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[6,7] (gpm)	Water Elevation (ft amsl)	Flow[6,7] (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)
09/01/17	716	166	1535.22	82	1540.43	127	1539.84	112	1535.44	122	1542.23	118	1544.87	89	1545.40	33	1546.95	9.0	< 1520.00
09/02/17	711	167	1535.23	82	1540.69	129	1539.82	112	1535.40	122	1542.21	119	1544.85	90	1545.38	34	1546.93	9.0	< 1520.00
09/03/17	710	169	1535.19	82	1540.75	129	1539.80	113	1535.37	124	1542.19	121	1544.83	91	1545.36	34	1546.91	9.8	1520.18
09/04/17	710	169	1535.18	83	1540.50	130	1539.79	111	1535.48	125	1542.18	120	1544.82	92	1545.35	34	1546.90	9.2	1520.35
09/05/17[3]	621	167	1535.17	87	1540.61	128	1539.81	112	1535.50	122	1542.20	119	1544.82	90	1545.34	34	1546.90	9.1	1520.25
09/06/17	718	167	1535.12	84	1540.89	128	1539.83	112	1535.43	122	1542.18	119	1544.81	90	1545.33	34	1546.87	6.3	1520.12
09/07/17	713	169	1535.04	83	1540.66	129	1539.81	115	1535.11	123	1542.16	119	1544.83	91	1545.32	34	1546.86	9.8	1520.08
09/08/17	711	164	1535.07	81	1540.86	127	1539.82	114	1535.12	121	1542.17	114	1544.85	89	1545.33	34	1546.87	8.9	< 1520.00
09/09/17	709	168	1535.09	82	1540.91	129	1539.87	115	1535.14	123	1542.21	117	1544.89	90	1545.38	34	1546.92	9.1	< 1520.00
09/10/17	704	171	1535.13	84	1540.55	131	1539.88	118	1535.14	125	1542.22	119	1544.91	88	1545.40	33	1546.94	9.2	1520.13
09/11/17[3]	610	167	1535.10	89	1540.71	128	1539.89	115	1535.19	122	1542.23	116	1544.90	90	1545.39	34	1546.94	7.1	1520.09
09/12/17	588	168	1535.87	83	1541.19	129	1540.60	74	1541.84	81	1545.00	116	1545.56	91	1545.86	34	1547.27	9.1	< 1520.00
09/13/17	567	166	1536.00	84	1541.27	128	1540.75	39	1542.01	46	1545.16	116	1545.71	90	1546.00	34	1547.40	9.7	1520.08
09/14/17	535	165	1536.12	83	1541.16	126	1540.84	39	1542.11	46	1545.25	114	1545.80	89	1546.09	33	1547.49	9.6	1520.27
09/15/17	553	170	1536.16	86	1541.13	131	1540.90	41	1542.17	47	1545.31	119	1545.86	92	1546.15	35	1547.55	9.2	< 1520.00
09/16/17	559	166	1536.29	84	1541.09	126	1540.98	39	1542.39	46	1545.39	115	1545.92	90	1546.22	33	1547.62	9.7	1520.22
09/17/17	547	166	1536.23	84	1541.12	128	1541.00	39	1542.42	46	1545.44	115	1545.96	90	1546.26	34	1547.65	9.6	< 1520.00
09/18/17	574	165	1536.35	84	1541.50	128	1541.05	39	1542.51	46	1545.45	115	1545.99	89	1546.29	34	1547.69	9.6	1520.19
09/19/17[4]	529	164	1536.57	84	1541.26	124	1541.11	39	1542.58	46	1545.53	114	1546.06	89	1546.36	33	1547.75	9.9	1520.21
09/20/17	587	169	1535.98	86	1541.11	131	1540.75	72	1536.15	54	1544.76	117	1545.78	91	1546.15	34	1547.61	11	1520.18
09/21/17	662	166	1535.85	84	1540.70	129	1540.62	115	1535.97	64	1544.66	116	1545.67	90	1546.06	34	1547.52	9.0	< 1520.00
09/22/17	645	168	1535.74	84	1541.02	129	1540.57	116	1535.89	64	1544.61	117	1545.62	91	1546.01	34	1547.49	9.8	< 1520.00
09/23/17	645	166	1535.70	84	1540.89	128	1540.54	115	1535.84	63	1544.57	115	1545.59	90	1545.98	34	1547.45	9.7	< 1520.00
09/24/17	644	166	1535.70	83	1540.96	127	1540.52	114	1535.81	63	1544.56	115	1545.57	89	1545.97	34	1547.44	9.6	< 1520.00
09/25/17[3]	558	167	1535.62	81	1541.04	129	1540.50	116	1535.77	63	1544.54	116	1545.56	90	1545.95	34	1547.43	8.1	1520.25
09/26/17	642	167	1535.61	83	1540.99	128	1540.48	115	1535.75	63	1544.53	117	1545.55	90	1545.93	34	1547.41	9.0	< 1520.00
09/27/17	640	169	1535.63	84	1541.00	129	1540.47	116	1535.73	64	1544.51	117	1545.53	91	1545.92	34	1547.40	9.8	1520.06
09/28/17	639	168	1535.62	84	1540.93	129	1540.46	116	1535.71	64	1544.51	117	1545.52	91	1545.92	34	1547.39	9.8	< 1520.00
09/29/17	639	165	1535.61	82	1540.94	127	1540.45	114	1535.69	63	1544.49	115	1545.51	89	1545.91	33	1547.38	8.9	1520.18
09/30/17	641	168	1535.55	84	1541.00	130	1540.44	117	1535.68	64	1544.49	118	1545.51	91	1545.90	34	1547.38	9.8	< 1520.00
Monthly Average	634	167	1535.62	84	1540.93	128	1540.37	94	1537.34	81	1543.90	117	1545.39	90	1545.80	34	1547.28	9.2	1520.09
Analytical[1]		Conc (mg/L)	Date	Conc (mg/L)	Date	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
Perchlorate		15	9/12/2017	20	9/12/2017	13	9/12/2017	6.3	9/12/2017	4.5	9/12/2017	0.67	9/12/2017	0.15	9/12/2017	0.25	9/12/2017	1.7	9/12/2017
Hexavalent Chromium		0.0019	9/12/2017	ND	9/12/2017	ND	9/12/2017	0.0019	9/12/2017	ND	9/12/2017	ND	9/12/2017	ND	9/12/2017	ND	9/12/2017	ND	9/12/2017
Total Chromium		0.0025 J	9/12/2017	ND	9/12/2017	ND	9/12/2017	ND	9/12/2017	ND	9/12/2017	ND	9/12/2017	ND	9/12/2017	ND	9/12/2017	ND	9/12/2017

Notes:

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

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

J = Result is less than the 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: 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 09/05, 09/11, and 09/25, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 09/19, LS #1 and SWF offline from 10:27 am to 11:58 am for maintenance.

5: Duplicates taken on 09/12 for well PC-115R; average of both values is presented and used for calculation.

6: On 09/12, PC-117 and PC-118 flows were reduced to allow increased flow from GW-11 to the FBR plant.

7: On 09/20, PC-117 and PC-118 adjusted to meet flow target as directed by the Trust.

