86	72	1544.89	68	1546.60	77	1546.82	34	1547.82	9.7	1520.01
07/30/17	558	170	1536.00	86	1540.72	131	1540.76	116	1535.85	73	1544.90	69	1546.61	74	1546.82	32	1547.82	9.2	< 1520.00
07/31/17[3]	594	167	1535.98	86	1541.19	129	1540.76	115	1535.84	72	1544.89	68	1546.60	77	1546.81	34	1547.82	10	1520.01
Monthly Average	574	167	1536.00	84	1541.02	128	1540.61	113	1535.80	70	1544.76	71	1546.37	83	1546.40	34	1547.60	9.6	1520.01
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[7] (mg/L)	Date
Perchlorate		15	7/11/2017	21	7/11/2017	14	7/11/2017	7.6	7/11/2017	6.3	7/11/2017	1.1	7/11/2017	0.080	7/11/2017	0.17	7/11/2017	1.0	7/11/2017
Hexavalent Chromium		0.0012	7/11/2017	ND	7/11/2017	ND	7/11/2017	0.0016	7/11/2017	ND	7/11/2017	ND	7/11/2017	ND	7/11/2017	ND	7/11/2017	ND	7/11/2017
Total Chromium		ND	7/11/2017	ND	7/11/2017	ND	7/11/2017	ND	7/11/2017	ND	7/11/2017	0.0027 J	7/11/2017	ND	7/11/2017	ND	7/11/2017	ND	7/11/2017

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 (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: 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 07/03, 07/10, 07/17, 07/24, and 07/31, SWF and LS #1 totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
4: On 07/27, SWF lost communication with PLC. Flow was not interrupted. Flow rates were obtained manually. Water levels were not recorded for this period.
5: From 07/06-07/10, PC-117 offline intermittently due to electrical issues. Electrical contactor replaced and PC-117 back online on 07/10 at 12:41 pm.
6: On 07/15 and 07/22, PC-117 offline intermittently due to electrical issues.
7: Duplicates taken on 07/11 for well PC-133; average of both values is presented and used for calculation

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[4] (gpm)	ART-1/1A Flow (gpm)	ART-1/1A Water Elevation (ft amsl)	ART-2/2A Flow[6 7] (gpm)	ART-2/2A Water Elevation (ft amsl)	ART-3/3A Flow (gpm)	ART-3/3A Water Elevation (ft amsl)	ART-4/4A Flow (gpm)	ART-4/4A Water Elevation[2 8] (ft amsl)	ART-9 Flow[9] (gpm)	ART-9 Water Elevation (ft amsl)	ART-7A/7B Flow[10] (gpm)	ART-7A/7B Water Elevation (ft amsl)	ART-8/8A Flow[11] (gpm)	ART-8/8A Water Elevation (ft amsl)	PC-150 Flow[12] (gpm)	PC-150 Water Elevation (ft amsl)
07/01/17	409	44	1584.30	155	1583.45	24	1582.69	4.9	< 1575.00	49	1581.50	20	1580.29	180	1583.85	1.5	1583.48
07/02/17	413	44	1584.22	157	1583.37	23	1582.62	5.5	< 1575.00	51	1580.97	20	1580.18	180	1583.77	1.5	1583.46
07/03/17[3]	402	44	1584.17	159	1583.32	18	1582.58	6.5	< 1575.00	53	1581.53	25	1583.64	177	1583.72	1.5	1583.44
07/04/17	402	44	1584.09	147	1583.25	23	1582.53	4.8	< 1575.00	50	1581.87	20	1583.70	179	1583.66	1.5	1583.40
07/05/17	370	41	1584.60	131	1583.77	22	1582.99	3.7	< 1575.00	47	1582.35	19	1580.93	154	1584.19	1.5	1583.45
07/06/17	402	44	1584.09	142	1583.24	24	1582.52	3.9	< 1575.00	50	1582.24	20	1580.87	175	1583.67	1.5	1583.81
07/07/17	398	44	1584.03	140	1583.18	23	1582.47	4.1	< 1575.00	50	1582.18	20	1581.38	172	1583.62	1.5	1583.81
07/08/17	370	43	1584.25	136	1583.45	20	1582.69	4.2	< 1575.00	35	1578.72	20	1581.29	155	1584.00	1.5	1583.81
07/09/17	376	44	1584.24	141	1583.44	24	1582.68	4.2	< 1575.00	37	1579.01	20	1581.19	146	1584.00	1.5	1583.81
07/10/17[3]	380	44	1584.04	139	1583.19	16	1582.51	5.5	< 1575.00	74	1583.75	21	1581.17	181	1583.64	1.5	1583.81
07/11/17	375	41	1584.17	130	1583.32	23	1582.61	3.4	< 1575.00	34	1578.33	20	1583.82	157	1583.76	1.5	1583.81
07/12/17	400	44	1583.93	142	1583.08	23	1582.42	4.2	< 1575.00	37	1577.17	20	1583.88	179	1583.53	1.5	1583.81
07/13/17	402	44	1583.82	143	1582.80	23	1582.36	2.8	1579.18	52	1579.97	21	1583.86	179	1583.44	1.5	1583.81
07/14/17	408	43	1583.73	154	1582.70	21	1582.25	3.5	1579.18	54	1581.53	19	1583.86	178	1583.34	1.5	1583.81
07/15/17	408	42	1583.65	153	1582.63	21	1582.20	3.5	1579.18	52	1581.76	20	1583.86	178	1583.28	1.5	1583.81
07/16/17	411	42	1583.58	154	1582.55	22	1582.15	2.8	1579.18	52	1581.79	20	1583.85	180	1583.21	1.5	1583.80
07/17/17[3]	409	42	1583.53	153	1582.52	19	1582.11	1.1	1579.18	50	1582.06	7.1	1583.85	182	1583.17	1.5	1583.80
07/18/17	409	42	1583.47	154	1582.45	21	1582.07	2.1	1579.18	52	1581.92	18	1583.82	179	1583.12	1.5	1583.80
07/19/17	399	42	1583.30	151	1582.28	19	1581.93	1.3	1579.18	52	1582.00	17	1583.85	175	1582.97	1.5	1583.79
07/20/17	407	42	1583.45	154	1582.42	21	1582.04	1.5	1579.18	52	1581.68	16	1583.85	178	1583.10	1.5	1583.80
07/21/17	407	42	1583.40	154	1582.38	21	1582.01	2.0	1579.18	52	1581.82	17	1583.88	177	1583.06	1.5	1583.80
07/22/17	407	42	1583.37	154	1582.34	20	1581.98	1.4	1579.18	52	1581.82	17	1583.85	176	1583.03	1.5	1583.80
07/23/17	406	42	1583.33	154	1582.31	21	1581.95	2.1	1579.18	52	1581.76	17	1583.86	177	1583.00	1.5	1583.80
07/24/17[3]	368	42	1583.26	155	1582.24	20	1581.90	3.0	1579.18	53	1581.81	25	1583.88	180	1582.94	1.5	1583.78
07/25/17	410	42	1583.23	155	1582.21	20	1581.88	1.4	1579.17	52	1581.92	18	1583.88	179	1582.91	1.5	1583.79
07/26/17	408	42	1583.21	154	1582.19	21	1581.86	1.4	1579.18	52	1582.06	17	1583.88	178	1582.89	1.5	1583.79
07/27/17	407	42	1583.19	154	1582.16	19	1581.84	1.4	1579.18	52	1581.76	17	1583.88	177	1582.86	1.5	1583.79
07/28/17	402	42	1583.16	154	1582.13	20	1581.82	1.4	1579.18	52	1581.92	17	1583.88	177	1582.84	1.5	1583.79
07/29/17	413	42	1583.13	153	1582.11	20	1581.80	1.4	1579.17	52	1581.79	17	1583.88	176	1582.81	1.5	1583.78
07/30/17	390	42	1583.11	152	1582.08	20	1581.79	1.4	1579.17	51	1581.74	17	1583.88	176	1582.79	1.5	1583.77
07/31/17[3]	378	43	1583.81	72	1583.00	26	1582.16	1.6	1579.17	51	1581.71	15	1583.92	179	1583.38	1.5	1583.79
Monthly Average	398	43	1583.71	147	1582.76	21	1582.24	3.0	1577.56	50	1581.37	19	1583.09	175	1583.34	1.5	1583.74
Analytical[1]		Conc [5] (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		22	7/12/2017	22	7/12/2017	220	7/12/2017	170	7/12/2017	190	7/12/2017	130	7/12/2017	94	7/12/2017	140	7/12/2017
Hexavalent Chromium		ND	7/12/2017	0.0099	7/12/2017	0.35	7/12/2017	0.27	7/12/2017	0.71	7/12/2017	0.64	7/12/2017	0.11	7/12/2017	0.11	7/12/2017
Total Chromium		ND	7/12/2017	0.010	7/12/2017	0.34	7/12/2017	0.26	7/12/2017	0.70	7/12/2017	0.59	7/12/2017	0.11	7/12/2017	0.13	7/12/2017

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).

