Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																			
Date	LS #1 Flow[3] (gpm)	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)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
11/01/17	645	169	1536.37	86	1541.34	130	1541.20	116	1536.11	64	1545.36	101	1546.57	51	1547.78	20	1548.73	9.8	1520.48
11/02/17	633	168	1536.44	85	1541.43	129	1541.25	115	1536.15	63	1545.41	101	1546.63	51	1547.84	20	1548.78	9.7	1520.93
11/03/17	657	166	1536.48	85	1541.37	128	1541.32	115	1536.20	62	1545.48	101	1546.70	50	1547.91	20	1548.86	10	1520.63
11/04/17	644	168	1536.51	85	1541.34	129	1541.40	115	1536.26	63	1545.56	101	1546.77	51	1547.99	20	1548.93	9.0	1521.28
11/05/17	672	168	1536.60	80	1541.52	129	1541.47	115	1536.32	62	1545.64	101	1546.85	51	1548.07	20	1549.01	8.7	1521.62
11/06/17[2]	561	168	1536.60	88	1541.39	129	1541.56	116	1536.37	63	1545.69	101	1546.92	51	1548.13	20	1549.08	10	1521.47
11/07/17	647	168	1536.62	86	1541.35	130	1541.61	116	1536.40	63	1545.75	102	1546.97	51	1548.19	20	1549.13	9.7	1521.60
11/08/17	646	165	1536.74	85	1541.51	127	1541.66	113	1536.45	61	1545.82	100	1547.03	50	1548.25	20	1549.20	9.6	1521.54
11/09/17	645	168	1536.75	86	1541.27	129	1541.71	116	1536.50	62	1545.86	101	1547.08	51	1548.30	20	1549.24	9.7	1521.66
11/10/17	647	169	1536.77	87	1541.39	130	1541.74	116	1536.53	63	1545.90	102	1547.12	51	1548.34	21	1549.28	10	1521.63
11/11/17	647	167	1536.78	86	1541.43	129	1541.76	115	1536.55	61	1545.93	101	1547.14	50	1548.36	20	1549.31	9.7	1521.53
11/12/17	648	170	1536.81	88	1541.88	131	1541.79	116	1536.58	63	1545.95	102	1547.17	51	1548.39	20	1549.34	9.8	1521.56
11/13/17[2]	618	168	1536.91	85	1541.45	130	1541.85	115	1536.79	62	1545.99	101	1547.21	51	1548.44	20	1549.38	10	1521.97
11/14/17	650	168	1536.91	88	1541.30	129	1541.86	116	1536.76	63	1546.03	101	1547.23	51	1548.46	21	1549.39	9.7	1521.96
11/15/17	650	170	1536.94	88	1541.66	131	1541.89	117	1536.77	63	1546.06	103	1547.27	51	1548.50	20	1549.43	10	1522.02
11/16/17	649	168	1536.97	87	1541.84	130	1541.93	116	1536.79	62	1546.10	101	1547.31	51	1548.54	21	1549.48	10	1521.95
11/17/17	647	169	1536.98	88	1541.74	131	1541.95	117	1536.79	63	1546.13	102	1547.34	51	1548.58	20	1549.52	9.8	1522.01
11/18/17	647	167	1537.00	87	1541.66	129	1542.03	115	1536.84	62	1546.20	102	1547.42	51	1548.66	21	1549.59	9.7	1522.13
11/19/17	646	169	1537.04	88	1541.67	130	1542.10	116	1536.90	63	1546.29	102	1547.50	51	1548.74	20	1549.68	10	1522.17
11/20/17[2]	558	169	1537.10	93	1541.67	130	1542.18	116	1536.95	62	1546.37	102	1547.58	51	1548.82	21	1549.76	9.9	1522.16
11/21/17	648	169	1537.20	88	1541.85	130	1542.26	116	1537.01	63	1546.45	102	1547.67	51	1548.91	21	1549.86	9.8	1522.29
11/22/17	649	169	1537.29	88	1541.76	130	1542.35	116	1537.07	62	1546.55	102	1547.77	51	1549.01	21	1549.95	9.7	1522.30
11/23/17	648	171	1537.36	89	1541.99	132	1542.45	118	1537.16	64	1546.65	103	1547.87	51	1549.12	20	1550.06	10	1522.49
11/24/17	650	164	1537.45	86	1541.78	126	1542.52	113	1537.22	60	1546.72	99	1547.95	49	1549.19	20	1550.14	9.9	1522.53
11/25/17	648	168	1537.50	89	1541.94	129	1542.59	115	1537.27	62	1546.80	102	1548.03	51	1549.27	21	1550.22	10	1522.58
11/26/17	557	170	1537.54	90	1542.00	132	1542.67	117	1537.35	63	1546.88	103	1548.10	51	1549.35	20	1550.30	9.8	1522.67
11/27/17[2]	617	168	1537.81	86	1542.14	130	1542.77	116	1537.60	62	1546.95	102	1548.16	51	1549.41	21	1550.35	10	1522.64
11/28/17	654	169	1537.73	89	1541.87	130	1542.78	115	1537.58	63	1546.98	102	1548.19	51	1549.44	20	1550.39	9.7	1522.96
11/29/17	652	166	1537.52	88	1542.26	129	1542.80	115	1537.59	61	1547.01	100	1548.22	50	1549.47	21	1550.42	10	1522.86
11/30/17	653	170	1537.30	90	1542.12	131	1542.82	117	1537.60	62	1547.04	103	1548.25	52	1549.50	21	1550.45	9.8	1522.97
Monthly Average	638	168	1537.00	87	1541.66	130	1542.01	116	1536.82	62	1546.19	101	1547.40	51	1548.63	20	1549.58	9.9	1521.95
Analytical[1]		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[4] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		17	11/1/2017	20	11/1/2017	10	11/1/2017	9.1	11/1/2017	4.3	11/1/2017	0.43	11/1/2017	0.11	11/1/2017	0.25	11/1/2017	2.8	11/1/2017
Hexavalent Chromium		0.0014	11/1/2017	ND	11/1/2017	ND	11/1/2017	0.0018	11/1/2017	ND	11/1/2017	ND	11/1/2017	ND	11/1/2017	ND	11/1/2017	ND	11/1/2017
Total Chromium		ND	11/1/2017	ND	11/1/2017	ND	11/1/2017	ND	11/1/2017	ND	11/1/2017	ND	11/1/2017	ND	11/1/2017	ND	11/1/2017	ND	11/1/2017

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: On 11/06, 11/13, 11/20, and 11/27, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

3: On 11/27, LS #1 offline briefly due to turbine overheating at LS #2.

4: Duplicates taken on 11/01 for well PC-117; average of both values is presented and used for calculation.

