

Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																											
Date	LS #1 Flow (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 ⁴ (ft amsl)								
09/01/18	654	167	1535.98	85	1541.08	130	1541.60	115	1536.65	58	1545.92	101	1547.16	50	1548.25	19	1549.34	9.7	< 1520.00								
09/02/18	655	165	1536.06	84	1541.08	128	1541.71	114	1536.73	58	1546.01	99	1547.27	50	1548.37	19	1549.45	9.6	< 1520.00								
09/03/18	657	167	1536.16	86	1541.48	131	1541.81	115	1536.80	58	1546.12	102	1547.38	51	1548.48	19	1549.57	9.7	< 1520.00								
09/04/18 ²	555	167	1536.25	85	1541.24	130	1541.92	116	1536.88	58	1546.22	102	1547.50	51	1548.60	19	1549.69	9.8	< 1520.00								
09/05/18	662	167	1536.35	86	1541.53	131	1542.02	116	1536.97	59	1546.33	101	1547.60	51	1548.71	19	1549.80	9.7	< 1520.00								
09/06/18	656	169	1536.46	88	1541.25	132	1542.06	116	1537.05	59	1546.41	102	1547.72	51	1548.87	20	1549.89	9.8	< 1520.00								
09/07/18	657	167	1536.55	87	1541.33	131	1542.14	116	1537.12	59	1546.49	101	1547.81	51	1548.96	19	1549.99	9.7	< 1520.00								
09/08/18	657	168	1536.67	87	1541.22	131	1542.23	115	1537.29	58	1546.57	102	1547.88	51	1549.04	19	1550.06	10	< 1520.00								
09/09/18	658	169	1536.71	88	1541.31	134	1542.28	117	1537.32	59	1546.62	103	1547.94	52	1549.10	20	1550.12	9.8	< 1520.00								
09/10/18 ²	531	168	1536.76	82	1541.43	131	1542.33	116	1537.36	58	1546.67	102	1548.00	51	1549.16	19	1550.18	10	< 1520.00								
09/11/18	660	169	1536.81	88	1541.43	131	1542.37	116	1537.40	59	1546.72	102	1548.05	51	1549.21	19	1550.23	9.7	< 1520.00								
09/12/18	666	166	1536.85	87	1541.38	129	1542.41	115	1537.42	58	1546.75	100	1548.09	50	1549.24	19	1550.27	9.6	< 1520.00								
09/13/18	613	167	1536.88	87	1541.78	130	1542.42	115	1537.44	58	1546.78	101	1548.11	51	1549.27	19	1550.30	10	< 1520.00								
09/14/18	561	167	1536.92	87	1541.11	130	1542.46	116	1537.48	59	1546.81	101	1548.15	51	1549.13	19	1550.33	9.7	< 1520.00								
09/15/18	563	169	1536.95	88	1541.48	131	1542.49	117	1537.50	59	1546.84	102	1548.17	52	1549.33	20	1550.36	10	< 1520.00								
09/16/18	564	167	1536.97	87	1541.37	131	1542.50	115	1537.51	59	1546.84	102	1548.19	51	1549.35	19	1550.37	9.7	< 1520.00								
09/17/18 ²	565	167	1536.98	89	1541.85	131	1542.51	116	1537.52	59	1546.86	102	1548.20	51	1549.36	20	1550.39	10	< 1520.00								
09/18/18	561	167	1536.99	87	1541.36	130	1542.52	115	1537.53	59	1546.86	101	1548.22	50	1549.37	19	1550.40	9.7	< 1520.00								
09/19/18	577	165	1537.17	86	1541.71	128	1542.58	114	1537.88	58	1546.88	100	1548.23	50	1549.39	19	1550.42	10	< 1520.00								