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.

ART-1, 2, 3, 4, 7B, and 8 have adjacent recovery wells - "Buddy Wells" - designated by the letter "A". The wells with transducers are ART-1A, -2A, -3A, -4, -7B, -8A, -9, and PC-150.

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 07/03, 07/10, 07/17, 07/24, and 07/31, AWF and LS #3 totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 07/05 and from 07/08-07/11, LS #3 intermittently lost communication with PLC.

5: Duplicates taken on 07/12 for well ART-1/1A; average of both values is presented and used for calculation purposes.

6: ART-2A offline from 07/31 at 8:49 am to 08/01 at 10:30 am for maintenance. ART-2 continued to pump.

7: On 06/29/17 ART-2 and ART-2A began pumping concurrently at the direction of the Trust. The increased pumping rate may be affecting the pumping rate at ART-3/3A and ART-4/4A.

8: On 07/13, ART-4 transducer installed in well.

9: From 07/08-07/13, ART-9 pump was cycling on and off.

10: On 07/17, ART-7B flow was adjusted to reduce pump cycling.

11: From 07/05-07/11, ART-8A offline intermittently due to electrical issues. On 07/11, pumping was switched from ART-8A to ART-8.

12: From 06/30-07/02, conducted periodic bucket tests for PC-150 to confirm flow rates. Average flow of 1.5 gpm determined from flow tests is presented for 07/01-07/31 flows and used for calculation purposes. Flow was steady throughout July but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Table Updated: 8/23/2017

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[6] (gpm)	Water Elevation[2] (ft amsl)	Flow[7 8] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[7 9] (gpm)	Water Elevation (ft amsl)	Flow[7 8 9 10] (gpm)	Water Elevation[2] (ft amsl)	Flow[7] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
07/01/17	0.09	< 1714.00	0.76	1719.32	0.00	1721.43	0.00	1723.48	0.00	1725.15	0.71	1709.85	3.3	1717.20	2.2	1721.97	1.6	1708.24	4.5	1714.86
07/02/17	0.10	< 1714.00	0.76	1719.02	0.00	1721.41	0.00	1723.46	0.00	1725.14	0.71	1709.73	3.1	1717.76	2.2	1721.98	1.6	1708.19	4.5	1714.85
07/03/17[3]	0.06	< 1714.00	0.77	1718.80	0.00	1721.38	0.00	1723.46	0.00	1725.14	0.44	1709.82	2.7	1718.49	2.2	1722.01	1.5	1708.18	4.5	1714.85
07/04/17	0.05	< 1714.00	0.75	1718.52	0.00	1721.35	0.00	1723.47	0.00	1725.14	0.71	1709.70	2.6	1717.74	2.2	1722.05	1.6	1708.23	4.4	1714.86
07/05/17	0.03	< 1714.00	0.75	1718.27	0.00	1721.32	0.00	1723.46	0.00	1725.14	0.71	1709.79	2.3	1719.57	2.2	1722.09	1.6	1708.19	4.5	1714.86
07/06/17	0.10	< 1714.00	0.91	1711.93	0.00	1721.28	0.00	1723.46	0.00	1725.13	0.70	1709.80	2.6	1715.21	2.3	1721.95	1.6	1708.19	4.5	1714.79
07/07/17	0.10	< 1714.00	1.2	1711.20	0.00	1721.21	0.00	1723.47	0.00	1725.14	0.69	1709.74	3.5	1715.48	2.7	1721.81	1.6	1708.19	4.5	1714.75
07/08/17	0.10	< 1714.00	1.2	1711.24	0.00	1721.16	0.00	1723.47	0.00	1725.14	0.69	1709.75	3.4	1715.71	2.7	1721.75	1.6	1708.18	4.5	1714.75
07/09/17	0.10	< 1714.00	1.2	1711.32	0.00	1721.13	0.00	1723.47	0.00	1725.13	0.68	1709.71	3.2	1716.36	2.7	1721.71	1.6	1708.21	4.5	1714.77
07/10/17[3]	0.18	< 1714.00	1.2	1711.78	0.00	1721.10	0.00	1723.47	0.00	1725.13	1.8	1709.80	3.0	1716.71	2.6	1721.69	2.0	1708.18	4.5	1714.77
07/11/17	0.17	< 1714.00	1.1	1711.74	0.00	1721.09	0.00	1723.47	0.00	1725.13	0.68	1709.72	2.9	1716.99	2.6	1721.68	1.6	1708.19	4.4	1714.76
07/12/17	0.17	< 1714.00	1.1	1711.99	0.00	1721.08	0.00	1723.46	0.00	1725.12	0.68	1709.77	2.9	1717.59	2.6	1721.66	1.6	1708.19	4.5	1714.75
07/13/17	0.17	< 1714.00	0.92	1712.22	0.00	1721.07	0.01	1723.44	0.00	1725.12	0.64	1709.67	2.7	1717.93	2.6	1721.65	1.6	1708.21	4.5	1714.75
07/14/17	0.16	1725.97	1.3	1712.23	0.00	1721.08	0.00	1723.45	0.00	1725.12	0.68	1709.78	2.6	1718.03	2.6	1721.65	1.6	1708.19	4.5	1714.75
07/15/17	0.16	1725.97	1.1	1712.17	0.00	1721.08	0.00	1723.46	0.00	1725.12	0.67	1709.87	2.6	1718.10	2.6	1721.65	1.6	1708.22	4.5	1714.75
07/16/17	0.16	1725.94	1.1	1712.26	0.00	1721.08	0.00	1723.53	0.00	1725.12	0.65	1709.64	2.5	1718.38	2.6	1721.65	1.6	1708.22	4.5	1714.74
07/17/17[3]	0.15	1726.04	1.1	1712.52	0.00	1721.09	0.00	1723.52	0.00	1725.12	0.98	1709.76	2.3	1718.75	2.5	1721.65	1.4	1708.23	4.5	1714.74
07/18/17	0.15	1726.08	1.0	1713.07	0.00	1721.15	0.00	1723.51	0.00	1725.12	0.63	1709.69	2.8	< 1710.00	2.5	1721.64	1.6	1708.21	4.4	1714.79
07/19/17	0.14	1725.82	0.96	1713.74	0.00	1721.17	0.00	1723.50	0.00	1725.11	0.70	1709.77	4.2	1710.79	2.5	1721.61	1.6	1707.22	4.5	1714.86
07/20/17	0.14	1725.83	0.92	1714.01	0.00	1721.17	0.00	1723.52	0.00	1725.12	0.69	1709.89	4.3	1710.79	2.5	1721.57	1.6	1708.22	4.5	1714.69
07/21/17[4]	0.10	1726.46	0.52	1720.65	0.00	1721.25	0.00	1723.53	0.00	1725.12	0.58	1709.78	3.1	1718.01	2.1	1721.73	1.5	1708.16	4.0	1714.99
07/22/17	0.09	1726.42	0.32	1721.09	0.00	1721.25	0.00	1723.53	0.00	1725.13	0.72	1709.69	2.7	1718.07	2.2	1721.77	1.6	1708.16	4.5	1715.04
07/23/17	0.08	1726.40	0.44	1714.83	0.00	1721.19	0.00	1723.53	0.00	1725.13	0.70	1709.79	2.9	1716.05	2.1	1721.78	1.6	1708.16	4.5	1714.98
07/24/17[3]	0.09	1728.24	0.92	1714.14	0.00	1721.06	0.00	1723.51	0.00	1725.13	0.68	1709.68	4.0	1711.39	2.1	1721.70	1.6	1708.16	4.4	1714.86
07/25/17	0.07	1728.10	0.98	1712.32	0.00	1720.99	0.00	1723.49	0.00	1725.11	0.65	1709.73	4.2	1712.13	2.4	1721.47	1.6	1708.16	4.2	1714.77
07/26/17	0.13	1727.38	1.1	1712.22	0.00	1720.92	0.00	1723.51	0.00	1725.12	0.60	1709.75	4.1	1711.79	2.8	1721.40	1.6	1708.16	4.6	1714.70
07/27/17[5]	0.10	NM	0.90	NM	0.00	NM	0.00	NM	0.00	NM	0.60	NM	3.6	NM	2.9	NM	1.4	NM	4.1	NM
07/28/17	0.10	NM	1.1	NM	0.00	NM	0.00	NM	0.00	NM	0.70	NM	3.9	NM	2.7	NM	1.6	NM	4.4	NM
07/29/17	0.10	NM	1.1	NM	0.00	NM	0.00	NM	0.00	NM	0.70	NM	3.9	NM	2.7	NM	1.6	NM	4.4	NM
07/30/17	0.10	NM	0.50	NM	0.00	NM	0.00	NM	0.00	NM	0.50	NM	4.0	NM	2.7	NM	1.6	NM	4.4	NM
07/31/17[3]	0.05	1729.16	0.35	1719.16	0.00	1720.87	0.00	1723.53	0.00	1725.14	0.61	1709.68	3.4	1715.09	2.7	1721.32	1.5	1708.29	4.4	1714.70
Monthly Average	0.11	1720.59	0.91	1714.51	0.00	1721.16	0.00	1723.49	0.00	1725.13	0.71	1709.75	3.2	1715.93	2.5	1721.73	1.6	1708.16	4.4	1714.80
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	1,500	7/18/2017	83	7/18/2017	190	7/18/2017	260	7/13/2017	150	7/13/2017	300	7/18/2017	680	7/19/2017	590	7/19/2017	580	7/19/2017	740	7/19/2017
Hexavalent Chromium	ND	7/18/2017	0.054	7/18/2017	ND	7/18/2017	2.1	7/13/2017	1.2	7/13/2017	0.039	7/18/2017	2.1	7/19/2017	5.3	7/19/2017	6.5	7/19/2017	12	7/19/2017
Total Chromium	0.045	7/18/2017	0.054	7/18/2017	0.013	7/18/2017	2.1	7/13/2017	1.2	7/13/2017	0.041	7/18/2017	2.2	7/19/2017	4.8	7/19/2017	5.9	7/19/2017	11	7/19/2017