Table Updated: 12/19/2017

Table 2 - Athens Well Field (AWF) Operational Metrics

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																	
Date	LS #3 Flow[3] (gpm)	ART-1/1A Flow (gpm)	ART-1/1A Water Elevation (ft amsl)	ART-2/2A Flow[5] (gpm)	ART-2/2A Water Elevation (ft amsl)	ART-3/3A Flow (gpm)	ART-3/3A Water Elevation (ft amsl)	ART-4/4A Flow[6] (gpm)	ART-4/4A Water Elevation (ft amsl)	ART-9 Flow (gpm)	ART-9 Water Elevation (ft amsl)	ART-7A/7B Flow (gpm)	ART-7A/7B Water Elevation (ft amsl)	ART-8/8A Flow (gpm)	ART-8/8A Water Elevation (ft amsl)	PC-150 Flow[7] (gpm)	PC-150 Water Elevation (ft amsl)
11/01/17	400	42	1582.43	150	1581.41	17	1581.68	2.5	1579.12	57	1577.05	16	1583.77	176	1582.17	1.5	1576.67
11/02/17	392	42	1582.43	150	1581.41	17	1581.68	1.3	1579.13	56	1577.94	16	1583.77	176	1582.17	1.5	1576.67
11/03/17	407	41	1582.43	150	1581.41	17	1581.68	2.1	1579.12	57	1576.80	16	1583.77	176	1582.17	1.5	1576.67
11/04/17	400	42	1582.44	150	1581.42	17	1581.69	2.2	1579.12	56	1576.96	17	1583.77	176	1582.18	1.5	1576.67
11/05/17	417	43	1582.45	156	1581.44	17	1581.71	3.5	1579.12	59	1580.08	17	1583.77	183	1582.19	1.5	1576.67
11/06/17[2]	418	42	1582.47	152	1581.45	18	1581.72	5.8	1579.13	54	1576.85	12	1583.77	180	1582.21	1.5	1576.67
11/07/17	400	41	1582.49	150	1581.47	17	1581.73	2.1	1579.12	57	1578.17	16	1583.79	177	1582.23	1.5	1576.67
11/08/17	401	42	1582.51	150	1581.49	16	1581.75	2.0	1579.12	57	1577.09	16	1583.81	176	1582.25	1.5	1576.67
11/09/17	401	42	1582.52	150	1581.51	17	1581.76	0.60	1579.12	58	1577.30	17	1583.81	176	1582.26	1.5	1576.67
11/10/17	401	42	1582.54	151	1581.52	17	1581.77	3.5	1579.12	57	1577.59	15	1583.84	176	1582.27	1.5	1576.67
11/11/17	402	41	1582.55	150	1581.53	17	1581.78	0.69	1579.12	58	1576.94	17	1583.85	175	1582.28	1.5	1576.67
11/12/17	401	41	1582.56	150	1581.55	17	1581.79	1.5	1579.12	58	1580.39	15	1583.84	176	1582.30	1.5	1576.67
11/13/17[2]	398	41	1582.58	147	1581.56	20	1581.81	1.0	1579.13	53	1576.95	20	1583.84	179	1582.31	1.5	1576.67
11/14/17	402	41	1582.59	149	1581.57	17	1581.81	0.10	1582.09	58	1577.09	16	1583.87	177	1582.32	1.5	1576.67
11/15/17	401	42	1582.60	150	1581.58	17	1581.82	1.8	1579.12	58	1577.33	16	1583.87	177	1582.33	1.5	1576.66
11/16/17	402	42	1582.60	149	1581.59	17	1581.82	1.4	1579.12	59	1577.89	16	1583.85	175	1582.32	1.5	1576.67
11/17/17	403	41	1582.60	149	1581.59	17	1581.82	3.5	1579.13	59	1579.70	16	1583.87	177	1582.33	1.5	1576.67
11/18/17	403	42	1582.62	149	1581.60	17	1581.83	3.5	1579.13	60	1577.22	16	1583.87	176	1582.33	1.5	1576.66
11/19/17	403	41	1582.63	148	1581.62	17	1581.84	2.8	1579.12	59	1576.83	16	1583.87	175	1582.35	1.5	1576.66
11/20/17[2]	420	41	1582.66	152	1581.65	19	1581.86	3.6	1579.12	57	1577.80	17	1583.90	179	1582.38	1.5	1576.67
11/21/17	403	41	1582.69	149	1581.68	17	1581.89	2.1	1579.12	59	1577.15	16	1583.90	177	1582.41	1.5	1576.67
11/22/17	405	41	1582.73	150	1581.71	17	1581.91	1.2	1579.12	60	1578.18	16	1583.92	176	1582.44	1.5	1576.67
11/23/17	404	41	1582.77	150	1581.75	18	1581.95	0.80	1579.12	60	1577.15	16	1583.95	177	1582.47	1.5	1576.67
11/24/17	406	42	1582.80	150	1581.79	18	1581.97	1.2	1579.12	60	1580.95	16	1583.98	176	1582.51	1.5	1576.67
11/25/17	406	42	1582.84	149	1581.83	18	1582.00	1.3	1579.12	61	1576.98	16	1584.01	176	1582.54	1.5	1576.67
11/26/17	433	41	1582.88	151	1581.86	21	1582.03	1.9	1579.13	69	1577.25	18	1584.02	174	1582.57	1.5	1576.67
11/27/17[2]	344	41	1583.21	70	1582.42	17	1582.18	2.9	1579.12	68	1578.33	18	1584.05	179	1582.85	1.5	1576.67
11/28/17	397	42	1583.03	133	1582.01	19	1582.14	1.1	1579.12	63	1577.46	16	1584.05	176	1582.70	1.5	1576.67
11/29/17	410	41	1583.02	150	1582.00	19	1582.13	1.5	1579.12	63	1576.88	16	1584.08	176	1582.69	1.5	1576.67
11/30/17	410	41	1583.03	150	1582.01	19	1582.14	1.7	1579.12	63	1579.47	16	1584.08	176	1582.70	1.5	1576.67
Monthly Average	403	41	1582.66	147	1581.65	18	1581.86	2.0	1579.22	59	1577.79	16	1583.88	177	1582.37	1.5	1576.67
Analytical[1]		Conc[4] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		26	11/2/2017	20	11/2/2017	220	11/2/2017	150	11/2/2017	220	11/2/2017	140	11/2/2017	110	11/2/2017	100	11/2/2017
Hexavalent Chromium		ND	11/2/2017	0.010	11/2/2017	0.37	11/2/2017	0.17	11/2/2017	0.69	11/2/2017	0.63	11/2/2017	0.12	11/2/2017	0.069	11/2/2017
Total Chromium		ND	11/2/2017	0.011	11/2/2017	0.33	11/2/2017	0.16	11/2/2017	0.64	11/2/2017	0.60	11/2/2017	0.12	11/2/2017	0.065	11/2/2017

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 11/06, 11/13, 11/20, and 11/27, 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 11/27, LS #3 offline briefly due to turbine overheating at LS #2.

4: Duplicates taken on 10/02 for well ART-1A; average of both values is presented and used for calculation.

5: On 11/27, ART-2 offline at 10:27 pm; ART-2A remained online. ART-2 back online on 11/28 at 6:27 am.

6: On 11/14, flow switched from ART-4 to ART-4A at 2:19 pm. Flow switched back to ART-4 on 11/15 at 7:46 am.

7: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 11/01-11/30 flows and used for calculation purposes. Flow was steady throughout November but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Table Updated: 12/19/2017