Table Updated: 10/18/2017

Table 2 - Athens Well Field (AWF) Operational Metrics

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																	
Date	LS #3 Flow (gpm)	ART-1/1A		ART-2/2A		ART-3/3A		ART-4/4A		ART-9		ART-7A/7B		ART-8/8A		PC-150	
		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 (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[7] (gpm)	Water Elevation (ft amsl)
09/01/17	405	42	1582.69	151	1581.66	18	1581.43	1.4	1579.12	52	1581.85	16	1583.88	176	1582.39	1.5	1576.67
09/02/17	406	42	1582.68	152	1581.65	17	1581.42	2.8	1579.12	52	1581.85	16	1583.88	175	1582.38	1.5	1576.67
09/03/17	404	42	1582.67	152	1581.64	18	1581.41	1.4	1579.12	52	1581.89	15	1583.88	176	1582.37	1.5	1576.67
09/04/17	407	42	1582.65	152	1581.63	18	1581.40	2.1	1579.12	52	1581.85	16	1583.88	176	1582.36	1.5	1576.67
09/05/17[2]	396	42	1582.64	156	1581.62	16	1581.40	1.1	1579.12	51	1581.81	18	1583.89	174	1582.35	1.5	1576.67
09/06/17[3]	395	41	1582.90	147	1581.91	17	1581.68	2.7	1579.12	51	1582.18	16	1583.85	172	1582.69	1.5	1576.67
09/07/17[3]	372	39	1582.91	139	1581.89	14	1581.59	2.1	1582.40	50	1582.06	15	1583.84	158	1582.60	1.5	1576.68
09/08/17	393	41	1582.81	145	1581.79	19	1581.51	0.10	1582.36	51	1582.06	16	1583.87	169	1582.50	1.5	1576.68
09/09/17	408	42	1582.73	152	1581.70	18	1581.44	0.60	1582.27	52	1582.42	16	1581.91	176	1582.42	1.5	1576.68
09/10/17[3]	406	42	1582.69	152	1581.67	18	1581.41	1.0	1582.23	52	1582.39	16	1583.82	176	1582.39	1.5	1576.68
09/11/17[2]	473	42	1582.73	150	1581.71	15	1581.43	1.1	1582.26	54	1582.10	12	1583.85	177	1582.42	1.5	1576.68
09/12/17	388	42	1582.67	151	1581.64	17	1581.38	1.0	1582.23	52	1582.10	16	1583.82	176	1582.37	1.5	1576.68
09/13/17	423	42	1582.63	151	1581.61	18	1581.36	1.4	1579.11	52	1581.85	17	1583.85	176	1582.33	1.5	1576.68
09/14/17	399	42	1582.62	152	1581.59	18	1581.35	2.1	1579.11	52	1581.91	16	1583.84	176	1582.32	1.5	1576.68
09/15/17	413	42	1582.61	151	1581.58	18	1581.35	2.1	1579.12	52	1581.88	16	1583.87	176	1582.31	1.5	1576.68
09/16/17	397	41	1582.68	148	1581.66	18	1581.40	2.8	1579.11	51	1582.04	16	1583.84	172	1582.38	1.5	1576.68
09/17/17	407	42	1582.60	152	1581.58	17	1581.34	2.1	1579.11	52	1581.94	16	1583.84	176	1582.30	1.5	1576.68
09/18/17	406	42	1582.59	152	1581.56	18	1581.33	1.4	1579.11	52	1581.96	16	1583.84	176	1582.29	1.5	1576.68
09/19/17[3,4]	381	39	1582.77	142	1581.75	17	1581.48	4.3	1579.11	49	1582.36	15	1583.90	164	1582.46	1.5	1576.68
09/20/17	397	41	1582.64	152	1581.62	18	1581.38	4.2	1579.11	54	1576.99	16	1583.84	176	1582.34	1.5	1576.68
09/21/17	417	42	1582.58	148	1581.55	17	1581.33	5.5	1579.11	51	1577.01	17	1583.84	176	1582.29	1.5	1576.68
09/22/17	406	41	1582.57	147	1581.55	17	1581.32	5.6	1579.11	52	1582.28	16	1583.81	176	1582.28	1.5	1576.68
09/23/17	407	41	1582.56	147	1581.53	17	1581.31	3.5	1579.11	57	1579.82	16	1583.79	176	1582.27	1.5	1576.68
09/24/17	407	41	1582.55	147	1581.53	18	1581.31	2.1	1579.11	57	1577.72	16	1583.79	175	1582.26	1.5	1576.67
09/25/17[2]	494	42	1582.54	152	1581.52	19	1581.31	2.7	1579.11	86	1577.65	11	1583.80	179	1582.26	1.5	1576.67
09/26/17	405	42	1582.54	151	1581.51	17	1581.30	0.69	1579.11	56	1578.28	16	1583.80	177	1582.25	1.7	1576.68
09/27/17	406	42	1582.53	152	1581.51	17	1581.30	1.4	1579.11	56	1576.94	16	1583.80	177	1582.25	1.7	1576.68
09/28/17	405	42	1582.52	151	1581.50	17	1581.29	0.70	1579.11	56	1576.74	16	1583.80	176	1582.25	1.7	1576.68
09/29/17	405	43	1582.52	151	1581.50	17	1581.29	1.4	1579.11	56	1577.15	16	1583.80	176	1582.24	1.7	1576.67
09/30/17	406	42	1582.51	152	1581.49	17	1581.29	2.8	1579.11	55	1577.09	16	1583.80	176	1582.23	1.7	1576.67
Monthly Average	408	42	1582.64	150	1581.62	17	1581.38	2.1	1579.75	54	1580.54	16	1583.77	175	1582.35	1.5	1576.68
Analytical[1]		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[6] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		22	9/6/2017	18	9/6/2017	210	9/6/2017	150	9/6/2017	200	9/6/2017	120	9/6/2017	96	9/6/2017	110	9/6/2017
Hexavalent Chromium		ND	9/6/2017	0.0098	9/6/2017	0.36	9/6/2017	0.19	9/6/2017	0.70	9/6/2017	0.63	9/6/2017	0.12	9/6/2017	0.086	9/6/2017
Total Chromium		ND	9/6/2017	0.011	9/6/2017	0.36	9/6/2017	0.20	9/6/2017	0.75	9/6/2017	0.65	9/6/2017	0.12	9/6/2017	0.086	9/6/2017

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).

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 09/05, 09/11, and 09/25, 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 09/06, 09/07, 09/10 and 09/19, LS #3 and AWF flows were intermittent due to electrical issues.

4: On 09/19, LS #3 and AWF offline from 10:27 am to 11:58 am for maintenance.

5: On 09/20, ART-9 adjusted to meet flow target as directed by the Trust.

6: Duplicates taken on 09/06 for well ART-7B; average of both values is presented and used for calculation.

7: Conducted periodic bucket tests to confirm flow rates for PC-150. From 09/01-09/25, average flow of 1.5 gpm determined from flow tests is presented for flows and used for calculation purposes. From 09/26-09/30, average flow of 1.7 gpm determined from flow tests is presented for flows and used for calculation purposes.