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 (Cr(VI) = 1.0 ug/L).

1: Analytical results are reported from TestAmerica.

2: A "<" preceding the water elevation indicates the reported water level is below the transducer. A ">" preceding the water elevation indicates the reported water level is above the upper range of the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.

3: On 07/03, 07/10, 07/17, 07/24, and 07/31, IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 07/21, IWF down intermittently throughout the day for totalizer repair.

5: From 07/27-07/30, IWF lost communication. No totalizer numbers obtained. No water levels entered due to loss of communication.

6: On 07/14, I-AR transducer was replaced. Previous water elevation measurements are suspect.

7: On 07/06, I-AA, I-B, I-C, I-D, I-L, I-M, I-R, I-S, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

8: On 07/23, I-AA, I-C, I-M, I-O, I-Q, I-R, I-W, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

9: On 07/26, I-B, I-C, I-H, I-L, I-O, I-P, I-Q, I-R, I-S, and I-X adjusted to meet flow target as directed by the Trust.

10: On 07/18, I-C, I-R, I-S, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow (gpm)	Water Elevation (ft amsl)	Flow[9] (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[7 9] (gpm)	Water Elevation (ft amsl)	Flow[7 8] (gpm)	Water Elevation[2] (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[8 9 11] (gpm)	Water Elevation (ft amsl)	Flow[9] (gpm)	Water Elevation (ft amsl)
07/01/17	0.17	1716.25	1.0	1719.56	4.9	1721.88	6.5	1707.08	3.3	1714.30	1.8	1712.83	1.6	< 1710.00	4.2	1719.33	0.34	1721.33	1.6	1721.05
07/02/17	0.17	1716.40	1.0	1719.71	4.9	1721.86	6.5	1707.08	3.2	1714.27	1.7	1713.55	1.6	< 1710.00	4.2	1719.32	0.40	1720.81	1.6	1721.04
07/03/17[3]	0.16	1716.72	0.97	1719.70	5.0	1721.86	6.4	1707.08	3.2	1714.30	1.8	1711.50	1.3	< 1710.00	4.3	1719.32	0.29	1719.87	1.6	1721.04
07/04/17	0.15	1717.74	0.99	1719.76	4.9	1721.86	6.5	1707.08	3.2	1714.32	1.8	1711.53	2.1	< 1710.00	4.3	1719.33	0.34	1718.62	1.6	1721.05
07/05/17	0.15	1717.90	0.96	1719.79	4.9	1721.86	6.4	1707.08	3.2	1714.30	1.8	1711.48	1.3	< 1710.00	4.3	1719.33	0.31	1727.18	1.6	1721.04
07/06/17	0.15	1718.03	0.91	1719.71	4.9	1721.86	6.5	1707.08	3.2	1714.35	1.8	1713.57	1.5	< 1710.00	4.2	1719.29	0.31	1727.82	1.6	1721.05
07/07/17	0.15	1718.34	0.84	1719.61	4.9	1721.87	6.5	1707.08	3.2	1714.40	1.7	1712.39	2.0	< 1710.00	4.2	1719.25	0.37	1727.74	1.6	1721.05
07/08/17	0.17	1716.24	0.82	1719.64	4.9	1721.86	6.5	1707.08	3.2	1714.05	1.7	1711.53	1.9	< 1710.00	4.2	1719.22	0.30	1727.75	1.6	1721.07
07/09/17	0.18	1716.41	0.87	1733.58	4.9	1721.86	6.5	1707.09	3.3	1713.96	1.7	1713.03	1.9	< 1710.00	4.2	1719.22	0.30	1727.73	1.6	1721.06
07/10/17[3]	0.18	1716.63	0.90	> 1737.00	5.0	1721.86	6.4	1707.07	3.3	1713.97	1.1	1712.62	1.8	< 1710.00	4.2	1719.21	0.32	1727.82	1.6	1721.06
07/11/17	0.18	1716.79	0.94	> 1737.00	4.9	1721.86	6.5	1707.08	3.3	1713.98	1.7	1711.53	1.8	< 1710.00	4.3	1719.20	0.35	1735.75	1.6	1721.07
07/12/17	0.17	1717.15	0.96	> 1737.00	4.9	1721.86	6.5	1707.08	3.2	1714.02	1.7	1712.47	1.8	< 1710.00	4.3	1719.19	0.29	1735.83	1.5	1721.09
07/13/17	0.18	1716.90	0.95	> 1737.00	4.9	1721.91	6.5	1707.07	3.2	1714.36	1.7	1712.03	1.8	< 1710.00	4.2	1719.19	0.23	1735.85	1.5	1721.12
07/14/17	0.17	1716.74	0.93	> 1737.00	4.9	1721.92	6.5	1707.07	3.2	1714.33	1.8	1711.85	1.8	< 1710.00	4.2	1719.19	0.23	1735.89	1.5	1721.14
07/15/17	0.18	1716.73	0.89	> 1737.00	4.9	1721.93	6.5	1707.07	3.2	1714.31	1.8	1712.10	1.8	< 1710.00	4.2	1719.18	0.22	1727.35	1.5	1721.17
07/16/17	0.17	1717.20	0.81	> 1737.00	4.9	1721.93	6.5	1707.07	3.2	1714.22	1.8	1711.75	1.8	< 1710.00	4.2	1719.17	0.23	1716.05	1.5	1721.17