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 (gpm)	Water Elevation (ft amsl)	Flow[5] (gpm)	Water Elevation[2 6] (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[7 8] (gpm)	Water Elevation[2 9] (ft amsl)	Flow[7 8 10] (gpm)	Water Elevation (ft amsl)	Flow[10] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
11/01/17	0.18	1724.74	1.2	1709.02	0.00	1720.31	0.00	1724.10	0.00	1725.06	0.43	1715.26	3.9	1716.80	1.8	1706.22	1.3	1708.27	4.4	1712.84
11/02/17	0.18	1724.76	1.1	1709.02	0.00	1720.21	0.00	1724.07	0.00	1725.05	0.45	1714.67	3.9	1716.78	1.8	1706.18	1.3	1708.43	4.3	1712.52
11/03/17	0.21	1724.33	1.1	1709.09	0.00	1720.23	0.00	1724.08	0.00	1725.05	0.35	1717.33	3.9	1716.85	1.8	1706.20	1.3	1708.34	4.3	1712.45
11/04/17	0.20	1724.63	1.2	1709.43	0.00	1720.25	0.00	1724.09	0.00	1725.05	0.30	1718.45	3.9	1717.21	1.8	1706.21	1.3	1708.45	4.4	1712.64
11/05/17	0.20	1724.81	1.2	1709.43	0.00	1720.25	0.00	1724.08	0.00	1725.05	0.29	1718.32	4.1	1717.36	1.9	1706.21	1.4	1708.41	4.6	1712.79
11/06/17[3]	0.18	1725.18	1.1	1709.77	0.00	1720.25	0.00	1724.06	0.00	1725.04	0.27	1718.34	3.7	1718.05	1.9	1706.21	2.0	1708.25	4.4	1712.86
11/07/17	0.17	1725.39	1.1	1710.15	0.00	1720.26	0.02	1724.02	0.02	1725.02	0.28	1718.51	3.9	1718.63	1.8	1706.20	1.3	1708.45	4.4	1712.92
11/08/17	0.16	1724.93	1.1	1710.73	0.02	1720.28	0.00	1724.11	0.00	1725.03	0.26	1718.85	3.9	1719.09	1.9	1706.21	1.3	1708.27	4.4	1712.84
11/09/17	0.23	1724.21	1.2	1708.08	0.00	1720.14	0.00	1724.13	0.00	1725.04	0.49	1712.72	3.9	1725.93	1.9	1706.21	1.3	1708.37	4.3	1712.54
11/10/17	0.21	1724.44	1.2	1708.45	0.00	1720.11	0.00	1724.12	0.00	1725.04	0.51	1712.64	3.9	1726.54	1.8	1706.21	1.3	1708.35	4.3	1712.44
11/11/17	0.20	1724.73	1.2	1713.12	0.00	1720.13	0.00	1724.09	0.00	1725.03	0.52	1711.90	3.9	1728.00	1.9	1706.21	1.3	1708.38	4.4	1712.34
11/12/17	0.19	1724.92	1.2	1712.64	0.00	1720.07	0.00	1724.09	0.00	1725.02	0.52	1711.94	3.9	1729.36	1.9	1706.20	1.3	1708.35	4.5	1712.54
11/13/17[3]	0.18	1725.13	1.2	1708.70	0.00	1720.07	0.00	1724.09	0.00	1725.02	0.49	1712.54	3.8	1735.26	1.8	1706.22	1.1	1708.24	4.4	1712.57
11/14/17	0.17	1725.19	1.2	1708.81	0.00	1720.06	0.00	1724.09	0.00	1725.02	0.51	1712.14	3.9	1737.11	1.8	1706.33	1.3	1708.37	4.4	1712.65
11/15/17	0.16	1725.16	1.1	1709.09	0.00	1720.05	0.00	1724.10	0.00	1725.03	0.51	1712.67	3.9	< 1707.82	1.8	1706.20	1.3	1708.41	4.4	1712.46
11/16/17	0.27	1720.94	1.1	1709.60	0.00	1720.05	0.00	1724.13	0.00	1725.04	0.50	1712.71	3.8	< 1707.84	1.8	1706.65	1.3	1708.28	4.3	1712.42
11/17/17	0.38	1721.00	1.1	1709.25	0.00	1720.02	0.00	1724.04	0.00	1725.01	0.50	1712.85	3.7	< 1707.80	1.8	1706.23	1.3	1708.40	4.3	1712.30
11/18/17	0.36	1722.21	1.1	1708.89	0.00	1719.98	0.00	1724.05	0.00	1725.01	0.49	1712.35	3.8	< 1707.78	1.7	1706.22	1.3	1708.26	4.4	1712.21
11/19/17	0.32	1723.01	1.2	1709.16	0.00	1719.95	0.00	1724.07	0.00	1725.01	0.49	1712.81	3.8	< 1707.74	1.7	1706.22	1.3	1708.25	4.5	1712.21
11/20/17[3]	0.27	1723.70	1.1	1708.55	0.00	1719.96	0.00	1724.06	0.00	1725.01	0.46	1713.07	3.3	1712.08	1.6	1706.22	1.3	1708.50	4.4	1712.25
11/21/17	0.26	1723.73	1.1	1709.10	0.00	1719.97	0.00	1724.05	0.00	1725.01	0.49	1712.38	3.3	1712.98	1.7	1706.23	1.3	1708.24	4.4	1712.27
11/22/17	0.24	1723.94	1.1	1709.08	0.00	1719.97	0.00	1724.06	0.00	1725.01	0.49	1712.52	3.3	1712.92	1.7	1706.23	1.3	1708.29	4.4	1712.28
11/23/17	0.22	1724.23	1.1	1709.02	0.00	1719.97	0.00	1724.09	0.00	1725.03	0.49	1712.70	3.2	1711.59	1.7	1706.23	1.3	1708.30	4.3	1712.28
11/24/17	0.22	1724.30	1.1	1708.96	0.00	1719.96	0.00	1724.08	0.00	1725.02	0.48	1712.97	3.4	1710.25	1.7	1706.23	1.3	1708.41	4.3	1712.16
11/25/17	0.21	1724.49	1.1	1708.89	0.00	1719.92	0.00	1724.06	0.00	1725.02	0.48	1712.56	3.8	1712.06	1.7	1706.23	1.3	1708.24	4.4	1712.04
11/26/17[4]	0.21	1724.48	1.2	< 1707.37	0.00	1719.90	0.00	1724.09	0.00	1725.03	0.47	1712.69	3.7	< 1709.95	1.7	1706.24	1.3	1708.37	4.5	1711.97
11/27/17[3]	0.10	1725.69	0.26	1710.63	0.00	1720.16	0.00	1724.05	0.00	1725.03	0.23	1718.30	1.5	1712.58	2.1	1706.23	0.88	1708.46	4.4	1712.06
11/28/17	0.18	1724.58	1.0	1719.43	0.00	1720.13	0.00	1724.04	0.00	1725.02	0.27	1716.14	2.6	1714.93	1.8	1706.39	1.3	1708.45	4.4	1711.94
11/29/17	0.22	1724.41	1.0	1718.46	0.00	1720.02	0.00	1724.03	0.00	1725.01	0.35	1715.81	3.4	1714.42	1.7	1706.37	1.3	1708.46	4.3	1711.94
11/30/17	0.21	1724.63	1.1	1714.39	0.00	1719.99	0.00	1724.04	0.00	1725.02	0.35	1716.10	3.2	1713.55	1.7	1706.76	1.3	1708.49	4.3	1711.94
Monthly Average	0.22	1724.26	1.1	1710.21	0.00	1720.09	0.00	1724.08	0.00	1725.03	0.42	1714.41	3.6	1716.64	1.8	1706.26	1.3	1708.36	4.4	1712.39
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	2,000	11/8/2017	75	11/8/2017	200	11/8/2017	290	11/7/2017	180	11/7/2017	280	11/8/2017	770	11/8/2017	680	11/8/2017	570	11/8/2017	890	11/8/2017
Hexavalent Chromium	0.066	11/8/2017	0.057	11/8/2017	ND	11/8/2017	2.2	11/7/2017	1.1	11/7/2017	0.034	11/8/2017	2.0	11/8/2017	5.0	11/8/2017	6.2	11/8/2017	12	11/8/2017
Total Chromium	0.21	11/8/2017	0.057	11/8/2017	0.016	11/8/2017	2.1	11/7/2017	1.2	11/7/2017	0.035	11/8/2017	2.1	11/8/2017	5.4	11/8/2017	6.6	11/8/2017	13	11/8/2017

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. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below or above the transducer.
3: On 11/06, 11/13, 11/20, and 11/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
4: From 11/26 to 11/27, IWF offline intermittently due to turbine overheating at LS #2.
5: On 11/27, I-AA, I-B, and I-L offline intermittently due to instrument error.
6: On 11/06, it was confirmed the I-AA transducer had failed. Previous water elevation measurements are suspect. Manual water level measurements will be taken going forward and started on 11/06.
7: On 11/27, I-C and I-D flows were decreased to prevent high water level at the GWTP influent tank.
8: On 11/28, I-C and I-D were adjusted to meet flow target as directed by the Trust.
9: On 11/16, it was confirmed the I-C transducer had failed. Previous water elevation measurements are suspect. Manual water level measurements will be taken going forward and were started on 11/15.
10: On 11/13, I-D, I-E, I-M, and I-X adjusted to meet flow target as directed by the Trust.