Table Updated: 10/18/2017

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[4] (gpm)	Water Elevation (ft amsl)	Flow[4] (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[4] (gpm)	Water Elevation[2] (ft amsl)	Flow[5] (gpm)	Water Elevation[2] (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[2,6] (ft amsl)
09/01/17	0.13	1727.02	1.1	1710.97	0.00	1720.82	0.00	1724.22	0.00	1725.17	0.40	1715.93	3.3	< 1710.00	1.8	1720.87	1.4	1708.35	4.5	1705.01
09/02/17	0.13	1726.99	1.1	1711.19	0.00	1720.79	0.00	1724.20	0.00	1725.16	0.41	1716.05	3.9	< 1710.00	2.2	1718.50	1.4	1708.35	4.4	1705.02
09/03/17	0.12	1727.03	1.1	1711.18	0.00	1720.77	0.00	1724.20	0.00	1725.15	0.40	1715.88	3.8	< 1710.00	2.2	1718.03	1.4	1708.36	4.5	1705.02
09/04/17	0.12	1727.07	1.1	1711.23	0.00	1720.75	0.00	1724.20	0.00	1725.16	0.41	1716.05	3.8	< 1710.00	2.1	1718.04	1.4	1708.36	4.5	1705.02
09/05/17[3]	0.30	1724.78	1.2	1709.01	0.00	1720.69	0.00	1724.18	0.00	1725.15	0.40	1715.97	3.4	< 1710.00	2.1	1717.84	1.4	1708.36	4.4	1705.01
09/06/17	0.29	1724.65	1.2	1709.55	0.00	1720.68	0.00	1724.19	0.00	1725.15	0.40	1716.08	3.8	< 1710.00	2.1	1717.86	1.4	1708.36	4.4	1705.01
09/07/17	0.29	1724.71	1.2	1709.94	0.00	1720.68	0.00	1724.18	0.00	1725.14	0.40	1716.22	3.8	< 1710.00	2.1	1717.93	1.4	1708.36	4.4	1705.01
09/08/17	0.28	1724.87	1.1	1710.71	0.00	1720.69	0.00	1724.13	0.00	1725.13	0.41	1716.56	4.1	< 1710.00	2.1	1718.04	1.4	1708.36	4.4	< 1705.00
09/09/17	0.27	1724.80	1.1	1710.79	0.00	1720.71	0.00	1724.13	0.00	1725.13	0.40	1716.90	4.1	< 1710.00	2.0	1718.09	1.4	1708.36	4.5	1705.01
09/10/17	0.3	1724.63	1.1	1710.99	0.00	1720.72	0.00	1724.15	0.00	1725.13	0.37	1716.76	4.0	< 1710.00	2.0	1718.10	1.4	1708.36	4.5	1705.01
09/11/17[3]	0.3	1724.64	1.1	1711.22	0.00	1720.72	0.00	1724.15	0.00	1725.13	0.41	1716.66	4.1	< 1710.00	2.0	1718.24	1.4	1708.36	4.4	1705.01
09/12/17	0.2	1724.66	1.1	1708.54	0.00	1720.71	0.02	1724.24	0.00	1725.24	0.40	1716.36	3.9	< 1710.00	2.0	1718.34	1.4	1708.36	4.4	1705.01
09/13/17	0.2	1724.62	1.0	1712.88	0.00	1720.74	0.00	1724.26	0.00	1725.12	0.40	1716.45	3.9	< 1710.00	2.0	1718.46	1.4	1708.36	4.4	1712.97
09/14/17	0.23	1724.66	0.96	1712.88	0.00	1720.74	0.00	1724.25	0.00	1725.13	0.41	1716.53	3.9	< 1710.00	1.9	1718.58	1.4	1708.36	4.5	1712.94
09/15/17	0.23	1724.80	0.94	1713.07	0.00	1720.79	0.00	1724.23	0.00	1725.12	0.40	1716.78	4.0	< 1710.00	1.9	1718.49	1.4	1708.36	4.4	1712.92
09/16/17	0.22	1724.91	1.3	1708.01	0.00	1720.70	0.00	1724.22	0.00	1725.11	0.40	1716.61	4.0	< 1710.00	2.1	1715.61	1.4	1708.36	4.4	1712.87
09/17/17	0.21	1725.03	1.3	1708.01	0.00	1720.68	0.00	1724.21	0.00	1725.11	0.41	1716.61	4.0	< 1710.00	2.1	1715.46	1.4	1708.36	4.5	1712.83
09/18/17	0.21	1725.08	1.3	1708.02	0.00	1720.68	0.00	1724.23	0.00	1725.11	0.41	1716.54	4.0	< 1710.00	2.1	1715.67	1.4	1708.36	4.5	1712.82
09/19/17	0.20	1725.06	1.3	1708.05	0.00	1720.66	0.00	1724.22	0.00	1725.11	0.39	1716.82	4.0	< 1710.00	2.1	1715.61	1.4	1708.36	4.5	1712.80
09/20/17	0.20	1725.04	1.2	1708.39	0.00	1720.66	0.00	1724.23	0.00	1725.12	0.36	1716.44	4.0	< 1710.00	2.1	1715.52	1.4	1708.36	4.5	1712.79
09/21/17	0.20	1725.01	1.3	1708.82	0.00	1720.63	0.00	1724.20	0.00	1725.11	0.41	1716.55	4.1	< 1710.00	2.1	1715.28	1.4	1708.36	4.4	1712.76
09/22/17	0.20	1725.02	1.2	1709.09	0.00	1720.63	0.00	1724.19	0.00	1725.10	0.41	1716.58	4.1	< 1710.00	2.1	1715.11	1.4	1708.36	4.2	1712.74
09/23/17	0.20	1725.03	1.2	1710.30	0.00	1720.61	0.00	1724.16	0.00	1725.08	0.41	1716.44	4.1	< 1710.00	2.1	1714.85	1.4	1708.36	4.2	1712.70
09/24/17	0.20	1725.03	1.2	1710.43	0.00	1720.61	0.00	1724.16	0.00	1725.08	0.42	1716.41	4.1	< 1710.00	2.1	1714.90	1.4	1708.36	4.2	1712.67
09/25/17[3]	0.20	1725.12	1.2	1710.36	0.00	1720.61	0.00	1724.17	0.00	1725.08	0.42	1716.39	4.0	< 1710.00	2.0	1714.94	1.4	1708.35	4.4	1712.67
09/26/17	0.19	1725.09	1.1	1710.41	0.00	1720.59	0.00	1724.18	0.00	1725.08	0.41	1716.53	4.0	< 1710.00	2.1	< 1706.00	1.4	1708.36	4.4	1712.63
09/27/17	0.19	1725.03	1.1	1710.42	0.00	1720.55	0.00	1724.17	0.00	1725.08	0.39	1716.36	4.0	< 1710.00	2.2	< 1706.00	1.4	1708.36	4.4	1712.62
09/28/17	0.19	1725.04	1.1	1710.46	0.00	1720.53	0.00	1724.17	0.00	1725.08	0.39	1716.42	4.0	< 1710.00	2.1	1706.15	1.4	1708.36	4.4	1712.61
09/29/17	0.19	1724.98	1.1	1710.46	0.00	1720.53	0.00	1724.18	0.00	1725.08	0.37	1716.35	3.9	< 1710.00	2.1	1706.15	1.4	1708.35	4.4	1712.58
09/30/17	0.18	1725.00	1.1	1710.41	0.00	1720.51	0.00	1724.20	0.00	1725.09	0.37	1716.04	3.9	< 1710.00	2.0	1706.15	1.3	1708.36	4.4	1712.55
Monthly Average	0.21	1725.18	1.1	1710.19	0.00	1720.67	0.00	1724.19	0.00	1725.12	0.40	1716.41	3.9	< 1710.00	2.1	1715.29	1.4	1708.36	4.4	1709.65
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	1,800	9/13/2017	79	9/13/2017	180	9/13/2017	240	9/12/2017	140	9/12/2017	240	9/13/2017	630	9/13/2017	610	9/14/2017	470	9/14/2017	620	9/13/2017
Hexavalent Chromium	0.034	9/13/2017	0.055	9/13/2017	ND	9/13/2017	2.1	9/12/2017	1.1	9/12/2017	0.036	9/13/2017	1.9	9/13/2017	5.0	9/14/2017	6.1	9/14/2017	12	9/13/2017
Total Chromium	0.14	9/13/2017	0.055	9/13/2017	0.011	9/13/2017	2.0	9/12/2017	1.2	9/12/2017	0.041	9/13/2017	1.8	9/13/2017	5.7	9/14/2017	7.5	9/14/2017	14	9/13/2017

Notes:

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

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

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 or above the transducer.

3: On 09/05, 09/11, and 09/25, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 09/04, I-AR, I-AA, I-C, I-G, I-Q, I-S, I-U, and I-Y adjusted to meet flow target as directed by the Trust.

5: On 09/26, I-D, I-L, I-M, I-U, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

6: On 09/13, transducer for I-F was cleaned and placed back in the well. Previous water elevation measurements are suspect.