07/17/17[3]	0.17	1717.65	0.84	> 1737.00	5.0	1721.94	6.6	1707.06	3.2	1714.24	1.8	1711.56	1.7	< 1710.00	4.2	1719.18	0.24	1716.11	1.5	1721.20
07/18/17	0.15	1720.11	0.89	> 1737.00	5.0	1721.94	6.5	1707.07	3.2	1714.23	1.8	1711.57	1.7	< 1710.00	4.2	1719.22	0.23	1727.75	1.5	1721.25
07/19/17	0.11	1720.25	0.95	> 1737.00	4.9	1721.94	6.5	1707.06	3.2	1714.23	1.8	1711.58	1.5	< 1710.00	4.2	1719.27	0.27	1727.80	1.5	1721.27
07/20/17	0.11	1720.28	1.0	> 1737.00	4.9	1721.96	6.5	1707.06	3.2	1714.27	1.8	1711.59	2.0	< 1710.00	4.2	1719.15	0.25	1727.79	1.5	1721.30
07/21/17[4]	0.08	1720.90	0.81	> 1737.00	4.5	1722.13	6.1	1707.08	3.0	1714.53	1.6	1711.56	1.5	< 1710.00	3.8	1719.42	0.16	1727.97	1.2	1721.62
07/22/17	0.08	1720.94	0.79	> 1737.00	4.9	1722.10	6.6	1707.07	3.3	1714.37	1.8	1711.60	1.3	< 1710.00	4.1	1719.47	0.13	1727.98	1.2	1721.70
07/23/17	0.08	1720.92	0.78	> 1737.00	4.9	1722.11	6.6	1707.07	3.3	1714.29	1.8	1711.63	1.4	< 1710.00	4.2	1719.45	0.15	1727.91	1.2	1721.70
07/24/17[3]	0.08	1720.94	0.82	> 1737.00	4.9	1722.08	6.7	1707.06	3.3	1714.24	1.7	1711.62	1.9	< 1710.00	4.1	1719.34	0.20	1727.84	1.2	1721.67
07/25/17	0.08	1720.96	0.93	> 1737.00	4.9	1722.07	6.5	1707.06	3.2	1714.21	1.5	1711.58	1.9	< 1710.00	4.1	1719.25	0.22	1727.81	1.3	1721.66
07/26/17	0.09	1720.92	1.0	> 1737.00	4.9	1722.09	6.5	1707.07	3.2	1714.38	1.5	1711.57	2.0	< 1710.00	4.1	1719.18	0.16	1727.79	1.4	1721.40
07/27/17[5]	0.20	NM	1.1	NM	5.0	NM	6.2	NM	3.3	NM	1.5	NM	1.9	NM	4.0	NM	0.13	NM	1.9	NM
07/28/17	0.10	NM	1.2	NM	5.0	NM	6.6	NM	3.2	NM	1.6	NM	1.9	NM	4.1	NM	0.00	NM	1.7	NM
07/29/17	0.10	NM	1.2	NM	5.0	NM	6.6	NM	3.2	NM	1.6	NM	1.9	NM	4.1	NM	0.10	NM	1.7	NM
07/30/17	0.10	NM	1.0	NM	5.0	NM	6.7	NM	3.3	NM	1.7	NM	1.5	NM	4.1	NM	1.5	NM	1.4	NM
07/31/17[3]	0.15	1719.86	0.99	> 1737.00	4.9	1721.92	6.6	1707.07	3.3	1714.14	1.6	1711.63	1.4	< 1710.00	4.1	1719.15	1.1	1720.98	1.3	1721.09
Monthly Average	0.14	1718.37	0.94	1731.74	4.9	1721.94	6.5	1707.07	3.2	1714.24	1.7	1711.97	1.7	1710.00	4.2	1719.26	0.31	1726.71	1.5	1721.23
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	7/19/2017	1,200	7/19/2017	900	7/13/2017	320	7/13/2017	240	7/13/2017	740	7/18/2017	720	7/19/2017	550	7/19/2017	860	7/19/2017	1,000	7/19/2017
Hexavalent Chromium	22	7/19/2017	18	7/19/2017	12	7/13/2017	3.8	7/13/2017	2.2	7/13/2017	0.34	7/18/2017	6.8	7/19/2017	6.2	7/19/2017	19	7/19/2017	19	7/19/2017
Total Chromium	22	7/19/2017	19	7/19/2017	11	7/13/2017	3.9	7/13/2017	2.1	7/13/2017	0.31	7/18/2017	6.0	7/19/2017	5.7	7/19/2017	19	7/19/2017	18	7/19/2017

Notes:

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

NM = No measurement.

1: Analytical results are reported from TestAmerica.

2: A "<" preceding the water elevation indicates the reported water level is below the transducer. A ">" preceding the water elevation indicates the reported water level is above the upper range of the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.

3: On 07/03, 07/10, 07/17, 07/24, and 07/31, IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 07/21, IWF down intermittently throughout the day for totalizer repair.

5: From 07/27-07/30, IWF lost communication. No totalizer numbers obtained. No water levels entered due to loss of communication.

7: On 07/06, I-AA, I-B, I-C, I-D, I-L, I-M, I-R, I-S, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

8: On 07/23, I-AA, I-C, I-M, I-O, I-Q, I-R, I-W, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

9: On 07/26, I-B, I-C, I-H, I-L, I-O, I-P, I-Q, I-R, I-S, and I-X adjusted to meet flow target as directed by the Trust.

11: From 07/26-07/28, I-O offline intermittently for pump repairs. Pump motor was replaced on 07/27 and again 07/28.