Table Updated: 12/19/2017

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[11 12 13] (gpm)	Water Elevation[14] (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[5] (gpm)	Water Elevation (ft amsl)	Flow[10 16] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
11/01/17	0.12	1716.85	1.3	1718.09	4.9	1721.76	6.5	1707.03	3.1	1715.12	1.4	1713.47	1.5	1719.20	4.3	1713.36	0.75	1721.35	2.0	1720.39
11/02/17	0.11	1717.00	1.3	1718.14	4.9	1721.75	6.4	1707.02	3.1	1715.10	1.4	1713.21	1.5	1719.19	4.2	1712.69	0.75	1721.33	1.9	1720.37
11/03/17	0.11	1716.79	1.2	1718.73	4.9	1721.74	6.5	1707.03	3.0	1715.20	1.3	1715.03	1.4	1719.19	4.0	1712.71	0.82	1721.29	1.9	1720.44
11/04/17	0.12	1716.83	1.2	1718.87	4.9	1721.74	6.5	1707.03	3.0	1715.19	1.2	1715.55	1.4	1719.30	4.0	1712.67	0.82	1721.29	1.9	1720.43
11/05/17	0.12	1716.94	1.2	1718.89	5.1	1721.74	6.7	1707.03	3.2	1715.16	1.2	1715.69	1.5	1719.30	4.4	1712.84	0.85	1721.28	1.9	1720.42
11/06/17[3]	0.21	1716.85	1.1	1718.90	4.9	1721.73	6.3	1707.03	3.1	1715.13	1.1	1716.01	1.4	1719.41	4.3	1713.49	0.83	1721.28	1.9	1720.41
11/07/17	0.12	1716.84	1.1	1719.06	4.9	1721.71	6.4	1707.02	3.1	1715.08	1.1	1716.22	1.4	1719.47	4.3	1713.88	0.82	1721.26	1.9	1720.38
11/08/17	0.12	1717.05	1.1	1719.18	4.9	1721.73	6.4	1707.02	3.1	1715.14	1.1	1716.20	1.4	1719.47	4.3	1713.76	0.83	1721.28	1.9	1720.41
11/09/17	0.11	1717.10	1.1	1719.28	4.9	1721.75	6.5	1707.03	3.1	1715.15	1.4	1712.10	1.4	1719.49	4.2	1712.69	0.83	1721.30	1.9	1720.46
11/10/17	0.12	1715.88	1.0	1719.73	4.9	1721.78	6.4	1707.03	3.0	1715.34	1.4	1712.46	1.3	1719.52	4.0	1712.68	0.80	1721.41	1.8	1720.60
11/11/17	0.13	1716.05	1.0	1719.32	4.9	1721.77	6.5	1707.02	3.0	1715.26	1.4	1712.41	1.2	1719.69	4.0	1712.67	0.79	1721.39	1.9	1720.60
11/12/17	0.13	1715.84	1.1	1719.25	4.9	1721.75	6.5	1707.02	3.0	1715.24	1.4	1712.86	1.2	1719.51	4.0	1712.68	0.79	1721.34	1.9	1720.52
11/13/17[3]	0.23	1715.82	1.1	1719.20	4.9	1721.75	6.3	1707.02	3.1	1715.26	1.3	1713.61	2.1	1719.68	4.3	1712.68	0.79	1721.32	1.9	1720.49
11/14/17	0.13	1715.66	1.1	1719.19	4.9	1721.74	6.5	1707.02	3.1	1715.23	1.3	1713.55	2.1	1718.06	4.2	1712.69	0.78	1721.31	1.9	1720.47
11/15/17	0.13	1715.71	1.1	1719.22	4.9	1721.75	6.5	1707.02	3.1	1715.27	1.3	1713.67	2.1	1718.05	4.1	1712.66	0.79	1721.32	1.8	1720.48
11/16/17	0.13	1715.82	1.1	1719.25	4.9	1721.76	6.5	1707.03	3.1	1715.29	1.3	1713.50	2.1	1718.08	4.0	1712.71	0.79	1721.34	1.8	1720.54
11/17/17	0.13	1715.70	1.1	1719.19	4.9	1721.71	6.5	1707.02	3.0	1715.18	1.3	1713.86	2.1	1718.01	3.9	1712.70	0.79	1721.29	1.8	1720.41
11/18/17	0.13	1715.74	1.1	1719.17	4.9	1721.70	6.4	1707.02	3.0	1715.19	1.4	1711.60	2.0	1717.97	3.9	1712.74	0.79	1721.27	1.9	1720.35
11/19/17	0.13	1715.85	1.1	1719.19	4.9	1721.72	6.4	1707.02	3.0	1715.26	1.5	1711.59	2.0	1718.02	3.8	1712.69	0.79	1721.27	1.9	1720.36
11/20/17[3]	0.22	1715.87	1.1	1719.20	4.9	1721.71	6.4	1707.02	3.1	1715.24	1.5	1711.57	2.0	1717.97	3.7	1712.70	0.80	1721.27	1.9	1720.35
11/21/17	0.11	1716.45	1.1	1719.22	4.9	1721.71	6.4	1707.02	3.1	1715.24	1.5	1711.80	2.0	1717.99	3.8	1712.70	0.79	1721.27	1.9	1720.37
11/22/17	0.12	1716.41	1.1	1719.24	4.9	1721.71	6.4	1707.02	3.0	1715.24	1.5	1711.90	2.0	1717.98	3.8	1712.67	0.82	1721.26	1.8	1720.38
11/23/17	0.12	1716.71	1.0	1719.28	4.9	1721.74	6.5	1707.02	3.0	1715.31	1.5	1712.22	2.0	1718.00	3.8	1712.68	0.79	1721.28	1.8	1720.48
11/24/17	0.11	1717.12	1.0	1719.31	4.9	1721.76	6.5	1707.02	3.0	1715.30	1.4	1714.26	1.9	1718.02	3.8	1712.68	0.82	1721.29	1.7	1720.51
11/25/17	0.11	1717.12	1.1	1719.46	4.9	1721.73	6.4	1707.02	3.0	1715.28	1.3	1712.18	1.9	1718.03	3.7	1712.67	0.82	1721.29	1.8	1720.51
11/26/17[4]	0.11	1717.12	1.0	1719.54	4.9	1721.76	6.5	1707.03	3.0	1715.34	1.4	1711.59	1.9	1718.09	3.7	1712.68	0.82	1721.32	1.8	1720.57
11/27/17[3]	0.17	1717.53	1.1	1719.25	4.9	1721.81	6.5	1707.02	3.1	1715.41	1.0	1716.95	1.8	1718.19	4.2	1712.73	0.95	1721.34	1.8	1720.73
11/28/17	0.09	1714.76	1.2	1719.34	5.0	1721.76	6.6	1707.02	3.1	1715.25	1.1	1713.30	1.8	1718.46	3.7	1712.66	0.97	1721.26	1.8	1720.63
11/29/17	0.06	1714.90	1.1	1719.26	4.8	1721.74	6.3	1707.02	3.0	1715.23	1.4	1712.71	1.8	1718.35	3.6	1712.67	0.92	1721.22	1.7	1720.55
11/30/17	0.10	1715.33	1.1	1719.23	4.9	1721.73	6.5	1707.02	3.1	1715.22	1.4	1712.75	1.9	1718.38	3.6	1712.69	0.93	1721.21	1.8	1720.51
Monthly Average	0.13	1716.32	1.1	1719.14	4.9	1721.74	6.5	1707.02	3.1	1715.23	1.3	1713.46	1.7	1718.67	4.0	1712.82	0.82	1721.30	1.8	1720.47
Analytical[1]	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[15] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	1,600	11/9/2017	1,400	11/9/2017	970	11/7/2017	370	11/7/2017	290	11/7/2017	670	11/8/2017	900	11/8/2017	580	11/8/2017	1,100	11/9/2017	1,200	11/9/2017
Hexavalent Chromium	20	11/9/2017	15	11/9/2017	11	11/7/2017	3.9	11/7/2017	2.2	11/7/2017	0.55	11/8/2017	6.1	11/8/2017	6.2	11/8/2017	17	11/9/2017	16	11/9/2017
Total Chromium	19	11/9/2017	14	11/9/2017	11	11/7/2017	4.3	11/7/2017	2.3	11/7/2017	0.56	11/8/2017	7.1	11/8/2017	7.7	11/8/2017	15	11/9/2017	15	11/9/2017

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. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below or above the transducer.

3: On 11/06, 11/13, 11/20, and 11/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: From 11/26 to 11/27, IWF offline intermittently due to turbine overheating at LS #2.

5: On 11/27, I-AA, I-B, and I-L offline intermittently due to instrument error.