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[4,7] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[2,8] (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[5] (gpm)	Water Elevation (ft amsl)	Flow[5] (gpm)	Water Elevation[2,8] (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
09/01/17	0.05	1720.84	1.2	> 1737.00	4.9	1721.80	6.5	1707.04	3.3	1714.34	1.4	1715.14	1.6	< 1710.00	4.2	1717.61	0.72	1721.27	1.6	1720.56
09/02/17	0.05	1720.84	1.1	> 1737.00	4.9	1721.78	6.5	1707.04	3.3	1714.32	1.4	1714.75	1.6	< 1710.00	4.2	1717.56	0.68	1721.26	1.6	1719.98
09/03/17	0.05	1720.86	1.0	> 1737.00	4.9	1721.77	6.5	1707.04	3.3	1714.31	1.3	1714.81	1.6	< 1710.00	4.2	1717.56	0.67	1721.20	1.9	1719.94
09/04/17	0.04	1720.88	1.0	> 1737.00	4.9	1721.76	6.5	1707.04	3.3	1714.30	1.4	1714.56	1.6	< 1710.00	4.2	1717.57	0.66	1721.19	1.9	1719.98
09/05/17[3]	0.08	1720.44	1.2	> 1737.00	5.0	1721.74	6.6	1707.03	3.3	1714.27	1.4	1714.18	1.6	< 1710.00	4.2	1717.55	0.64	1721.19	1.9	1719.97
09/06/17	0.08	1720.57	1.0	> 1737.00	4.9	1721.74	6.5	1707.04	3.3	1714.28	1.4	1714.36	1.6	< 1710.00	4.2	1717.51	0.69	1721.17	1.9	1719.99
09/07/17	0.07	1720.62	1.1	> 1737.00	4.9	1721.73	6.5	1707.04	3.2	1714.27	1.4	1714.48	1.6	< 1710.00	4.2	1717.49	0.73	1721.16	1.9	1720.00
09/08/17	0.06	1720.69	1.3	> 1737.00	4.9	1721.71	6.5	1707.03	3.2	1714.19	1.4	1714.51	1.6	< 1710.00	4.2	1717.50	0.90	1721.17	2.0	1720.03
09/09/17	0.06	1720.73	1.3	> 1737.00	4.9	1721.71	6.4	1707.04	3.3	1714.20	1.4	1714.31	1.6	< 1710.00	4.2	1717.53	0.97	1721.16	2.0	1720.09
09/10/17	0.05	1720.76	1.2	> 1737.00	4.9	1721.73	6.5	1707.04	3.3	1714.22	1.4	1714.52	1.6	< 1710.00	4.2	1717.55	0.95	1721.19	1.9	1720.31
09/11/17[3]	0.05	1720.79	1.1	> 1737.00	5.0	1721.75	6.5	1707.04	3.3	1714.21	1.4	1714.50	1.6	< 1710.00	4.2	1717.56	0.70	1721.22	1.7	1720.37
09/12/17	0.05	1720.81	1.1	> 1737.00	4.9	1721.77	6.5	1707.04	3.2	1714.22	1.4	1714.68	1.6	< 1710.00	4.2	1717.60	0.74	1727.85	1.7	1720.43
09/13/17	0.13	1719.08	1.1	> 1737.00	4.9	1721.78	6.5	1707.04	3.2	1714.21	1.4	1714.91	1.6	< 1710.00	4.2	1717.38	0.74	1728.12	1.7	1720.48
09/14/17	0.09	1720.87	1.1	> 1737.00	4.9	1721.78	6.5	1707.03	3.2	1714.18	1.4	1714.92	1.6	< 1710.00	4.2	1717.31	0.77	1728.40	1.7	1720.47
09/15/17	0.25	1720.95	1.2	> 1737.00	4.9	1721.77	6.5	1707.03	3.3	1714.15	1.3	1715.03	1.6	< 1710.00	4.2	1717.26	0.87	1729.04	1.8	1720.47
09/16/17	0.12	1718.13	1.2	> 1737.00	4.9	1721.77	6.5	1707.03	3.3	1714.13	1.4	1714.82	1.6	< 1710.00	4.2	1717.16	0.85	1730.10	1.7	1720.47
09/17/17	0.13	1718.06	1.1	> 1737.00	4.9	1721.77	6.5	1707.03	3.3	1714.11	1.3	1715.36	1.6	< 1710.00	4.2	1717.06	0.92	1730.30	1.7	1720.51
09/18/17	0.13	1718.19	1.0	> 1737.00	4.9	1721.79	6.5	1707.03	3.3	1714.16	1.3	1715.52	1.6	< 1710.00	4.2	1717.01	0.87	1725.03	1.7	1720.53
09/19/17	0.12	1718.15	1.0	> 1737.00	4.9	1721.79	6.6	1707.03	3.3	1714.15	1.3	1715.64	1.5	< 1710.00	4.2	1716.95	0.92	1724.98	1.8	1720.56
09/20/17	0.12	1718.34	1.2	> 1737.00	5.0	1721.80	6.6	1707.03	3.3	1714.19	1.3	1715.67	1.5	< 1710.00	4.2	1716.92	0.95	1725.75	1.7	1720.60
09/21/17	0.12	1718.36	1.3	> 1737.00	5.1	1721.79	6.6	1707.03	3.3	1714.51	1.3	1715.75	1.5	< 1710.00	4.2	1716.80	0.98	1725.31	1.7	1720.61
09/22/17	0.12	1718.31	1.3	> 1737.00	5.1	1721.79	6.6	1707.03	3.3	1714.51	1.3	1715.82	1.5	< 1710.00	4.2	1716.71	1.00	1725.25	1.8	1720.63
09/23/17	0.12	1718.27	1.3	> 1737.00	5.1	1721.77	6.6	1707.03	3.3	1714.47	1.3	1715.81	1.5	< 1710.00	4.2	1716.59	1.00	1725.55	1.8	1720.61
09/24/17	0.12	1718.32	1.3	> 1737.00	5.1	1721.77	6.6	1707.02	3.2	1715.31	1.3	1715.75	1.5	< 1710.00	4.2	1716.45	0.95	1716.06	1.7	1720.63
09/25/17[3]	0.14	1716.67	1.3	> 1737.00	4.9	1721.79	6.3	1707.02	3.0	1715.44	1.3	1715.66	1.6	< 1710.00	4.1	1716.41	0.97	1716.07	1.8	1720.65
09/26/17	0.13	1717.15	1.3	> 1737.00	4.9	1721.79	6.5	1707.03	3.0	1715.28	1.4	1711.63	1.8	< 1710.00	4.2	1716.27	0.93	1716.21	1.7	1720.76
09/27/17	0.12	1717.34	1.2	> 1737.00	4.9	1721.80	6.5	1707.03	3.1	1715.28	1.6	1711.59	2.3	< 1710.00	4.2	1716.15	0.92	1716.62	1.6	1720.80
09/28/17	0.12	1717.47	1.2	> 1737.00	4.9	1721.81	6.5	1707.03	3.0	1715.37	1.6	1711.58	2.3	< 1710.00	4.1	1716.07	0.90	1716.92	1.6	1720.83
09/29/17	0.12	1717.88	1.1	> 1737.00	4.9	1721.83	6.5	1707.03	3.0	1715.41	1.6	1711.59	2.3	< 1710.00	4.1	1715.95	0.88	1716.96	1.6	1720.86
09/30/17	0.11	1718.10	1.2	> 1737.00	4.9	1721.84	6.5	1707.03	3.0	1715.44	1.6	1711.59	2.3	< 1710.00	4.1	1715.67	0.88	1717.02	1.6	1720.90
Monthly Average	0.10	1719.28	1.2	1737.00	5.0	1721.77	6.5	1707.03	3.2	1714.51	1.4	1714.45	1.7	1710.00	4.2	1717.02	0.84	1722.49	1.8	1720.43
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	1,300	9/14/2017	1,000	9/14/2017	760	9/12/2017	320	9/12/2017	260	9/12/2017	640	9/13/2017	570	9/14/2017	470	9/14/2017	740	9/14/2017	1,100	9/14/2017
Hexavalent Chromium	20	9/14/2017	16	9/14/2017	12	9/12/2017	3.8	9/12/2017	2.1	9/12/2017	0.40	9/13/2017	6.2	9/14/2017	5.8	9/14/2017	18	9/14/2017	17	9/14/2017
Total Chromium	23	9/14/2017	15	9/14/2017	11	9/12/2017	3.7	9/12/2017	2.2	9/12/2017	0.44	9/13/2017	6.2	9/14/2017	7.3	9/14/2017	21	9/14/2017	19	9/14/2017

Notes:

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

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 or above the transducer.

3: On 09/05, 09/11, and 09/25, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 09/04, I-AR, I-AA, I-C, I-G, I-Q, I-S, I-U, and I-Y adjusted to meet flow target as directed by the Trust.

5: On 09/26, I-D, I-L, I-M, I-U, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

7: On 09/24, I-G and I-Q adjusted to meet flow target as directed by the Trust.

8: From 09/01-09/30, transducers for I-H and I-M were not functioning. Replacement transducers have been requested from the manufacturer.