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[8 9] (gpm)	Water Elevation (ft amsl)	Flow[7 8 9 10] (gpm)	Water Elevation (ft amsl)	Flow[7 9 10] (gpm)	Water Elevation[2] (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[2] (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[8] (gpm)	Water Elevation (ft amsl)	Flow[7 8 9 10] (gpm)	Water Elevation (ft amsl)	Flow[7 8 10] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[2] (ft amsl)
07/01/17	0.58	1717.05	1.7	1712.18	4.1	1715.88	0.48	1712.07	0.90	1736.00	4.3	1719.45	1.0	1717.84	1.7	1716.85	1.7	1706.44	7.7	< 1710.00
07/02/17	0.59	1716.83	1.5	1711.77	4.0	1715.94	0.47	1712.05	0.89	1736.00	4.4	1719.42	0.98	1718.11	1.7	1716.83	1.6	1710.65	7.6	< 1710.00
07/03/17[3]	0.60	1716.76	1.4	1711.08	4.4	< 1710.00	0.48	1712.11	0.89	1736.00	4.3	1719.42	1.0	1718.05	3.3	1716.86	1.7	1705.01	7.4	< 1710.00
07/04/17	0.57	1717.36	1.4	1711.58	4.3	< 1710.00	0.48	1712.17	0.89	1736.00	4.3	1719.42	1.0	1718.32	1.7	1716.88	1.7	1705.01	7.5	< 1710.00
07/05/17	0.54	1717.18	1.4	1710.55	4.2	1711.41	0.48	1712.20	0.89	1736.00	4.3	1719.41	0.99	1718.33	2.2	1716.88	1.7	1705.01	7.5	< 1710.00
07/06/17	0.55	1717.36	1.4	1709.49	4.3	< 1710.00	0.48	1712.23	0.88	1736.00	4.3	1719.41	0.99	1718.37	3.6	1715.64	1.6	1705.01	7.5	< 1710.00
07/07/17	0.44	1719.23	1.5	1709.27	4.3	< 1710.00	0.48	1712.21	0.89	1736.00	4.3	1719.42	0.98	1718.39	4.0	1715.82	1.5	1714.17	7.5	< 1710.00
07/08/17	0.06	1720.29	1.5	1709.20	4.3	< 1710.00	0.48	1712.14	0.89	< 1706.00	4.4	1719.41	0.98	1718.38	3.9	1716.04	1.3	1715.43	7.5	< 1710.00
07/09/17	0.10	1720.50	1.5	1709.21	4.2	< 1710.00	0.47	1712.25	0.89	< 1706.00	4.4	1719.40	0.98	1718.32	3.6	1716.31	1.3	1716.08	7.5	< 1710.00
07/10/17[3]	0.10	1720.50	1.3	1709.18	4.2	< 1710.00	0.48	1712.29	0.91	< 1706.00	4.3	1719.41	0.99	1718.30	3.6	1716.34	1.2	1716.67	7.4	< 1710.00
07/11/17	0.18	1719.11	1.4	1709.19	4.2	< 1710.00	0.47	1712.78	0.88	1736.00	4.3	1719.40	1.0	1718.08	3.6	1716.38	1.1	1716.85	7.4	< 1710.00
07/12/17	0.14	1719.74	1.4	1709.25	4.2	< 1710.00	0.46	1712.76	0.88	1736.00	4.3	1719.42	1.0	1718.13	3.6	1716.41	1.1	1716.89	7.3	< 1710.00
07/13/17	0.30	1718.92	1.4	1709.19	4.2	< 1710.00	0.46	1712.82	0.89	1736.00	4.3	1719.46	0.98	1718.29	3.5	1716.49	1.1	1716.78	7.4	< 1710.00
07/14/17	0.25	1719.38	1.4	1709.22	4.2	< 1710.00	0.46	1712.89	0.88	1736.00	4.3	1719.48	1.0	1718.36	3.5	1716.54	1.0	1717.18	7.3	< 1710.00
07/15/17	0.25	1719.35	1.3	1709.19	4.3	< 1710.00	0.46	1713.07	0.89	1736.00	4.3	1719.49	1.0	1718.39	3.4	1716.58	1.0	1717.32	7.4	< 1710.00
07/16/17	0.23	1719.57	1.4	1709.19	4.2	< 1710.00	0.46	1713.15	0.88	1736.00	4.4	1719.50	1.0	1718.43	3.4	1716.62	0.99	1717.62	7.4	< 1710.00
07/17/17[3]	0.22	1719.55	1.2	1709.27	4.3	< 1710.00	0.45	1713.23	0.90	1736.00	4.3	1719.51	1.0	1718.47	3.4	1716.63	0.98	1717.63	7.3	< 1710.00
07/18/17	0.36	1719.10	1.3	1714.84	4.3	< 1710.00	0.45	1713.36	0.89	1736.00	4.3	1719.51	0.94	1719.21	3.2	1717.46	1.2	1706.14	7.5	< 1710.00
07/19/17	0.25	1719.44	1.1	1716.28	4.2	< 1710.00	0.46	1709.58	0.89	1707.47	4.3	1719.52	0.89	1718.91	2.8	1717.56	1.6	1714.63	7.7	< 1710.00
07/20/17	0.35	1717.69	1.1	1717.11	4.1	< 1710.00	0.47	1709.28	0.89	1707.46	4.3	1719.55	0.93	1718.77	3.9	1715.96	1.4	1715.92	7.8	< 1710.00
07/21/17[4]	0.30	1719.98	0.88	1716.84	4.0	< 1710.00	0.42	1710.50	0.74	1710.98	4.0	1719.83	0.57	1721.00	2.7	1718.33	1.4	1705.01	6.7	1711.12
07/22/17	0.15	1720.05	1.0	1716.98	4.2	< 1710.00	0.46	1709.98	0.78	1711.91	4.4	1719.85	0.34	1721.04	2.3	1718.32	1.7	1713.23	7.8	< 1710.00
07/23/17	0.17	1719.82	1.1	1710.49	4.2	< 1710.00	0.47	1709.63	0.70	1712.31	4.4	1719.86	0.50	1719.01	2.6	1716.76	1.5	1705.01	7.6	< 1710.00
07/24/17[3]	0.14	1720.04	1.5	1711.11	3.8	< 1710.00	0.49	1709.59	0.73	1712.42	4.3	1719.82	0.99	1719.05	3.6	1716.64	1.6	1708.71	7.9	< 1710.00
07/25/17	0.07	1720.03	1.6	1709.23	3.9	< 1710.00	0.48	1709.71	0.73	1712.28	4.3	1719.79	0.97	1719.20	3.8	1715.93	1.6	1705.01	8.0	< 1710.00
07/26/17	0.20	1719.35	1.7	1709.57	3.9	< 1710.00	0.48	1709.86	0.75	1711.68	4.3	1719.82	0.93	1719.22	4.0	1715.61	1.7	1705.01	7.9	< 1710.00
07/27/17[5]	0.30	NM	1.7	NM	3.5	NM	0.50	NM	0.80	NM	4.4	NM	1.1	NM	3.9	NM	1.7	NM	7.4	NM
07/28/17	0.40	NM	1.6	NM	3.7	NM	0.50	NM	0.80	NM	4.3	NM	1.2	NM	4.0	NM	1.7	NM	7.5	NM
07/29/17	0.40	NM	1.6	NM	3.7	NM	0.50	NM	0.80	NM	4.3	NM	1.2	NM	4.0	NM	1.7	NM	7.5	NM
07/30/17	0.20	NM	1.5	NM	3.9	NM	0.50	NM	0.70	NM	4.3	NM	1.1	NM	3.4	NM	1.6	NM	7.6	NM
07/31/17[3]	0.16	1719.94	1.3	1709.16	3.8	< 1710.00	0.50	1708.93	0.72	1712.03	4.4	1719.40	0.76	1719.25	3.1	1717.06	1.5	1711.67	7.5	< 1710.00
Monthly Average	0.29	1719.04	1.4	1711.10	4.1	1710.49	0.47	1711.59	0.84	1724.32	4.3	1719.53	0.94	1718.71	3.3	1716.66	1.4	1711.48	7.5	1710.04
Analytical[1]	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[12] (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	990	7/19/2017	900	7/18/2017	620	7/19/2017	1,600	7/19/2017	1,600	7/19/2017	910	7/13/2017	870	7/19/2017	910	7/19/2017	1,300	7/18/2017	400	7/13/2017
Hexavalent Chromium	21	7/19/2017	0.16	7/18/2017	0.64	7/19/2017	24	7/19/2017	23	7/19/2017	17	7/13/2017	19	7/19/2017	8.2	7/19/2017	0.24	7/18/2017	9.6	7/13/2017
Total Chromium	22	7/19/2017	0.19	7/18/2017	0.61	7/19/2017	24	7/19/2017	25	7/19/2017	17	7/13/2017	18	7/19/2017	7.4	7/19/2017	0.23	7/18/2017	9.5	7/13/2017

Notes:

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

NM = No measurement.

1: Analytical results are reported from TestAmerica.

2: A "<" preceding the water elevation indicates the reported water level is below the transducer. A ">" preceding the water elevation indicates the reported water level is above the upper range of the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.

3: On 07/03, 07/10, 07/17, 07/24, and 07/31, IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 07/21, IWF down intermittently throughout the day for totalizer repair.