10: On 11/13, I-D, I-E, I-M, and I-X adjusted to meet flow target as directed by the Trust.

11: On 11/21, I-G offline from 12:00 pm to 1:51 pm for pump replacement.

12: On 11/29, I-G and I-Q were adjusted to meet flow target as directed by the Trust.

13: On 11/30, I-G was adjusted to meet flow target as directed by the Trust.

14: On 11/26, it was confirmed the I-G transducer had failed. Manual water level measurements will be taken going forward and were started 11/27.

15: Duplicates taken on 11/07 for well I-K; average of both values is presented and used for calculation purposes.

16: On 11/15, I-M and I-X adjusted to meet flow target as directed by the Trust.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																				
Date	I-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y		I-Z	
	Flow[12 17 18 19] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[10 16 20] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[2] (ft amsl)
11/01/17	0.18	1718.85	1.5	1715.21	2.9	1710.72	0.43	1709.84	0.72	1711.41	4.3	1719.14	0.65	1719.56	2.1	1716.34	1.2	1715.46	7.7	< 1707.89
11/02/17	0.20	1718.85	1.5	1715.08	2.9	1710.72	0.43	1709.81	0.73	1711.25	4.3	1719.12	0.65	1719.35	3.5	1712.91	1.5	1710.17	7.7	< 1707.89
11/03/17	0.21	1718.86	1.4	1716.04	2.9	1710.72	0.41	1710.64	0.79	1709.05	4.3	1719.11	0.67	1718.81	3.3	1713.74	1.4	1714.06	7.7	< 1707.89
11/04/17	0.19	1719.00	1.2	1716.53	2.9	1710.73	0.41	1710.59	0.80	1709.93	4.3	1719.11	0.82	1718.77	2.6	1716.11	1.3	1714.86	7.7	< 1707.89
11/05/17	0.15	1719.00	1.4	1716.32	3.1	1710.73	0.42	1710.75	0.80	1710.29	4.4	1719.10	0.83	1718.85	2.1	1716.38	1.4	1715.29	7.9	< 1707.89
11/06/17[3]	0.15	1719.00	1.4	1716.22	3.1	1710.72	0.41	1710.61	0.75	1710.58	4.3	1719.09	0.76	1718.93	2.0	1716.50	1.2	1715.86	7.6	< 1707.89
11/07/17	0.14	1719.00	1.3	1716.30	3.0	1710.72	0.41	1710.59	0.76	1710.35	4.3	1719.05	0.77	1718.90	2.0	1716.56	1.2	1715.84	7.7	< 1707.89
11/08/17	0.16	1719.00	1.3	1716.38	3.0	1710.73	0.40	1710.79	0.78	1711.26	4.3	1719.09	0.77	1719.11	2.2	1712.80	1.2	1715.98	7.7	< 1707.89
11/09/17	0.24	1719.00	1.5	1715.05	2.9	1710.73	0.41	1710.78	0.73	1711.24	4.3	1719.12	0.72	1719.19	3.7	1711.84	1.4	1713.55	7.7	< 1707.89
11/10/17	0.17	1719.00	1.5	1715.18	2.8	1710.75	0.41	1710.81	0.71	1712.04	4.3	1719.24	0.55	1720.46	3.5	1709.08	1.2	1715.41	7.7	< 1707.89
11/11/17	0.20	1719.00	1.5	1715.01	2.8	1710.74	0.41	1710.70	0.71	1708.36	4.3	1719.21	0.38	1719.32	3.5	1713.37	1.4	1713.80	7.7	< 1707.89
11/12/17	0.18	1719.00	1.5	1715.02	2.8	1710.72	0.41	1710.60	0.81	1709.85	4.2	1719.16	0.76	1718.96	4.1	1715.68	1.3	1714.30	7.8	< 1707.89
11/13/17[3]	0.18	1719.00	1.5	1715.09	2.8	1710.72	0.42	1710.20	0.82	1709.51	4.3	1719.15	0.78	1718.87	2.7	1715.12	1.3	1714.90	7.8	< 1707.89
11/14/17	0.15	1719.14	1.5	1715.17	2.8	1710.73	0.42	1710.34	0.80	1709.96	4.3	1719.13	0.79	1718.80	2.4	1715.77	1.2	1715.39	7.7	< 1707.89
11/15/17	0.16	1718.79	1.5	1715.18	2.8	1710.52	0.41	1710.52	0.78	1710.15	4.3	1719.14	0.82	1718.77	3.1	1713.67	1.2	1715.79	7.7	< 1707.89
11/16/17	0.20	1718.64	1.5	1714.77	2.8	1710.34	0.41	1710.34	0.77	1710.55	4.3	1719.16	0.80	1718.87	3.2	1714.09	1.2	1715.72	7.7	< 1707.89
11/17/17	0.20	1717.90	1.5	1714.74	2.8	1710.25	0.42	1710.25	0.74	1711.02	4.3	1719.07	0.79	1718.70	3.4	1712.94	1.2	1715.92	7.7	< 1707.89
11/18/17	0.17	1717.59	1.5	1714.37	2.8	1710.32	0.41	1710.32	0.73	1711.53	4.3	1719.05	0.85	1718.36	3.6	1712.31	1.3	1713.87	7.7	< 1707.89
11/19/17	0.17	1718.09	1.5	1714.25	2.7	1710.34	0.41	1710.34	0.70	1711.41	4.3	1719.07	0.87	1718.42	3.3	1713.30	1.3	1714.81	7.7	< 1707.89
11/20/17[3]	0.16	1718.79	1.5	1714.71	2.6	1710.72	0.41	1710.32	0.72	1711.45	4.3	1719.05	0.85	1718.53	3.0	1713.91	1.1	1715.97	7.8	< 1707.89
11/21/17	0.17	1718.78	1.5	1714.78	2.7	1710.74	0.41	1710.33	0.71	1711.56	4.3	1719.05	0.82	1718.69	3.0	1714.00	1.1	1715.99	7.7	< 1707.89
11/22/17	0.17	1718.78	1.5	1714.80	2.8	1710.72	0.41	1710.61	0.70	1711.79	4.3	1719.05	0.81	1718.68	3.0	1714.06	1.1	1716.25	7.7	< 1707.89
11/23/17	0.18	1718.68	1.5	1714.81	2.8	1710.73	0.41	1710.68	0.69	1712.02	4.3	1719.09	0.82	1718.72	3.0	1713.95	1.1	1716.30	7.7	< 1707.89
11/24/17	0.17	1718.58	1.5	1714.75	2.8	1710.72	0.41	1710.67	0.68	1712.29	4.3	1719.09	0.81	1718.73	3.3	1706.51	1.1	1716.24	7.7	< 1707.89
11/25/17	0.17	1718.15	1.5	1714.51	2.7	1710.73	0.41	1710.68	0.67	1712.43	4.3	1719.09	0.81	1718.77	3.9	1707.91	1.2	1712.55	7.7	< 1707.89
11/26/17[4]	0.17	1717.59	1.5	1714.36	2.7	1710.75	0.41	1710.78	0.66	1712.61	4.3	1719.13	0.80	1718.59	3.8	1705.92	1.3	1707.01	7.7	< 1707.89
11/27/17[3]	0.15	1718.85	1.4	1715.54	3.3	1710.71	0.42	1710.02	0.77	1710.44	4.3	1719.26	0.34	1720.46	3.3	1713.09	1.3	1715.19	7.8	< 1707.89
11/28/17	0.15	1719.04	1.5	1715.36	3.1	1710.70	0.42	1710.33	0.80	1710.03	4.4	1719.18	0.51	1718.56	3.7	1706.04	1.3	1713.97	8.0	< 1707.89
11/29/17	0.17	1719.06	1.4	1715.12	2.9	1710.73	0.40	1710.65	0.76	1710.72	4.3	1719.12	0.84	1718.69	3.5	1712.27	1.3	1714.37	7.6	< 1707.89
11/30/17	0.26	1717.95	1.4	1715.21	2.8	1710.71	0.41	1710.65	0.77	1710.25	4.3	1719.11	0.83	1718.61	3.4	1712.59	1.3	1714.62	7.7	< 1707.89
Monthly Average	0.18	1718.70	1.5	1715.20	2.9	1710.66	0.41	1710.48	0.75	1710.84	4.3	1719.12	0.74	1718.93	3.1	1712.96	1.2	1714.65	7.7	< 1707.89
Analytical[1]	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	1,200	11/9/2017	870	11/8/2017	620	11/8/2017	1,800	11/9/2017	1,800	11/9/2017	920	11/7/2017	1,100	11/9/2017	1,200	11/8/2017	1,300	11/8/2017	540	11/7/2017
Hexavalent Chromium	18	11/9/2017	0.22	11/8/2017	0.85	11/8/2017	21	11/9/2017	19	11/9/2017	16	11/7/2017	17	11/9/2017	8.7	11/8/2017	0.36	11/8/2017	9.1	11/7/2017
Total Chromium	17	11/9/2017	0.25	11/8/2017	0.86	11/8/2017	20	11/9/2017	19	11/9/2017	16	11/7/2017	16	11/9/2017	9.9	11/8/2017	0.40	11/8/2017	12	11/7/2017

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. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below or above the transducer.