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[4 7 9] (gpm)	Water Elevation[2 10] (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[4] (gpm)	Water Elevation[2 11] (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[4 5] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[5 13] (gpm)	Water Elevation (ft amsl)	Flow[4 5] (gpm)	Water Elevation[2] (ft amsl)	Flow (gpm)	Water Elevation[2] (ft amsl)
09/01/17	0.15	1719.35	1.4	1709.39	3.7	< 1710.00	0.48	1708.42	0.64	1713.32	4.3	1719.20	0.81	1718.76	4.0	1713.94	1.2	1716.34	7.7	< 1710.00
09/02/17	0.16	1719.30	1.4	1710.33	3.7	< 1710.00	0.49	1708.43	0.62	1713.54	4.3	1719.17	0.81	1718.78	3.9	1714.14	1.3	1710.21	7.6	< 1710.00
09/03/17	0.17	1719.22	1.4	1710.71	3.6	< 1710.00	0.49	1708.46	0.61	1713.55	4.3	1719.13	0.78	1718.77	3.8	1714.40	1.4	1714.12	7.6	< 1710.00
09/04/17	0.18	1719.38	1.4	1711.05	3.5	< 1710.00	0.50	1708.47	0.61	1713.62	4.3	1719.10	0.77	1718.82	3.6	1714.56	1.3	1715.48	7.6	< 1710.00
09/05/17[3]	0.15	1719.31	1.3	1710.02	3.6	< 1710.00	0.49	1708.08	0.79	1709.97	4.3	1719.07	0.71	1718.86	3.7	1714.40	1.5	1711.86	7.6	< 1710.00
09/06/17	0.15	1719.29	1.2	1711.52	3.5	< 1710.00	0.49	1708.18	0.78	1710.68	4.3	1719.07	0.72	1718.94	3.7	1714.37	1.5	1712.89	7.7	< 1710.00
09/07/17	0.15	1719.39	1.2	1712.87	3.5	< 1710.00	0.48	1708.43	0.74	1711.20	4.3	1719.06	0.72	1718.98	3.6	1714.48	1.4	1715.23	7.7	< 1710.00
09/08/17	0.13	1719.47	1.6	1712.15	3.5	< 1710.00	0.49	1707.63	0.72	1711.45	4.3	1719.02	0.71	1719.00	3.6	1714.82	1.3	1715.61	7.7	< 1710.00
09/09/17	0.12	1719.50	1.8	1713.10	3.5	< 1710.00	0.49	1708.06	0.71	1711.70	4.3	1719.03	0.71	1719.03	3.5	1714.81	1.2	1715.80	7.7	< 1710.00
09/10/17	0.12	1719.49	1.5	1713.90	3.5	< 1710.00	0.49	1707.63	0.70	1711.94	4.3	1719.06	0.67	1719.15	3.5	1714.87	1.2	1715.95	7.7	< 1710.00
09/11/17[3]	0.11	1719.49	1.4	1713.83	3.5	< 1710.00	0.49	1707.61	0.67	1712.19	4.4	1719.08	0.69	1719.21	3.4	1714.95	1.3	1715.84	7.6	< 1710.00
09/12/17	0.13	1719.43	1.4	1713.58	3.5	< 1710.00	0.50	1707.65	0.67	1712.31	4.3	1719.12	0.65	1719.27	3.4	1715.15	1.2	1715.83	7.7	< 1710.00
09/13/17	0.16	1719.29	1.3	1713.88	3.5	1710.80	0.50	1707.49	0.67	1712.42	4.3	1719.14	0.67	1719.32	4.0	1713.64	1.2	1717.88	7.7	< 1710.00
09/14/17	0.05	1719.97	1.3	1714.82	3.5	1710.80	0.50	1707.37	0.66	1712.71	4.3	1719.15	0.66	1719.35	3.9	1713.87	1.2	1716.15	7.7	< 1710.00
09/15/17	0.00	< 1710.00	1.2	1715.72	3.5	1710.80	0.50	1707.48	0.65	1712.85	4.3	1719.13	0.66	1719.35	3.8	1714.02	1.1	1719.97	7.7	< 1710.00
09/16/17	0.12	< 1710.00	1.2	1715.70	3.5	1710.80	0.50	1707.32	0.64	1712.97	4.3	1719.13	0.65	1719.38	4.0	1713.56	1.4	1715.32	7.7	< 1710.00
09/17/17	0.13	< 1710.00	1.2	1715.64	3.5	1710.80	0.50	1707.66	0.64	1713.08	4.3	1719.13	0.64	1719.41	3.9	1713.54	1.3	1715.46	7.6	< 1710.00
09/18/17	0.09	< 1710.00	1.2	1715.25	3.5	1710.80	0.50	1707.63	0.62	1713.24	4.4	1719.16	0.64	1719.45	3.9	1713.85	1.3	1715.73	7.5	< 1710.00
09/19/17	0.12	< 1710.00	1.2	1715.12	3.5	1710.81	0.50	1707.89	0.62	1713.20	4.4	1719.17	0.64	1719.47	3.7	1713.86	1.2	1715.80	7.5	< 1710.00
09/20/17	0.14	< 1710.00	1.2	1715.24	3.5	1710.80	0.50	1707.98	0.62	1713.35	4.4	1719.20	0.64	1719.51	3.7	1713.93	1.2	1715.94	7.5	< 1710.00
09/21/17	0.13	< 1710.00	1.3	1714.94	3.5	1710.80	0.50	1707.96	0.63	1713.43	4.3	1719.18	0.64	1719.53	3.8	1713.41	1.2	1716.61	7.5	< 1710.00
09/22/17	0.13	< 1710.00	1.6	1714.72	3.5	1710.80	0.49	1707.89	0.59	1713.50	4.2	1719.18	0.64	1719.53	3.8	1713.87	1.2	1716.46	7.5	< 1710.00
09/23/17	0.12	< 1710.00	1.7	1714.29	3.5	1710.80	0.47	1707.83	0.59	1713.58	4.2	1719.15	0.64	1719.51	3.8	1713.27	1.1	1716.51	7.5	< 1710.00
09/24/17	0.12	< 1710.00	1.8	1714.27	3.4	1710.80	0.47	1707.84	0.59	1713.62	4.2	1719.15	0.62	1719.59	3.8	1713.68	1.1	1716.48	7.5	< 1710.00
09/25/17[3]	0.23	< 1710.00	1.7	1714.24	3.4	1710.79	0.49	1707.76	0.60	1713.59	4.3	1719.18	0.58	1719.64	3.5	1714.08	1.2	1716.49	7.8	< 1710.00
09/26/17	0.21	< 1710.00	1.7	1713.50	3.4	1710.80	0.49	1707.79	0.60	1713.60	4.3	1719.19	0.60	1719.68	3.6	1713.18	1.3	< 1705.00	7.7	< 1710.00
09/27/17	0.21	< 1710.00	1.7	1713.38	3.3	1710.80	0.49	1707.87	0.60	1713.77	4.3	1719.20	0.59	1719.71	3.7	1713.95	1.6	1705.77	7.7	< 1710.00
09/28/17	0.21	< 1710.00	1.6	1713.63	3.2	1710.80	0.48	1707.89	0.59	1713.89	4.3	1719.22	0.59	1719.73	3.5	1714.05	1.4	1715.71	7.7	< 1710.00
09/29/17	0.20	< 1710.00	1.4	1713.86	3.2	1710.80	0.48	1707.91	0.59	1713.92	4.3	1719.25	0.59	1719.76	3.5	1713.19	1.2	1715.82	7.7	< 1710.00
09/30/17	0.19	< 1710.00	1.4	1713.86	3.2	1710.80	0.49	1707.88	0.59	1713.89	4.4	1719.27	0.59	1719.80	3.7	1713.60	1.2	1715.88	7.7	< 1710.00
Monthly Average	0.14	1714.40	1.4	1713.48	3.5	1710.48	0.49	1707.88	0.64	1712.87	4.3	1719.14	0.67	1719.31	3.7	1714.05	1.3	1714.94	7.6	< 1710.00
Analytical[1]	Conc (mg/L)	Date	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
Perchlorate	1,100	9/14/2017	700	9/13/2017	540	9/13/2017	1,600	9/14/2017	1,650	9/14/2017	800	9/12/2017	860	9/14/2017	820	9/13/2017	1,000	9/13/2017	440	9/12/2017
Hexavalent Chromium	18	9/14/2017	0.18	9/13/2017	0.66	9/13/2017	22	9/14/2017	21	9/14/2017	17	9/12/2017	17	9/14/2017	8.2	9/13/2017	0.28	9/13/2017	9.6	9/12/2017
Total Chromium	23	9/14/2017	0.20	9/13/2017	0.64	9/13/2017	23	9/14/2017	23	9/14/2017	16	9/12/2017	19	9/14/2017	8.3	9/13/2017	0.30	9/13/2017	9.1	9/12/2017

Notes:

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

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 or above the transducer.