5: From 07/27-07/30, IWF lost communication. No totalizer numbers obtained. No water levels entered due to loss of communication.

7: On 07/06, I-AA, I-B, I-C, I-D, I-L, I-M, I-R, I-S, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

8: On 07/23, I-AA, I-C, I-M, I-O, I-Q, I-R, I-W, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

9: On 07/26, I-B, I-C, I-H, I-L, I-O, I-P, I-Q, I-R, I-S, and I-X adjusted to meet flow target as directed by the Trust.

10: On 07/18, I-C, I-R, I-S, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

12: Duplicates taken on 07/19 for well I-T; average of both values is presented and used for calculation purposes.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent				GW-11 Influent				FBR Plant Influent[1]						
	Flow[3 4 5] (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	Flow[6] (gpm)	Cr (TR) (mg/L)	Cr (VI) (mg/L)	ClO_4 (mg/L)	Flow[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)
07/01/17	249	76				0.00				1,069	98	86				
07/02/17	925	78				0.00				1,074		82				
07/03/17[3]	449	83				0.00				1,061		86	170	13	0.044	0.018
07/04/17	992	83				0.00				1,064		88				
07/05/17	921	82				8.0	0.16	0.013	100	1,010		84				
07/06/17	447	83	1.3	ND	790	0.00				1,047		85				
07/07/17	517	87				0.00				1,047		86				
07/08/17	339	87				0.00				1,011	88	80				
07/09/17	632	86				0.00				1,038		89				
07/10/17[3]	959	79				0.00				1,024		87		12	0.028	0.022
07/11/17	291	79				0.00				1,050		87				
07/12/17	110	81				0.00				1,077		86				
07/13/17	191	81	0.38	ND	700	0.00				1,083		74				
07/14/17	160	78				0.00				1,105		88				
07/15/17	417	85				0.00				1,069	87	85				
07/16/17	465	85				0.00				1,082		89				
07/17/17[3]	1,027	69				0.00				1,067		78		12	0.048	0.024
07/18/17	171	60				0.00				1,106		94				
07/19/17	420	66				0.00				1,083		103				
07/20/17	5.1	67	0.20	ND	740	0.00				1,063		125				
07/21/17	902	57				0.00				1,056		124				
07/22/17	902	59				0.00				1,052	120	144				
07/23/17	4.9	59				0.00				1,050		134				
07/24/17[3]	0.00	62				0.00				916		138		12	0.062	0.012
07/25/17	37	62				0.00				1,070		196				
07/26/17	0.00	72				0.00				1,097		189				
07/27/17	0.00	88	0.33	ND	740	0.00				1,088		141				
07/28/17	0.00	75				0.00				1,070		208				
07/29/17	0.00	70				0.00				1,072	200	205				
07/30/17	42	78				0.00				1,026		213				
07/31/17[3]	651	77				0.00				1,070		226		12	0.037	0.031
Monthly Average[2]	394	75	0.63	ND	746	0.26	0.16	0.013	100	1,058	118	119	170	12	0.044	0.021

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).

B = Compound was found in the blank and sample.

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

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

3: On 07/03, 07/10, 07/17, 07/24, and 07/31, LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: From 07/01-07/31, LS #2 flow meter intermittently lost communication with PLC. Flow was not interrupted. The FBR Plant Influent Flow was estimated by summing flows for LS #1, LS #3, GWTP Effluent, and GW-11 Effluent.

5: On 07/24 and 07/26-07/29, LS # 2 loss of communication to PLC.

6: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 07/01 to 07/31 due to FBR plant influent strainers clogging, except for monthly sampling.

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[1,7]							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (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)
07/01/17	832	6.6	-357	700	6.7	-439	845	ND	ND					7
07/02/17	833	6.2	-386	910	6.7	-439	843		ND					6
07/03/17[3]	832	6.1	-399	995	6.7	-441	840		ND	0.046	0.0050	ND	0.20	12
07/04/17	830	6.2	-403	903	6.7	-439	843		ND					10
07/05/17	878	5.9	-326	846	6.6	-439	764		ND					6
07/06/17	920	5.9	-343	850	6.6	-440	806		ND					8
07/07/17	886	5.9	-364	776	6.6	-440	829		ND					3
07/08/17	887	5.9	-336	519	6.6	-440	829	ND	ND					6
07/09/17	881	5.9	-372	612	6.7	-444	821		ND					4
07/10/17[3]	1,062	5.9	-350	837	6.6	-441	886		ND		0.013	ND	ND	6
07/11/17	1,089	5.8	-389	848	6.6	-441	974		ND					3
07/12/17	988	5.9	-403	979	6.6	-442	995		ND					4
07/13/17	1,058	5.8	-407	805	6.6	-440	1,018		ND					3
07/14/17	971	5.8	-411	810	6.6	-441	1,026		ND					8
07/15/17	929	5.7	-412	717	6.6	-423	942	ND	ND					13
07/16/17	863	5.7	-414	532	6.6	-436	1,000		ND					22
07/17/17[3]	1,001	5.8	-416	1000	6.6	-437	989		ND		0.0053	ND	ND	2
07/18/17	882	5.7	-414	976	6.6	-440	806		ND					20
07/19/17	892	5.7	-385	1071	6.6	-410	1,233		ND					9
07/20/17	891	5.5	-398	943	6.5	-266	1,010		ND					21
07/21/17	882	5.6	-407	889	6.5	-273	999		ND					10
07/22/17	899	5.6	-405	1032	6.5	-269	995	ND	ND					10
07/23/17	907	5.6	-409	860	6.5	-275	1,010		ND					9
07/24/17[3]	899	5.5	-408	1000	6.4	-283	1,009		ND		0.0057	ND	ND	4
07/25/17	901	5.6	-413	894	6.4	-297	1,014		ND					2
07/26/17	896	5.5	-423	1041	6.4	-299	1,041		ND					4
07/27/17	874	5.5	-280	1018	6.3	-301	1,018		ND					4
07/28/17	857	5.5	-327	1026	6.4	-306	1,021		ND					2
07/29/17	873	5.3	-360	857	6.3	-307	996	ND	ND					2
07/30/17	893	5.3	-354	918	6.3	-309	1,005		ND					2
07/31/17[3]	813	5.1	-363	876	6.2	-308	977		ND		0.0041 J	ND	ND	2
Monthly Average[2]	906	5.7	-382	872	6.5	-376	948	ND	ND	0.046	0.0068	ND	0.03	7

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).

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

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

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

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

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

GW-11 Level Monitoring		
Date	Field Measurement (ft)	Volume (MG)
07/13/17[1]	26.4	41.4
07/25/17	31.3	34.9

GW-11 Leak Detection Monitoring				
Date	Amount Pumped[2] (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
07/15/17	216	757	0	583
07/27/17	120	1331	0	117

GW-11 Composite Sample[3]		
Analytes	Concentration	Units
Perchlorate	34	mg/L
Chlorate	49	mg/L
Ammonia as N	0.44	mg/L
Total Phosphorus	ND	mg/L
Total Dissolved Solids (TDS)	6,500	mg/L
Total Suspended Solids (TSS)	68	mg/L
pH	8.3	s.u.
Calcium	350	mg/L
Iron	1.1	mg/L
Chromium (total)	0.041	mg/L
Chromium VI	0.0024	mg/L
Chloride	2,400	mg/L
Nitrate as N	1.8 J	mg/L
Sulfate	2,000	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

1: The transducer was not in hydraulic connection with GW-11 on 07/13. The data is considered suspect and was not plotted on Figure 1.