09/20/18	571	165	1537.15	87	1541.51	129	1542.58	115	1537.85	58	1546.89	100	1548.23	51	1549.39	19	1550.41	10	1520.64								
09/21/18	566	167	1537.14	88	1541.68	130	1542.58	115	1537.84	59	1546.89	101	1548.24	51	1549.40	19	1550.42	10	1520.25								
09/22/18	572	170	1537.15	89	1542.03	132	1542.60	117	1537.84	59	1546.92	103	1548.27	52	1549.42	20	1550.45	9.8	< 1520.00								
09/23/18	560	167	1537.18	88	1541.52	131	1542.64	115	1537.86	59	1546.96	101	1548.32	51	1549.47	19	1550.50	10	< 1520.00								
09/24/18 ²	550	168	1537.18	87	1541.04	131	1542.64	116	1537.86	59	1546.96	101	1548.32	51	1549.47	20	1550.50	10	< 1520.00								
09/25/18	567	167	1537.20	88	1541.68	131	1542.65	115	1537.86	58	1546.96	101	1548.33	51	1549.49	19	1550.51	10	< 1520.00								
09/26/18	563	165	1537.26	87	1541.77	128	1542.67	114	1537.94	58	1546.99	100	1548.34	51	1549.50	19	1550.53	10	< 1520.00								
09/27/18	564	167	1537.25	89	1541.74	131	1542.68	116	1537.92	58	1547.00	101	1548.36	51	1549.52	19	1550.54	9.7	< 1520.00								
09/28/18	567	168	1537.24	88	1541.85	132	1542.69	116	1537.92	59	1547.01	102	1548.37	52	1549.52	19	1550.55	10	< 1520.00								
09/29/18	558	167	1537.23	88	1541.58	130	1542.68	115	1537.91	58	1546.99	101	1548.37	50	1549.52	19	1550.55	10	< 1520.00								
09/30/18	564	165	1537.23	87	1541.60	130	1542.67	114	1537.90	58	1547.00	100	1548.36	51	1549.51	19	1550.54	9.6	< 1520.00								
Monthly Average	596	167	1536.86	87	1541.48	130	1542.38	115	1537.49	59	1546.71	101	1548.04	51	1549.18	19	1550.22	10	1520.03								
Analytical	Conc (mg/L)		Date	Conc ³ (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		9/6/2018	17		9/6/2018	11		9/6/2018	7.5		9/6/2018	4.5		9/6/2018	0.89		9/6/2018	0.036		9/6/2018	0.054		9/6/2018	1.0		9/6/2018
Hexavalent Chromium	0.0045		9/6/2018	ND		9/6/2018	ND		9/6/2018	0.0052		9/6/2018	ND		9/6/2018	ND		9/6/2018	ND		9/6/2018	ND		9/6/2018	ND		9/6/2018
Total Chromium	0.0046 J		9/6/2018	0.0014 J		9/6/2018	ND		9/6/2018	0.0058		9/6/2018	ND		9/6/2018	ND		9/6/2018	ND		9/6/2018	ND		9/6/2018	ND		9/6/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 ug/L, Cr(VI) =0.20 ug/L).
 J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
 1: Analytical results are reported from TestAmerica.
 2: On 09/04, 09/10, 09/17, and 09/24, 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: Duplicates taken on 09/06 for well PC-99R2/R3; average of both values is presented and used for calculations.
 4: A "-" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.