3: On 09/05, 09/11, and 09/25, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 09/04, I-AR, I-AA, I-C, I-G, I-Q, I-S, I-U, and I-Y adjusted to meet flow target as directed by the Trust.

5: On 09/26, I-D, I-L, I-M, I-U, I-X, and I-Y adjusted to meet flow target as directed by the Trust.

7: On 09/24, I-G and I-Q adjusted to meet flow target as directed by the Trust.

9: From 09/14-09/16, I-Q offline.

10: On 09/15, transducer for I-Q failed and replacement instrument was requested from the manufacturer.

11: On 09/13, I-S transducer was lowered 5 feet due to it being above the water level previously. Previous water elevation measurements are suspect.

12: Duplicates taken on 09/14 for well I-U; average of both values is presented and used for calculation purposes.

13: On 09/12, I-X was 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	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 6] (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	Flow (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)
09/01/17	1,010	61				0.00				1,109		98				
09/02/17	1,008	67				0.00				1,099	88	97				
09/03/17	1,006	86				0.00				1,094		95				
09/04/17	1,008	84				0.00				1,095		97				
09/05/17[3]	1,006	84				0.00				1,090		94	190	11	0.045	0.032
09/06/17	999	84				0.00				1,107		92				
09/07/17	971	83	0.16	ND	700	0.00				1,109		88				
09/08/17	990	74				0.00				1,099		111				
09/09/17	1,005	80				0.00				1,085	98	112				
09/10/17	1,004	87				0.00				1,090		112				
09/11/17[3]	939	83				0.00				1,022		98		11	0.18	0.042
09/12/17	884	85				0.00				1,061		112				
09/13/17	896	87				0.00				1,108		119				
09/14/17	845	79	5.0	ND	720	0.00				1,021		110				
09/15/17	871	62				0.00				1,025		116				
09/16/17	866	61				0.00				1,024	110	103				
09/17/17	865	62				0.00				1,024		114				
09/18/17	890	60				0.00				1,046		117		12	0.062	0.042
09/19/17	818	65				0.00				1,015		100				
09/20/17	889	62				0.80	0.091	0.041	78	1,021		106				
09/21/17	976	73	0.15	ND	650	0.79				1,078		119				
09/22/17	948	85				0.00				1,050		115				
09/23/17	949	76				0.00				1,035	140	112				
09/24/17	950	81				0.00				1,116		113				
09/25/17[3]	1,060	84				0.00				1,233		101		10	0.042	0.030
09/26/17	950	85				0.00				1,065		121				
09/27/17	948	86				0.00				1,034		132				
09/28/17	946	75	0.11	ND	690	0.00				1,021		131				
09/29/17	947	62				0.00				1,047		120				
09/30/17	947	66				0.00				1,087	140	124				
Monthly Average[2]	946	76	1.15	ND	635	0.05	0.09	0.041	78	1,070	114	109	190	11	0.079	0.036

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).

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

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

3: On 09/05, 09/11, and 09/25 LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 09/19, LS #2 offline from 10:27 am to 11:58 am for maintenance.

5: On 09/20, the GW-11 Influent flow meter was repaired.

6: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 09/01 to 09/30 due to FBR plant influent strainers clogging, except for monthly sampling and flow meter repair.

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)
09/01/17	1,074	6.6	-311	1,033	6.5	-315	1,139		ND					0
09/02/17	1,051	6.6	-318	1,052	6.5	-338	1,129	ND	ND					1
09/03/17	955	6.6	-330	1,057	6.4	-338	1,099		ND					2
09/04/17	968	6.5	-338	1,023	6.5	-345	1,104		ND					2
09/05/17[3]	815	6.6	-338	1,012	6.5	-334	1,060		ND	ND	0.0075	ND	ND	30
09/06/17	970	6.5	-329	994	6.5	-303	1,111		ND					8
09/07/17	909	6.4	-320	973	6.4	-294	1,117		ND					61
09/08/17	900	6.1	-314	888	6.4	-292	1,121		ND					7
09/09/17	886	6.4	-315	1,038	6.4	-296	1,107	ND	ND					6
09/10/17	892	6.5	-322	1,022	6.4	-308	1,079		ND					5
09/11/17[3]	904	6.5	-331	1,014	6.4	-304	1,124		ND		0.0041 J	ND	ND	7
09/12/17	873	6.2	-345	1,052	6.3	-311	1,118		ND					14
09/13/17	955	6.1	-356	998	6.4	-314	1,082		ND					20
09/14/17	945	6.3	-361	1,000	6.4	-319	1,048		ND					21
09/15/17	894	6.6	-360	1,049	6.3	-315	1,034		ND					23
09/16/17	906	6.5	-359	1,033	6.4	-320	1,006	0.012	ND					12
09/17/17	916	6.7	-356	953	6.4	-322	1,059		ND					12
09/18/17	935	6.7	-350	1,020	6.3	-316	1,068		ND		0.0065	ND	ND	18
09/19/17	901	6.6	-354	911	6.3	-319	1,059		ND					18
09/20/17	945	6.7	-355	1,065	6.3	-321	1,087		ND					13
09/21/17	924	6.7	-356	1,093	6.4	-323	1,072		ND					28
09/22/17	923	6.6	-353	1,015	6.3	-319	1,069		ND					3
09/23/17	875	6.2	-350	1,078	6.3	-319	1,027	ND	ND					5
09/24/17	952	6.3	-358	1,038	6.3	-319	1,140		ND					9
09/25/17[3]	943	6.5	-357	1,050	6.3	-314	1,136		ND		0.0065	ND	ND	15
09/26/17	857	6.3	-345	937	6.2	-306	1,081		ND					18
09/27/17	844	6.6	-302	897	6.6	-313	1,054		ND					15
09/28/17	876	6.6	-290	1,054	6.8	-320	968		ND					9
09/29/17	923	6.8	-313	829	6.7	-325	1,095		ND					10
09/30/17	925	6.8	-322	998	6.7	-326	1,124	ND	ND					9
Monthly Average[2]	921	6.5	-337	1006	6.4	-317	1084	0.0027	ND	ND	0.0062	ND	ND	13

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 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)
09/14/17	28.6	38.5
09/28/17	30.2	36.4

GW-11 Leak Detection Monitoring				
Date	Amount Pumped[1] (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
09/16/17	0	1,415	0	68
09/30/17	0	1,830	0	0

GW-11 Composite Sample[2]		
Analytes	Concentration	Units
Perchlorate	18	mg/L
Chlorate	19	mg/L
Ammonia as N	0.52	mg/L
Total Phosphorus	ND	mg/L
Total Dissolved Solids (TDS)	8,800	mg/L
Total Suspended Solids (TSS)	36	mg/L
pH	8.5 HF	s.u.
Calcium	450	mg/L
Iron	0.34	mg/L
Chromium (total)	0.025	mg/L
Chromium VI	0.00037 J	mg/L
Chloride	2,800	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,300	mg/L

Notes:

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

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

HF= Field parameter with a holding time of 15 minutes. Test performed by laboratory at the direction of the Trust.

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

2: Corner Composite Sample collected quarterly, most recent sampling results presented. Sampled on: August 3, 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 [3] (mg/L)	NO_3 as N (mg/L)	ClO_3 (mg/L)		
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
Aug 2017	1,072	124	9.8	170	773	746
Sep 2017	1,070	114	11	190	806	768

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 as N + 0.17*ClO_3 + 0.18*ClO_4)*Flow*1440/1000000*8.34].