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

3: Corner Composite Sample collected quarterly, most recent sampling results presented. Sampled on: May 17, 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)		
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
Mar 2017	951	99	12	180	672	621
Apr 2017	1,066	87	13	190	759	652
May 2017	1,102	88	12	190	773	702
June 2017	1,047	95	12	170	720	716
July 2017	1,058	118	12	170	777	733

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[6,7,8,9]			
	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[1,3] (mg/L)	ClO_4[1,3] (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[1,4] (mg/L)	ClO_4[1,4] (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[1,5] (mg/L)	ClO_4[1,5] (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[1] (mg/L)	ClO_4[1] (mg/L)
07/01/17	*3.5*				*1.5*				*0.80*				0.00			
07/02/17	*3.5*				*1.5*				*0.80*				0.00			
07/03/17	3.6	1714.78			1.5	1720.31			0.81	1710.97			0.00			
07/04/17	*3.6*				*1.5*				*0.81*				0.00			
07/05/17	3.4	1713.36	0.022	690	1.4	1718.57	0.016	900	0.78	1710.96	0.059	1,000	0.00			
07/06/17	3.5	1714.71			1.5	1720.11			0.80	1710.97			0.00			
07/07/17	3.5	1714.73			1.5	1720.07			0.80	1710.97			0.00			
07/08/17	*3.5*				*1.5*				*0.80*				0.00			
07/09/17	*3.5*				*1.5*				*0.80*				0.00			
07/10/17	3.2	1713.87	0.022	780	1.3	1719.82	0.018	895	0.73	1710.96	0.060	970	0.00			
07/11/17	3.4	1714.28			1.6	1720.06			0.90	1710.96			0.00			
07/12/17	2.7	1720.45			1.3	1720.82			0.80	1710.96			0.00			
07/13/17	2.5	1720.74			1.3	1721.08			0.88	1710.98			0.00			
07/14/17	1.7	1723.48			0.98	1723.40			0.86	1710.99			0.00			
07/15/17	*1.7*				*0.98*				*0.86*				0.00			
07/16/17	*1.7*				*0.98*				*0.86*				0.00			
07/17/17	0.64	1724.82	0.022	490	0.37	1725.34	0.024	560	0.28	1719.24	0.098	750	0.00		0.032	990
07/18/17	2.8	1723.53			1.5	1724.03			0.90	1721.33			0.00			
07/19/17	2.6	1722.43			1.2	1722.31			0.77	1719.48			0.00			
07/20/17	3.0	1720.93			1.4	1721.46			0.87	1715.92			0.00			
07/21/17	3.0	1720.54			1.4	1719.82			0.83	1712.94			0.00	1731.08		
07/22/17	*3.0*				*1.4*				*0.83*				0.00			
07/23/17	*3.0*				*1.4*				*0.83*				0.00			
07/24/17	3.4	1721.15	0.022	630	1.5	1720.59	0.019	970	0.93	1715.51	0.062	940	0.03	1730.06	0.022	1,500
07/25/17	2.6	1720.78			1.2	1720.34			0.73	1712.22			0.53	1730.11		
07/26/17	2.9	1721.15			1.5	1719.78			0.90	1711.85			0.49	1729.72		
07/27/17	2.3	1721.49			1.3	1717.23			0.73	1710.97			0.12	1729.85		
07/28/17	2.8	1722.86			1.3	1720.65			0.84	1711.73			0.00	1730.67		
07/29/17	*2.8*				*1.3*				*0.84*				0.00			
07/30/17	*2.8*				*1.3*				*0.84*				0.00			
07/31/17	2.8	1721.16	0.024	610	1.4	1719.83	0.023	1,100	0.81	1713.53	0.064	850	0.00	1731.45		
Monthly Average[2]	2.9	1719.56	0.022	653	1.3	1720.78	0.019	880	0.81	1713.17	0.069	906	0.04	1730.42	0.022	1,499

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 07/05/17 and 07/31/17 for well E1-1; average of both values is presented and used for calculation purposes.

4: Duplicates taken on 07/10/17 for well E1-2; average of both values is presented and used for calculation purposes.

5: Duplicates taken on 07/17/17 for well E1-3; average of both values is presented and used for calculation purposes.

6: No flushing and no pumping occurred at E2 plot from 07/1 to 07/10.

7: Extraction system testing at E2 plot occurred on 07/11 and 07/12 with full-time operation beginning on 07/12.

8: E2-1 was tested on 07/11 and 07/12 but has not begun full-time operation yet due to a malfunctioning flowmeter.

9: E2 wells were turned off for repair on 07/28/17.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																
Date	E2-2[6,7,9]				E2-3[6,7,9]				E2-4[6,7,9]				E2-5[6,7,9]			
	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[1,10] (mg/L)	ClO_4[1,10] (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)
07/01/17	0.00				0.00				0.00				0.00			
07/02/17	0.00				0.00				0.00				0.00			
07/03/17	0.00				0.00				0.00				0.00			
07/04/17	0.00				0.00				0.00				0.00			
07/05/17	0.00				0.00				0.00				0.00			
07/06/17	0.00				0.00				0.00				0.00			
07/07/17	0.00				0.00				0.00				0.00			
07/08/17	0.00				0.00				0.00				0.00			
07/09/17	0.00				0.00				0.00				0.00			
07/10/17	0.00				0.00				0.00				0.00			
07/11/17	0.04				0.00				0.07				0.03			
07/12/17	0.47	1730.88			0.16				0.62	1731.02			0.68	1729.19		
07/13/17	1.6	1729.39			1.2	1731.34			0.83	1730.38			0.41	1722.09		
07/14/17	1.3	1725.73			1.1	1729.21			1.1	1729.09			0.02	1724.06		
07/15/17	*1.3*				*1.1*				*1.1*				*0.02*			
07/16/17	*1.3*				*1.1*				*1.1*				*0.02*			
07/17/17	0.29	1730.54	0.030	400	0.31	1730.93	0.023	600	0.30	1730.09	0.024	940	0.10	1729.71	0.025	1,300
07/18/17	1.1	1730.37			0.99	1731.04			0.81	1730.68			0.53	1730.36		
07/19/17	1.1	1730.16			1.0	1730.73			0.87	1730.11			0.46	1728.34		
07/20/17	1.3	1729.26			1.1	1729.80			0.98	1729.41			0.03	1727.70		
07/21/17	1.5	1729.06			1.0	1729.61			1.1	1729.31			0.01	1730.46		
07/22/17	*1.5*				*1.0*				*1.1*				*0.01*			
07/23/17	*1.5*				*1.0*				*1.1*				*0.01*			
07/24/17	1.6	1727.59	0.031	545	1.4	1729.24	0.023	850	1.2	1729.19	0.024	1,100	0.05	1730.95	0.022	1,100
07/25/17	1.4	1727.73			1.1	1728.18			0.92	1728.91			0.22	1729.72		
07/26/17	1.6	1727.29			1.4	1728.03			1.1	1729.02			0.57	1729.01		
07/27/17	1.2	1726.75			1.1	1727.65			0.78	1728.72			0.44	1726.75		
07/28/17	0.18	1727.98			0.17	1728.18			0.16	1729.20			0.09	1726.43		
07/29/17	0.00				0.00				0.00				0.00			
07/30/17	0.00				0.00				0.00				0.00			
07/31/17	0.00	1731.76			0.00	1732.06			0.00	1731.83			0.00	1731.84		
Monthly Average[2]	0.66	1728.90	0.030	475	0.53	1729.69	0.023	726	0.49	1729.79	0.024	1,019	0.12	1728.33	0.024	1,224

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.