Table 2 - Athens Well Field (AWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System 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 ³ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)
09/01/18	388	38	1583.22	151	1581.72	19	1580.71	2.8	1579.21	62	1580.82	17	1584.80	176	1582.83	1.5	1576.32
09/02/18	388	38	1583.24	151	1581.73	18	1580.70	2.7	1579.21	62	1580.79	16	1584.69	176	1582.84	1.5	1576.32
09/03/18	391	39	1583.26	151	1581.76	19	1580.74	2.8	1579.21	63	1580.82	16	1584.72	176	1582.86	1.5	1576.32
09/04/18 ²	275	39	1583.28	150	1581.78	19	1580.76	2.9	1579.21	64	1580.99	10	1584.74	174	1582.88	1.5	1576.32
09/05/18	392	38	1583.33	151	1581.83	19	1580.79	3.5	1579.21	63	1581.06	17	1584.80	177	1582.92	1.5	1576.32
09/06/18	391	39	1583.43	150	1581.92	20	1580.85	2.8	1579.21	62	1581.35	15	1584.83	178	1583.00	1.5	1576.32
09/07/18	400	38	1583.52	151	1582.02	19	1580.92	2.8	1579.21	63	1580.61	17	1584.66	179	1583.08	1.5	1576.32
09/08/18	401	38	1583.60	150	1582.10	20	1580.98	2.8	1579.21	63	1580.51	18	1584.63	181	1583.14	1.5	1576.32
09/09/18	403	39	1583.68	152	1582.18	20	1581.03	2.8	1579.21	63	1580.51	18	1584.63	180	1583.21	1.5	1576.32
09/10/18 ²	308	39	1583.76	149	1582.26	24	1581.08	3.3	1579.22	62	1580.56	18	1584.63	182	1583.27	1.5	1576.32
09/11/18	408	39	1583.53	151	1582.30	20	1581.12	3.5	1579.23	63	1580.51	19	1584.63	180	1582.98	1.5	1576.32
09/12/18	410	38	1583.59	151	1582.36	21	1581.17	2.7	1579.23	63	1580.50	19	1584.63	180	1583.04	1.5	1576.32
09/13/18	409	38	1583.64	151	1582.40	21	1581.20	3.5	1579.23	62	1580.56	19	1584.63	180	1583.08	1.5	1576.32
09/14/18	409	38	1583.67	151	1582.44	21	1581.23	3.5	1579.22	63	1580.56	18	1584.63	181	1583.11	1.5	1576.33
09/15/18	409	38	1583.71	152	1582.47	21	1581.26	2.8	1579.22	62	1580.64	19	1584.66	181	1583.14	1.5	1576.33
09/16/18	409	39	1583.75	152	1582.50	21	1581.29	3.5	1579.22	62	1580.71	19	1584.66	181	1583.17	1.5	1576.35
09/17/18 ²	413	38	1583.77	153	1582.53	17	1581.31	3.4	1579.22	64	1580.75	17	1584.69	179	1583.20	1.5	1576.44
09/18/18	341	39	1583.78	152	1582.54	21	1581.31	3.5	1579.22	63	1580.82	19	1584.66	180	1583.21	1.5	1576.35
09/19/18	411	38	1583.80	151	1582.56	21	1581.33	3.5	1579.21	63	1580.85	18	1584.69	180	1583.23	1.5	1576.31
09/20/18	411	38	1583.82	152	1582.58	21	1581.35	3.4	1579.21	62	1580.85	19	1584.69	180	1583.24	1.5	1576.33
09/21/18	411	39	1583.84	151	1582.60	21	1581.36	2.8	1579.21	62	1580.93	19	1584.69	181	1583.26	1.5	1576.35
09/22/18	415	39	1583.84	154	1582.60	22	1581.37	3.5	1579.21	64	1580.95	19	1584.72	183	1583.26	1.5	1576.40
09/23/18	405	38	1583.83	151	1582.59	22	1581.37	3.5	1579.21	61	1580.96	18	1584.72	180	1583.26	1.5	1576.43