3: 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.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																
Date	E1-1				E1-2				E1-3				E2-1			
	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[1] (mg/L)	ClO_4 [1] (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[1,4] (mg/L)	ClO_4 [1,4] (mg/L)	Flow[5] (gpm)	Water Elevation (ft amsl)	Cr (VI)[1,6] (mg/L)	ClO_4 [1,6] (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[1,7] (mg/L)	ClO_4[1,7] (mg/L)
09/01/17	1.4	1725.64			1.5	1719.86			0.96	1712.92			2.0	1722.82		
09/02/17	*1.4*				*1.5*				*0.96*				*2.0*			
09/03/17	*1.4*				*1.5*				*0.96*				*2.0*			
09/04/17	*1.4*				*1.5*				*0.96*				*2.0*			
09/05/17	1.0	1724.84	0.024	420	1.5	1715.99	0.031	1,300	1.0	1712.41	0.075	700	1.8	1717.61		
09/06/17	1.1	1726.11			1.4	1716.75			0.93	1712.29			1.7	1721.45		
09/07/17	1.3	1725.13			1.7	1716.37			1.2	1711.30			2.2	1722.20		
09/08/17	0.98	1725.11			1.3	1716.50			0.91	1711.30			1.7	1726.93		
09/09/17	*0.98*				*1.3*				*0.91*				*1.7*			
09/10/17	*0.98*				*1.3*				*0.91*				*1.7*			
09/11/17	1.1	1725.12	0.023	450	1.4	1716.93	0.030	1,500	1.0	1712.51	0.077	860	1.9	1715.83	0.033	280
09/12/17	1.0	1725.12			1.4	1715.89			0.88	1712.67			1.8	1717.01		
09/13/17	0.97	1725.09			1.4	1716.38			0.86	1716.79			1.8	1716.43		
09/14/17	1.3	1725.19			1.6	1717.01			0.96	1717.19			1.9	1716.44		
09/15/17[3]	1.1	1724.75			1.3	1715.29			0.85	1716.75			1.6	1719.21		
09/16/17	*1.1*				*1.3*				*0.85*				*1.6*			
09/17/17	*1.1*				*1.3*				*0.85*				*1.6*			
09/18/17	1.1	1725.01	0.024	450	1.3	1717.35	0.030	1,500	0.85	1717.72	0.067	790	1.4	1719.49	0.027	290
09/19/17	1.2	1724.99			1.6	1717.03			0.96	1718.23			1.9	1724.74		
09/20/17	1.1	1724.81			1.4	1714.11			0.82	1717.52			1.7	1717.74		
09/21/17	1.1	1724.89			1.6	1715.24			1.0	1715.86			1.9	1716.52		
09/22/17	0.96	1724.82			1.3	1714.08			0.86	1715.02			1.7	1716.50		
09/23/17	*0.96*				*1.3*				*0.86*				*1.7*			
09/24/17	*0.96*				*1.3*				*0.86*				*1.7*			
09/25/17	1.1	1724.95	0.025	420	1.5	1716.43	0.034	1,400	1.0	1716.22	0.076	790	1.5	1715.41	0.029	260
09/26/17	0.93	1724.84			1.3	1713.73			0.86	1715.67			1.5	1720.64		
09/27/17	1.0	1724.83			1.5	1713.24			0.94	1715.72			1.7	1719.64		
09/28/17	1.1	1724.76			1.5	1712.72			0.98	1715.40			1.8	1716.58		
09/29/17	0.99	1724.62			1.4	1711.18			0.87	1714.46			1.6	1716.47		
09/30/17	*0.99*				*1.4*				*0.87*				*1.6*			
Monthly Average[2]	1.1	1725.03	0.024	434	1.4	1715.61	0.031	1,421	0.92	1714.90	0.074	784	1.8	1718.98	0.031	277

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: On 09/15, extraction system was shut down briefly due maintenance performed at the Chromium Treatment System.

4: Duplicates taken on 09/25 for well E1-2; average of both values is presented for calculation purposes.

5: On 09/12, pump protector for E1-3 pump tripped due to low water level. Pump was restarted with slightly lower pumping rate.

6: Duplicates were taken on 09/11 for well E1-3; average of both values is presented for calculation purposes.

7: The sample for E2-1 collected on 09/05 could not be analyzed because the sample container broke in the custody of the lab courier before arriving to the lab.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																
Date	E2-2				E2-3				E2-4				E2-5			
	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 8] (mg/L)	ClO_4[1 8] (mg/L)	Flow[9] (gpm)	Water Elevation (ft amsl)	Cr (VI)[1] (mg/L)	ClO_4[1] (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[1 10] (mg/L)	ClO_4[1 10] (mg/L)
09/01/17	2.3	1723.77			2.4	1723.98			0.0	1731.19			0.91	1721.02		
09/02/17	*2.3*				*2.4*				0.0				*0.91*			
09/03/17	*2.3*				*2.4*				0.0				*0.91*			
09/04/17	*2.3*				*2.4*				0.0				*0.91*			
09/05/17	2.4	1720.81	0.036	530	2.3	1722.22	0.032	870	0.0	1730.89			0.61	1719.58	0.028	1,650
09/06/17	2.4	1718.96			2.5	1722.32			0.0	1730.90			0.80	1725.99		
09/07/17	2.9	1718.31			3.0	1720.26			0.0	1730.80			1.0	1720.15		
09/08/17	2.0	1724.71			2.1	1722.45			0.0	1727.86			0.80	1725.84		
09/09/17	*2.0*				*2.1*				*1.9*				*0.80*			
09/10/17	*2.0*				*2.1*				*1.9*				*0.80*			
09/11/17	1.9	1718.06	0.031	560	2.5	1717.70	0.029	910	1.7	1725.09	0.025	960	0.83	1715.09	0.029	2,000
09/12/17	1.9	1721.56			2.4	1717.76			1.9	1726.09			0.84	1719.11		
09/13/17	1.8	1720.98			2.3	1717.35			1.9	1723.59			0.83	1714.70		
09/14/17	2.0	1721.26			2.5	1717.63			2.3	1723.54			0.90	1713.78		
09/15/17[3]	1.5	1721.13			2.3	1717.89			1.7	1722.36			0.79	1714.93		
09/16/17	*1.5*				*2.3*				*1.7*				*0.79*			
09/17/17	*1.5*				*2.3*				*1.7*				*0.79*			
09/18/17	2.0	1721.16	0.024	400	2.0	1718.30	0.025	850	1.8	1724.71	0.026	960	0.73	1715.99	0.031	1,700
09/19/17	2.3	1720.45			2.6	1720.54			2.4	1724.26			0.84	1717.90		
09/20/17	2.0	1718.18			2.2	1717.02			2.0	1721.29			0.77	1716.87		
09/21/17	2.3	1718.38			2.4	1717.13			2.3	1722.30			0.86	1715.90		
09/22/17	2.0	1716.86			2.0	1716.99			2.0	1721.30			0.74	1714.93		
09/23/17	*2.0*				*2.0*				*2.0*				*0.74*			
09/24/17	*2.0*				*2.0*				*2.0*				*0.74*			
09/25/17	2.1	1716.68	0.026	540	1.6	1718.25	0.023	830	2.1	1720.65	0.028	1,100	0.75	1715.81	0.034	2,100
09/26/17	1.9	1718.96			1.9	1723.52			2.2	1722.45			0.79	1718.19		
09/27/17	2.0	1717.11			2.2	1719.46			2.4	1718.10			0.85	1713.84		
09/28/17	2.2	1717.95			2.2	1717.75			2.4	1717.77			0.87	1713.72		
09/29/17	1.9	1716.14			2.0	1717.25			2.2	1718.63			0.79	1712.97		
09/30/17	*1.9*				*2.0*				*2.2*				*0.79*			
Monthly Average[2]	2.0	1719.57	0.029	512	2.2	1719.29	0.027	864	1.5	1724.19	0.027	1,021	0.82	1717.31	0.031	1,874

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.