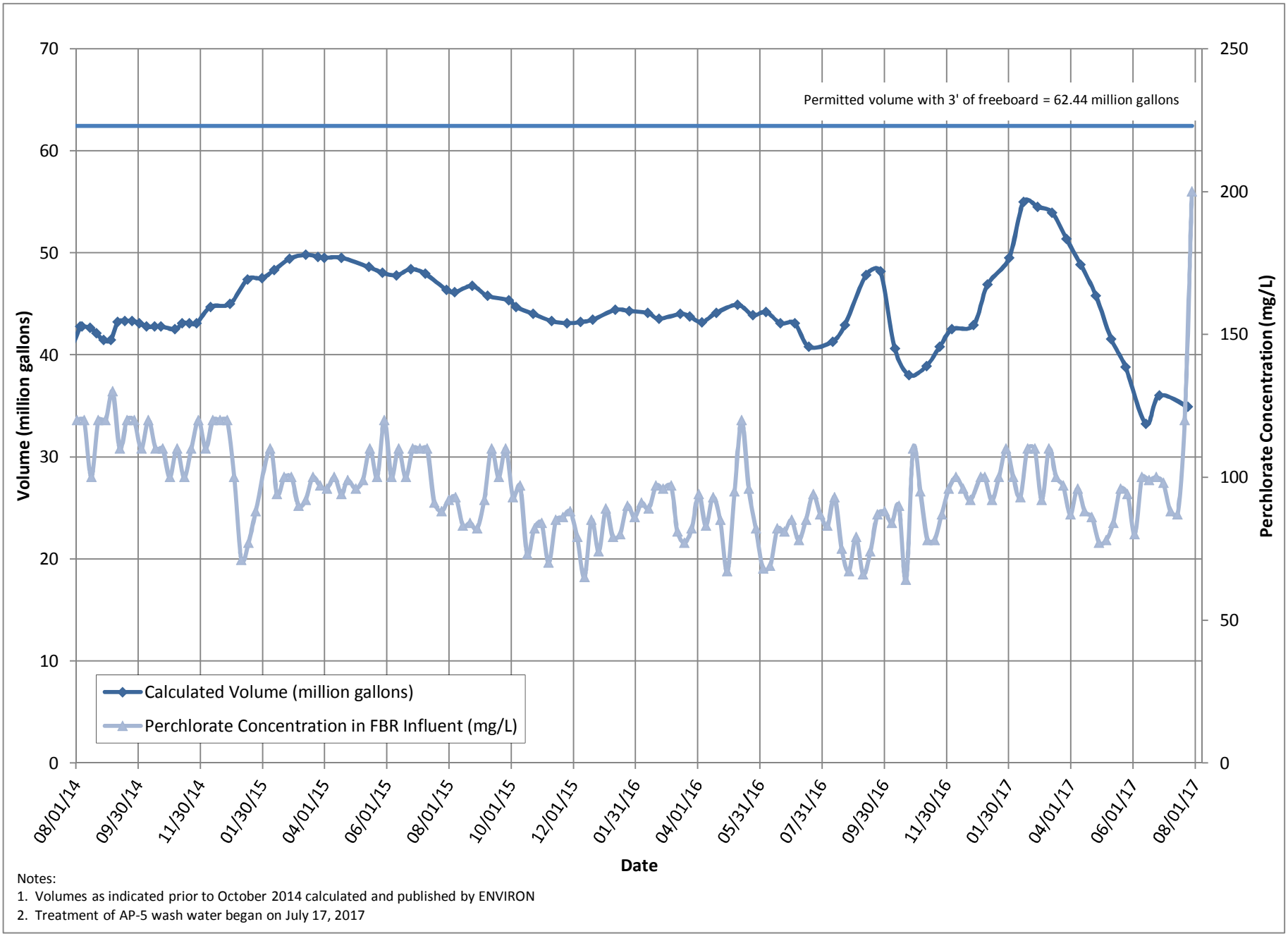
6: No flushing and no pumping occurred at E2 plot from 07/1 to 07/10.

7: Extraction system testing at E2 plot occurred on 07/11 and 07/12 with full-time operation beginning on 07/12.

9: E2 wells were turned off for repair on 07/28/17.

10: Duplicates taken on 07/24/17 for well E2-2; average of both values is presented and used for calculation purposes.

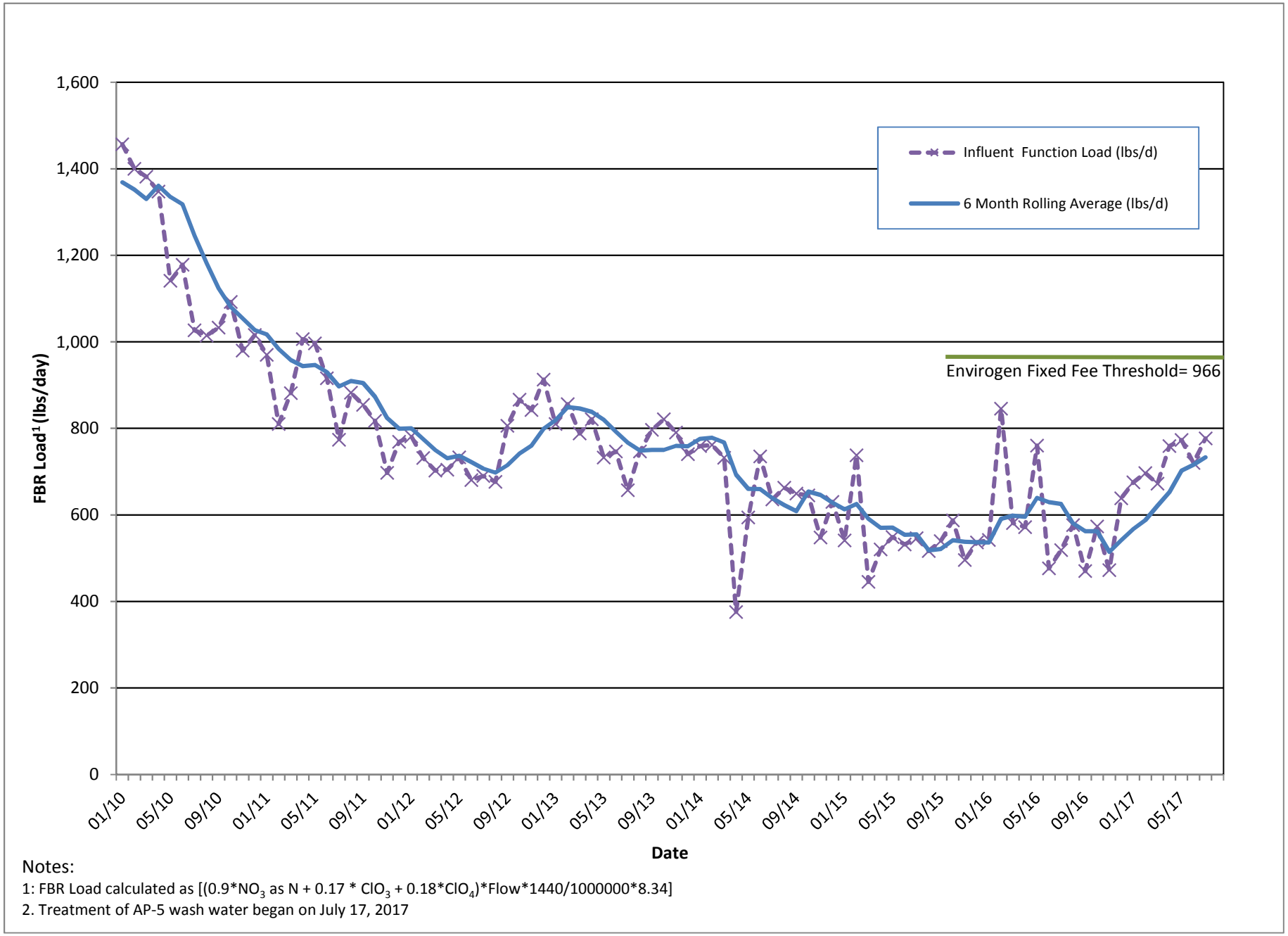
Figure 1 - GW-11 Pond Volume and FBR Influent Perchlorate Concentration



Notes:
1. Volumes as indicated prior to October 2014 calculated and published by ENVIRON
2. Treatment of AP-5 wash water began on July 17, 2017

Updated: 8/23/2017

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]

2. Treatment of AP-5 wash water began on July 17, 2017

Updated:8/22/2017