09/24/18 ²	438	39	1583.83	149	1582.59	21	1581.37	3.5	1579.21	64	1580.96	20	1584.72	177	1583.26	1.5	1576.39
09/25/18	411	39	1583.85	153	1582.61	22	1581.38	3.5	1579.21	64	1581.00	19	1584.73	182	1583.27	1.5	1576.33
09/26/18	411	39	1583.88	152	1582.63	21	1581.39	3.4	1579.21	63	1581.09	19	1584.72	180	1583.29	1.5	1576.33
09/27/18	411	38	1583.90	151	1582.66	22	1581.41	3.5	1579.21	63	1581.10	19	1584.72	180	1583.32	1.5	1576.39
09/28/18	413	38	1583.92	152	1582.68	22	1581.43	3.5	1579.21	63	1581.11	18	1584.72	181	1583.33	1.5	1576.32
09/29/18	410	39	1583.91	152	1582.67	21	1581.43	3.5	1579.21	63	1581.11	19	1584.74	181	1583.33	1.5	1576.39
09/30/18	311	38	1583.92	152	1582.67	21	1581.43	3.4	1579.21	62	1581.14	19	1584.77	182	1583.33	1.5	1576.32
Monthly Average	393	39	1583.67	151	1582.34	21	1581.17	3.2	1579.21	63	1580.84	18	1584.70	180	1583.14	1.5	1576.34
Analytical	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	23	9/11/2018	14	9/11/2018	190	9/11/2018	130	9/11/2018	170	9/11/2018	96	9/11/2018	86	9/11/2018	71	9/11/2018	
Hexavalent Chromium	ND	9/11/2018	0.0064	9/11/2018	0.37	9/11/2018	0.17	9/11/2018	0.72	9/11/2018	0.58	9/11/2018	0.095	9/11/2018	0.060	9/11/2018	
Total Chromium	ND	9/11/2018	0.0068	9/11/2018	0.34	9/11/2018	0.16	9/11/2018	0.69	9/11/2018	0.56	9/11/2018	0.092	9/11/2018	0.055	9/11/2018	

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (ClO₄ = 0.5 ug/L; ClO₂ = 10 ug/L; NO₂-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 09/04, 09/10, 09/17, and 09/24, 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: Beginning 09/01, ART-4 flow data was calculated using totalizer data, after confirming the accuracy of totalizer output adjustments during the previous month.
 4: Duplicates taken on 09/11 for well ART-7B; average of both values is presented and used for calculations.
 5: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 09/01-09/30 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System 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 (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 ¹ (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{6,7,8,9} (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	
09/01/18	0.23	1721.15	1.0	1708.15	0.00	1718.86	0.00	1723.43	0.00	1734.28	0.42	1709.01	3.0	1707.62	1.1	1705.87	1.1	1713.21	3.4	1708.43	
09/02/18	0.23	1721.25	1.0	1707.32	0.00	1718.85	0.00	1723.41	0.00	1734.31	0.42	1708.90	3.0	1707.61	1.1	1706.98	1.0	1713.59	3.4	1707.80	
09/03/18	0.23	1721.35	1.0	1707.65	0.00	1718.86	0.00	1723.38	0.00	1734.33	0.42	1709.17	3.0	1707.61	1.1	1706.12	0.91	1716.70	3.5	1708.16	
09/04/18 ²	0.22	1721.32	1.0	1707.25	0.00	1718.87	0.00	1723.40	0.00	1734.36	0.43	1709.07	2.8	1707.61	1.0	1711.94	0.50	1717.14	3.5	1708.07	