3: On 11/06, 11/13, 11/20, and 11/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: From 11/26 to 11/27, IWF offline intermittently due to turbine overheating at LS #2.

10: On 11/13, I-D, I-E, I-M, and I-X adjusted to meet flow target as directed by the Trust.

12: On 11/29, I-G and I-Q were adjusted to meet flow target as directed by the Trust.

16: On 11/15, I-M and I-X adjusted to meet flow target as directed by the Trust.

17: On 11/01, I-Q adjusted to meet flow target as directed by the Trust.

18: On 11/10, I-Q totalizer was reset.

19: On 11/14, I-Q adjusted to meet flow target as directed by the Trust.

20: On 11/11, I-X 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 (gpm)	Flow[4] (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	Flow[5] (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	Flow[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)
11/01/17	944	60				0.00				1,047		262	130			
11/02/17	926	62	0.15	ND	810	0.00				1,053		259				
11/03/17	961	62				0.00				1,044		241				
11/04/17	944	60				0.00				1,004	230	260				
11/05/17	984	62				0.00				1,046		260				
11/06/17[3]	1,062	59				0.00				1,167		252		11	0.19	0.015
11/07/17	946	59				0.00				1,005		257				
11/08/17	947	60				0.00				1,011		244				
11/09/17	947	62	0.14	ND	780	0.00				1,012		243				
11/10/17	948	62				0.00				1,010		243				
11/11/17	948	62				0.00				1,009	300	263				
11/12/17	948	61				0.00				1,009		265				
11/13/17[3]	884	61				5.0	0.077	0.039	52	945		259		12	0.016	0.013
11/14/17	949	62				0.00				1,011		285				
11/15/17	949	62				0.00				1,011		225				
11/16/17	949	59	0.14	ND	800	226				1,048		270				
11/17/17	950	66				0.00				1,070		271				
11/18/17	951	62				0.00				1,054	270	255				
11/19/17	951	62				0.00				1,050		268				
11/20/17[3]	1,011	62				0.00				1,088		195		10	0.057	0.014
11/21/17	952	62	0.13	ND	610	0.00				1,030		261				
11/22/17	953	62				0.00				1,039		270				
11/23/17	953	62				0.00				1,015		314				
11/24/17	954	62				0.00				1,054		255				
11/25/17	956	62				0.00				1,070	310	238				
11/26/17	980	62				0.00				1,117		310				
11/27/17[3]	988	58				0.00				1,111		307		11	0.021	0.013
11/28/17	967	61				0.00				1,032		324				
11/29/17	961	71				0.00				1,035		246				
11/30/17	960	80	0.58	ND	660	0.00				1,053		232				
Monthly Average[2]	957	62	0.22	ND	728	7.7	0.08	0.039	52	1,042	279	261	130	11	0.085	0.014

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).

^ = Instrument related QC is outside acceptance limits.

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

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

3: On 11/06, 11/13, 11/20, and 11/27, LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 11/28, GWTP Effluent totalizer was reset. Previous flow rates may not reflect the entire flow through the GWTP effluent.

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

6: On 11/16, FBR plant offline from 9:15 am to 2:40 pm for planned maintenance.

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[6 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)
11/01/17	1,032	6.7	-296	879	6.6	-312	1,155		ND	ND				5
11/02/17	1,024	6.6	-301	1,004	6.5	-313	1,104		ND					7
11/03/17	970	6.6	-329	852	6.5	-310	1,105		ND					6
11/04/17	973	6.6	-314	891	6.5	-312	1,074	ND ^	ND					3
11/05/17	969	6.6	-283	869	6.5	-313	1,118		ND					6
11/06/17	980	6.6	-321	903	6.5	-316	1,088		ND		ND	0.0030	11	2
11/07/17	980	6.6	-335	986	6.5	-316	1,075		ND					1
11/08/17	975	6.6	-341	971	6.5	-316	1,074		ND					4
11/09/17	975	6.5	-351	966	6.4	-314	1,080		ND					2
11/10/17	973	6.6	-354	960	6.5	-315	1,073		ND					2
11/11/17	971	6.6	-344	1,037	6.5	-315	1,072	ND ^	ND					2
11/12/17	983	6.7	-361	922	6.5	-315	1,074		ND					7
11/13/17	971	6.7	-366	941	6.5	-316	1,061		ND		0.0035 J	ND	ND	10
11/14/17	987	6.6	-352	986	6.5	-315	1,120		ND					4
11/15/17	1,115	6.7	-266	1,010	6.5	-317	1,092		ND					11
11/16/17	1,120	6.7	-347	971	6.6	-316	822		ND					7
11/17/17	1,077	6.6	-339	970	6.6	-317	1,106		ND					10
11/18/17	1,080	6.7	-373	881	6.6	-318	1,099	ND	ND					14
11/19/17	1,076	6.7	-376	965	6.6	-320	1,099		ND					42
11/20/17	1,073	6.7	-378	777	6.6	-320	1,088		ND		0.0063	ND	ND	5
11/21/17	1,007	6.6	-361	994	6.4	-317	1,055		ND					8
11/22/17	869	6.6	-314	458	6.5	-318	1,042		ND					10
11/23/17	991	6.7	-323	902	6.6	-336	975		ND					14
11/24/17	1,036	6.6	-295	996	6.5	-334	1,056		ND					9
11/25/17	1,082	6.6	-335	1,022	6.5	-339	1,123	ND	ND					9
11/26/17	1,044	6.6	-325	979	6.5	-341	1,141		ND					9
11/27/17	1,126	6.7	-315	950	6.7	-357	926		ND		0.0067	ND	ND	8
11/28/17	1,162	6.8	-299	917	6.6	-348	1,208		ND					7
11/29/17	1,166	6.8	-313	961	6.6	-347	1,079		ND					10
11/30/17	1,169	6.7	-287	720	6.5	-340	976		ND					15
Monthly Average[2]	1032	6.6	-329	921	6.5	-323	1,072	ND	ND	ND	0.0038	0.00092	3.38	8

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.

^ = Instrument related QC is outside acceptance limits.

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

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

6: On 11/16, FBR plant offline from 9:15 am to 2:40 pm for planned maintenance.

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)
11/13/17	32.1	34.0
11/28/17	31.7	34.4

GW-11 Leak Detection Monitoring				
Date	Amount Pumped[1] (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
11/15/17	0	4,127	0	0
11/30/17	0	4,071	0	0

GW-11 Composite Sample[2] [3]		
Analytes	Concentration	Units
Perchlorate	10	mg/L
Chlorate	12	mg/L
Ammonia as N	3.3	mg/L
Total Phosphorus	0.066	mg/L
Total Dissolved Solids (TDS)	9,250	mg/L
Total Suspended Solids (TSS)	21	mg/L
pH	8.4	s.u.
Calcium	450	mg/L
Iron	0.30	mg/L
Chromium (total)	0.017	mg/L
Chromium VI	ND	mg/L
Chloride	3,225	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,625	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).