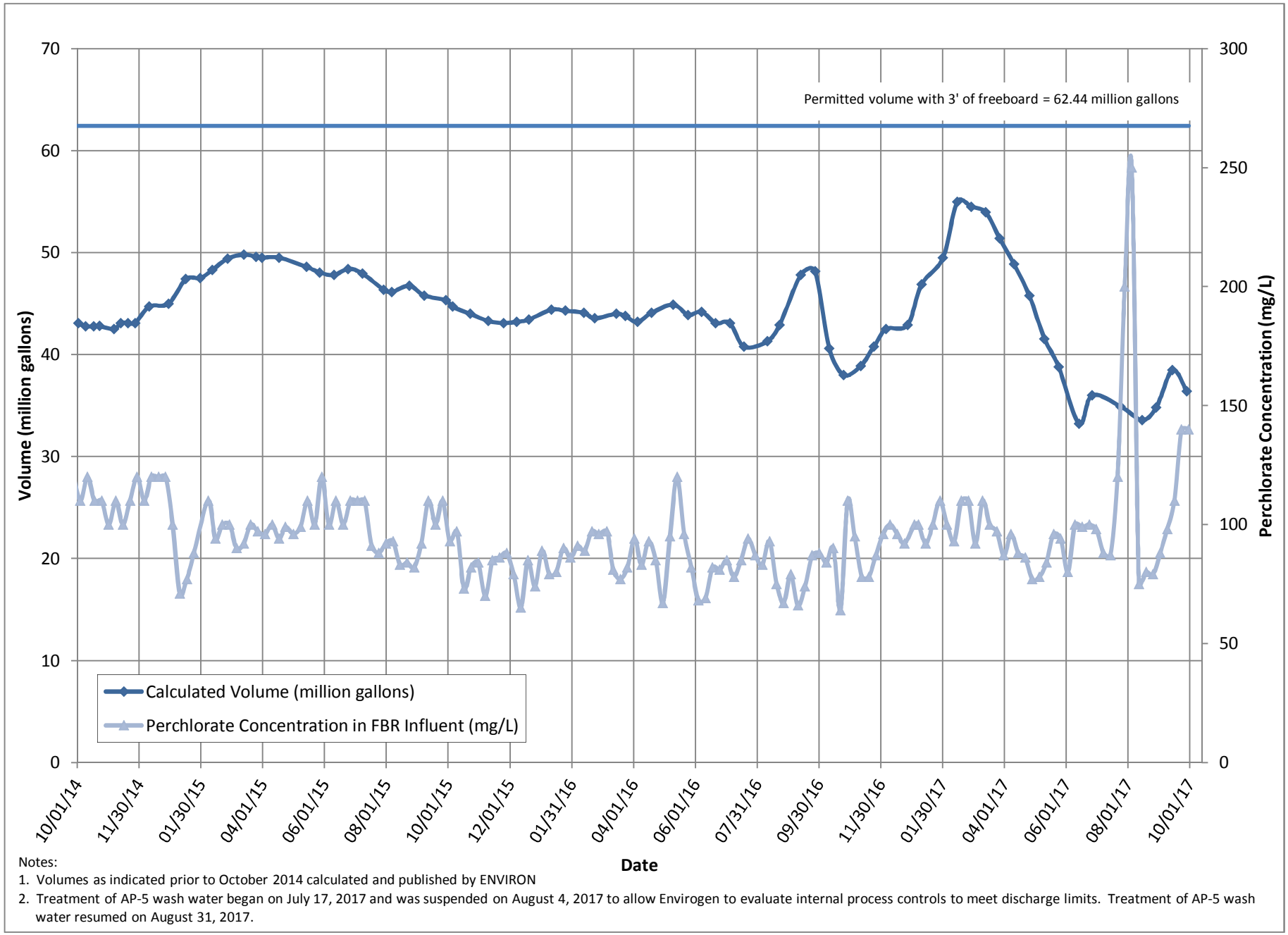
3: On 09/15, extraction system was shut down briefly due maintenance performed at the Chromium Treatment System.

8: Duplicates were taken on 09/18 for well E2-3; average of both values is presented for calculation purposes.

9: E2-4 shut down on 08/30 due to a malfunctioning flow meter and was restarted on 09/09 after flow meter was replaced.

10: Duplicates were taken on 09/05 for well E2-5; average of both values is presented for calculation purposes.

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

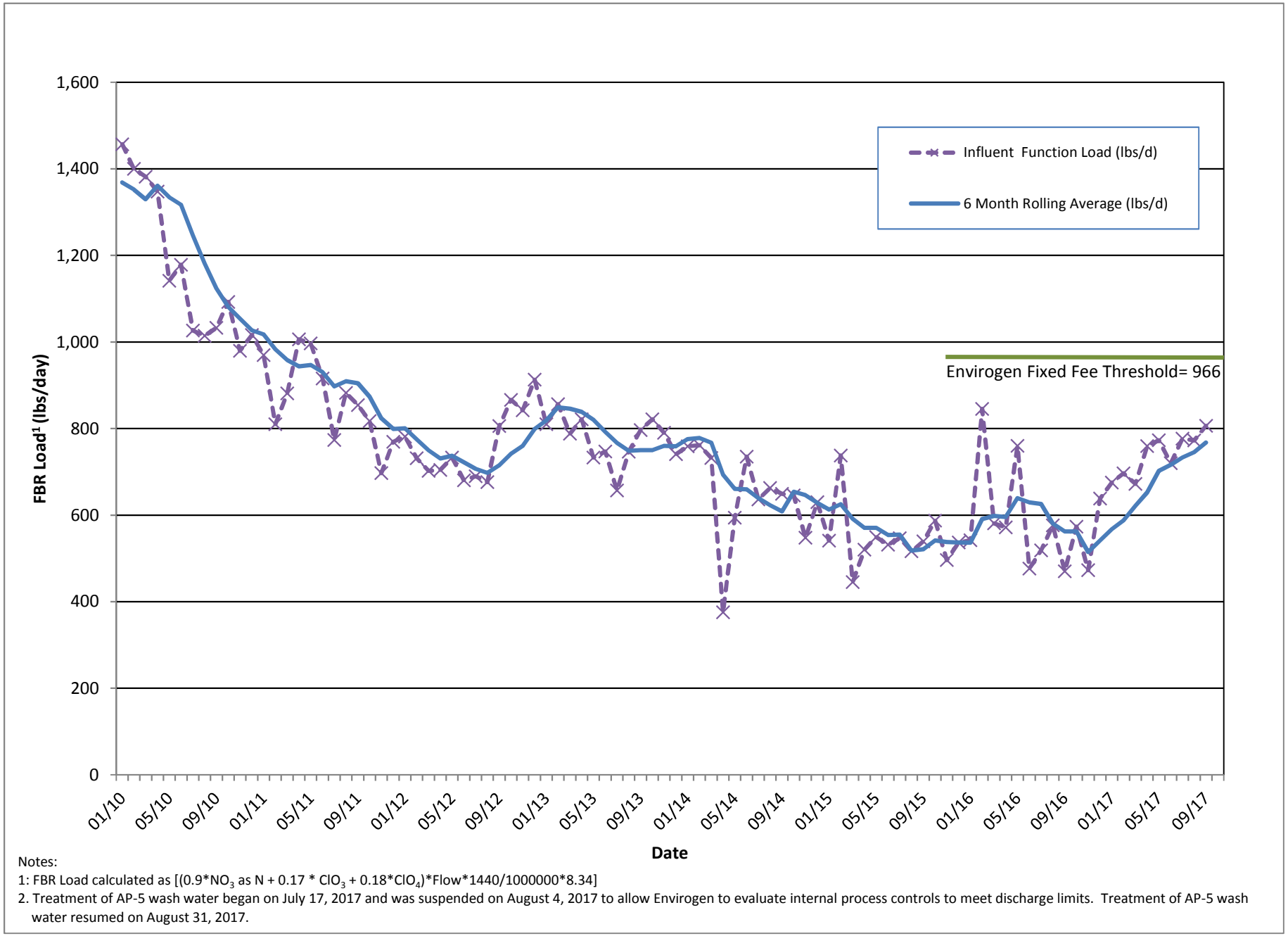


Notes:

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 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.

Updated: 10/18/2017

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 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.

Updated:10/18/2017