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: November 15, 2017 by Envirogen.

3: The laboratory inadvertently ran each corner sample separately rather than as a composite sample. The average of the four results are presented for each analyte.

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)		
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
Oct 2017	1,060	180	11	130	821	778
Nov 2017	1,042	279	11	130	1,030	821

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)[14] (mg/L)	ClO_4[14] (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[15] (mg/L)	ClO_4[15] (mg/L)	Flow[5] (gpm)	Water Elevation (ft amsl)	Cr (VI)[1] (mg/L)	ClO_4[1] (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI)[16] (mg/L)	ClO_4[16] (mg/L)
11/01/17	1.0	1724.24			1.3	1713.43			0.69	1721.11			1.4	1719.21		
11/02/17	1.0	1724.23			1.3	1713.72			0.86	1719.32			1.4	1716.18		
11/03/17	1.1	1724.29			1.3	1713.92			0.91	1717.62			1.4	1716.72		
11/04/17	*1.1*				*1.3*				*0.91*				*1.4*			
11/05/17	*1.1*				*1.3*				*0.91*				*1.4*			
11/06/17	1.2	1723.98	0.028	540	1.5	1711.92	0.039	1,800	0.98	1714.54	0.098	970	1.5	1717.17	0.026	250
11/07/17	1.1	1723.98			1.4	1710.46			0.87	1714.60			1.5	1719.42		
11/08/17	1.5	1723.95			1.3	1710.06			0.85	1714.25			1.5	1714.70		
11/09/17	1.6	1723.24			1.4	1709.72			0.91	1714.40			1.6	1715.24		
11/10/17	1.5	1723.18			1.2	1709.72			0.82	1712.81			1.5	1714.27		
11/11/17	*1.5*				*1.2*				*0.82*				*1.5*			
11/12/17	*1.5*				*1.2*				*0.82*				*1.5*			
11/13/17	1.8	1723.38	0.027	550	1.5	1715.25	0.040	1,700	1.0	1716.81	0.097	1,200	1.6	1716.38	0.025	255
11/14/17	1.3	1722.93			1.0	1710.85			0.68	1712.34			1.2	1714.15		
11/15/17	1.6	1723.13			1.3	1713.38			0.90	1715.38			1.5	1717.46		
11/16/17	1.8	1723.03			1.3	1712.60			0.94	1712.95			1.5	1714.56		
11/17/17	1.8	1722.63			1.2	1711.84			0.85	1710.69			1.5	1713.35		
11/18/17	*1.8*				*1.2*				*0.85*				*1.5*			
11/19/17	*1.8*				*1.2*				*0.85*				*1.5*			
11/20/17	1.8	1722.50	0.029	575	1.3	1713.48	0.044	1,900	0.92	1714.55	0.11	1,200	1.3	1713.85	0.026	260
11/21/17	1.8	1722.59			1.1	1709.71			0.88	1711.83			1.3	1719.37		
11/22/17	1.9	1722.47			1.3	1715.39			0.95	1711.92			1.5	1717.23		
11/23/17	2.3	1722.41			1.5	1712.99			1.1	1710.95			1.8	1715.20		
11/24/17	1.5	1722.12			0.87	1710.14			0.63	1711.11			1.2	1712.21		
11/25/17	*1.5*				*0.87*				*0.63*				*1.2*			
11/26/17	*1.5*				*0.87*				*0.63*				*1.2*			
11/27/17[3]	1.6	1723.10	0.028	330	1.1	1720.46	0.026	945	0.78	1720.60	0.081	800	1.3	1724.27	0.023	150
11/28/17	1.8	1722.65			1.3	1714.29			0.97	1716.77			1.5	1718.64		
11/29/17	1.7	1722.63			1.2	1713.54			0.91	1714.05			1.4	1717.78		
11/30/17	1.7	1722.54			1.2	1713.26			0.90	1713.10			1.4	1715.15		
Monthly Average[2]	1.5	1723.15	0.028	500	1.2	1712.74	0.038	1,630	0.86	1714.62	0.097	1,045	1.4	1716.47	0.025	232

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 11/27, all E1 and E2 series wells were offline intermittently due to turbine overheating at LS #2.

4: Duplicates taken on 11/20 for well E1-1; average of both values is presented for calculation purposes.

5: Duplicates taken on 11/27 for well E1-2; average of both values is presented for calculation purposes.

6: Duplicates taken on 11/13 for well E2-1; average of both values is presented for calculation purposes.

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[7] (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)[1,8] (mg/L)	ClO_4[1,8] (mg/L)
11/01/17	1.9	1713.20			1.9	1715.07			2.0	1715.97			0.60	1711.84		
11/02/17	1.9	1714.62			1.9	1716.16			2.1	1716.51			0.73	1720.07		
11/03/17	1.9	1714.88			1.9	1716.87			2.0	1717.01			0.66	1716.76		
11/04/17	*1.9*				*1.9*				*2.0*				*0.66*			
11/05/17	*1.9*				*1.9*				*2.0*				*0.66*			
11/06/17	1.6	1716.02	0.019	550	2.2	1718.42	0.016	810	1.3	1718.95	0.024	1000	0.57	1721.14	0.032	1950
11/07/17	1.8	1721.67			2.1	1719.35			1.8	1726.58			0.77	1724.60		
11/08/17	1.8	1717.87			2.0	1716.94			1.9	1721.91			0.81	1717.48		
11/09/17	2.0	1717.46			2.1	1717.40			2.2	1720.61			0.82	1715.22		
11/10/17	1.9	1715.60			1.8	1717.24			2.0	1718.60			0.76	1715.62		
11/11/17	*1.9*				*1.8*				*2.0*				*0.76*			
11/12/17	*1.9*				*1.8*				*2.0*				*0.76*			
11/13/17	2.3	1713.72	0.019	620	2.0	1722.67	0.016	610	2.4	1722.95	0.024	960	0.80	1722.35	0.034	1800
11/14/17	1.7	1712.90			1.6	1718.45			1.7	1716.74			0.60	1717.71		
11/15/17	2.0	1713.95			2.1	1718.19			2.2	1718.20			0.82	1718.31		
11/16/17	2.1	1713.54			2.0	1716.64			2.1	1717.04			0.83	1714.87		
11/17/17	2.0	1713.45			1.2	1716.85			2.0	1717.76			0.78	1714.12		
11/18/17	*2.0*				*1.2*				*2.0*				*0.78*			
11/19/17	*2.0*				*1.2*				*2.0*				*0.78*			
11/20/17	2.1	1715.25	0.019	490	1.9	1716.35	0.016	670	1.5	1720.64	0.024	980	0.66	1716.41	0.035	2,300
11/21/17	2.0	1713.80			2.1	1720.00			1.9	1723.96			0.83	1720.37		
11/22/17	2.1	1713.22			2.1	1715.84			2.2	1718.87			0.79	1713.15		
11/23/17	2.5	1713.90			2.5	1716.26			2.8	1717.18			0.93	1716.46		
11/24/17	1.7	1712.68			1.7	1715.47			1.6	1715.79			0.61	1716.43		
11/25/17	*1.7*				*1.7*				*1.6*				*0.61*			
11/26/17	*1.7*				*1.7*				*1.6*				*0.61*			
11/27/17[3]	1.6	1721.41	0.015	430	1.6	1723.41	0.015	570	1.9	1725.98	0.021	660	0.58	1726.07	0.033	1600
11/28/17	2.1	1719.82			1.9	1722.65			2.3	1723.90			0.80	1720.11		
11/29/17	2.0	1714.27			2.0	1720.23			2.1	1717.32			0.82	1718.41		
11/30/17	2.0	1714.10			2.0	1717.63			2.1	1718.97			0.79	1715.68		
Monthly Average[2]	1.9	1715.34	0.018	525	1.9	1718.10	0.016	678	2.0	1719.61	0.023	909	0.73	1717.87	0.033	1,925

Notes:

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

1: Analytical results are reported from TestAmerica.

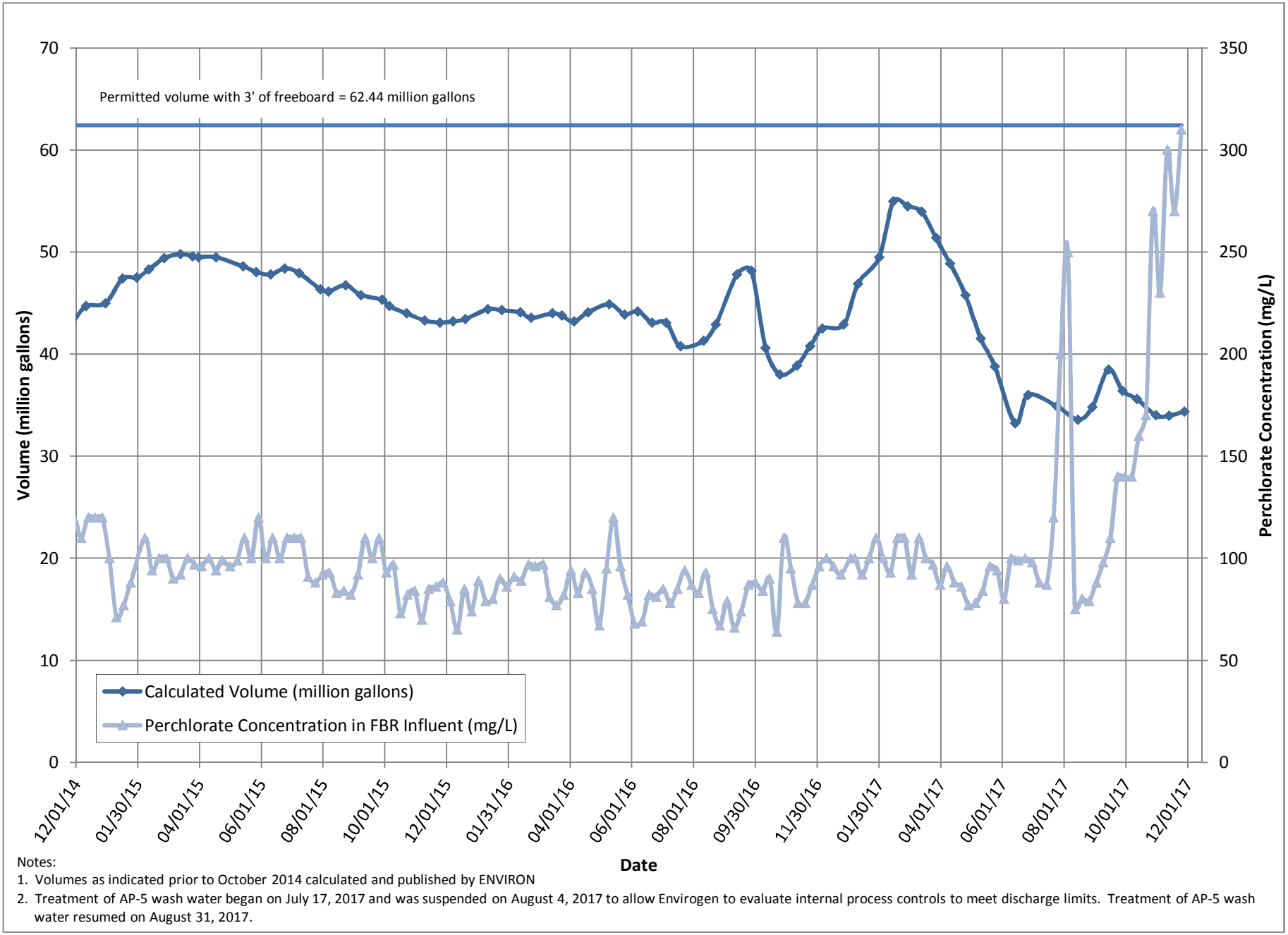
2: All average concentrations reported are monthly flow weighted averages.

3: On 11/27, all E1 and E2 series wells were offline intermittently due to turbine overheating at LS #2.

7: On 11/20, maintenance was conducted for the flowmeter at E2-3.

8: Duplicates were taken on 11/06 for well E2-5; average of both values is presented for calculation purposes.

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

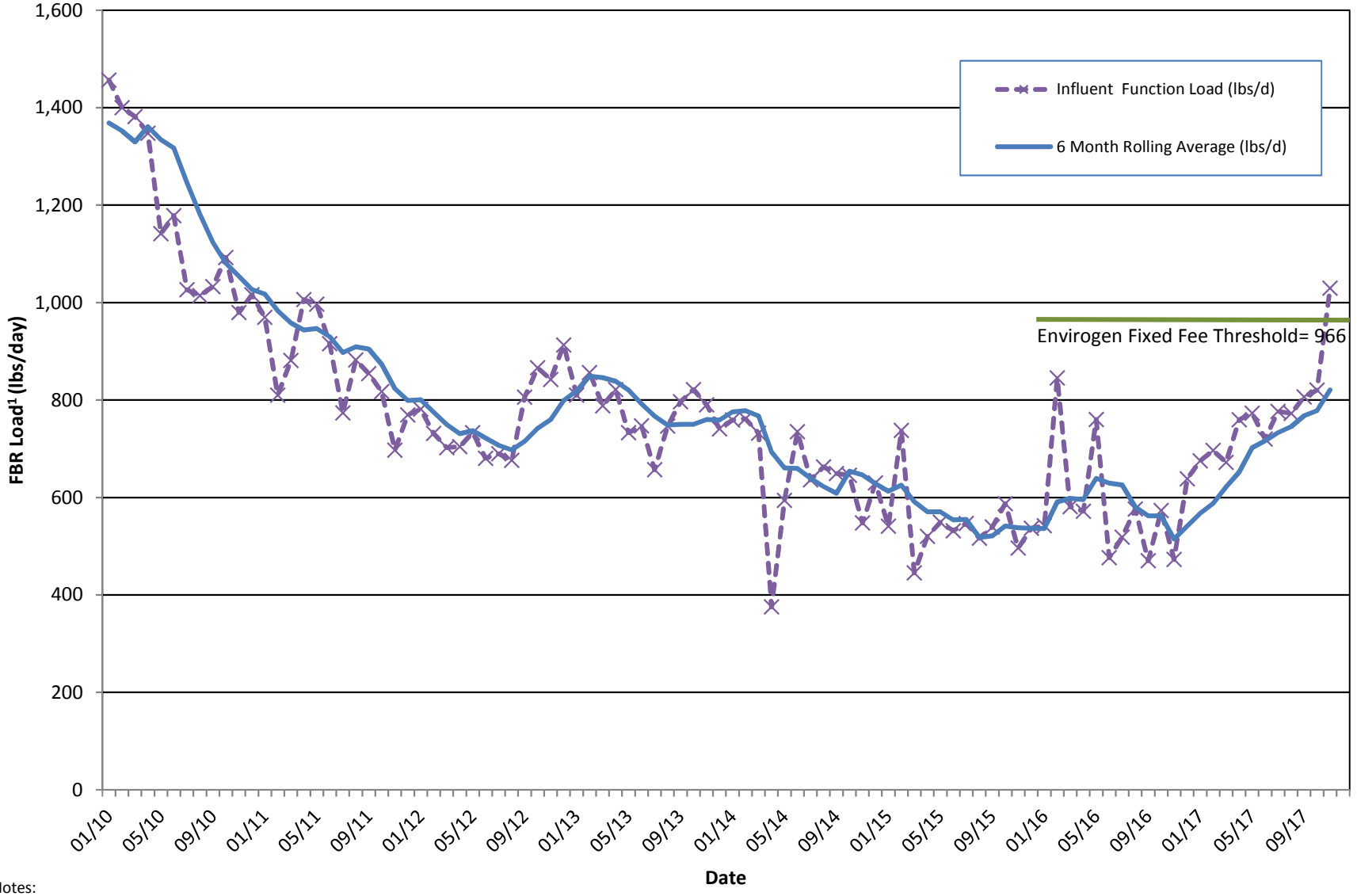


Notes:

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: 12/19/2017

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:12/13/2017