09/05/18 ³	0.21	1722.41	0.93	1707.26	0.00	1719.00	0.00	1723.39	0.00	1734.39	0.41	1710.27	2.8	1707.61	1.0	1711.77	0.80	1708.45	3.6	1715.63	
09/06/18	0.24	1721.36	1.0	1707.28	0.00	1718.98	0.00	1723.39	0.00	1734.41	0.44	1709.06	3.1	1707.61	1.2	1705.69	1.2	1708.44	3.8	1708.23	
09/07/18	0.24	1721.14	1.0	1707.32	0.00	1718.95	0.00	1723.39	0.00	1734.44	0.42	1709.15	3.0	1707.61	1.2	1705.83	1.2	1708.44	3.7	1708.30	
09/08/18	0.23	1721.49	1.0	1707.12	0.00	1718.94	0.00	1723.40	0.00	1734.45	0.43	1709.09	3.0	1707.62	1.2	1705.76	1.2	1708.44	3.6	1708.22	
09/09/18	0.22	1721.47	1.0	1707.20	0.00	1718.93	0.00	1723.39	0.00	1734.44	0.43	1709.10	2.9	1707.62	1.2	1705.40	1.1	1708.46	3.6	1708.20	
09/10/18 ⁴	0.23	1721.77	0.97	1707.07	0.00	1718.98	0.00	1723.39	0.00	1734.43	0.44	1708.99	3.0	1707.61	0.85	1705.57	1.1	1708.45	3.5	1708.19	
09/11/18	0.24	1721.34	1.0	1707.16	0.00	1719.00	0.00	1723.38	0.00	1734.43	0.44	1709.06	3.1	1707.61	0.85	1715.90	1.2	1708.44	3.7	1708.23	
09/12/18	0.24	1721.45	1.0	1707.22	0.01	1718.98	0.00	1723.35	0.00	1734.43	0.44	1709.30	3.1	1707.61	1.1	1716.17	1.2	1708.43	3.8	1707.98	
09/13/18	0.24	1721.29	1.0	1707.17	0.00	1718.98	0.00	1723.34	0.00	1734.43	0.43	1709.33	3.1	1707.61	1.1	1705.63	1.2	1708.42	3.7	1708.10	
09/14/18	0.24	1721.32	1.0	1707.11	0.00	1718.96	0.00	1723.34	0.00	1734.45	0.43	1709.32	3.1	1707.61	1.1	1705.80	1.2	1708.43	3.7	1708.01	
09/15/18	0.23	1721.57	1.0	1707.15	0.00	1718.96	0.00	1723.34	0.00	1734.46	0.42	1709.31	3.1	1707.61	1.2	1705.88	1.2	1708.43	3.7	1708.04	
09/16/18	0.23	1721.48	0.99	1707.20	0.00	1718.96	0.00	1723.33	0.00	1734.45	0.43	1709.32	3.0	1707.61	1.2	1705.82	1.2	1708.46	3.7	1707.97	
09/17/18 ²	0.24	1721.67	1.0	1707.13	0.00	1718.96	0.00	1723.33	0.00	1734.40	0.45	1709.33	3.0	1707.61	1.2	1705.40	1.1	1708.46	4.0	1707.94	
09/18/18	0.23	1721.44	1.0	1707.17	0.00	1718.96	0.02	1723.37	0.03	1734.51	0.44	1709.32	3.0	1707.61	1.2	1705.54	1.2	1708.44	3.7	1707.92	
09/19/18	0.24	1721.44	1.0	1707.23	0.00	1718.96	0.00	1723.38	0.00	1734.48	0.43	1709.33	3.1	1707.61	1.2	1705.59	1.2	1708.46	3.8	1707.97	
09/20/18	0.23	1721.51	1.0	1707.27	0.00	1718.96	0.00	1723.34	0.00	1734.44	0.43	1709.33	3.1	1707.61	1.2	1705.48	1.2	1708.42	3.8	1708.01	
09/21/18	0.23	1721.52	1.0	1707.35	0.00	1718.96	0.00	1723.34	0.00	1734.37	0.43	1709.33	3.1	1707.61	1.2	1705.58	1.2	1708.43	3.7	1707.92	
09/22/18	0.22	1721.82	1.0	1707.27	0.00	1718.97	0.00	1723.36	0.00	1734.21	0.43	1709.33	3.0	1707.61	1.2	1705.47	1.2	1708.43	3.7	1708.03	
09/23/18	0.21	1721.94	1.0	1707.05	0.00	1718.97	0.00	1723.37	0.00	1734.02	0.41	1709.33	3.1	1707.61	1.2	1705.53	1.2	1708.43	3.7	1708.11	
09/24/18 ²	0.10	1722.04	1.0	1707.29	0.00	1718.97	0.00	1723.66	0.00	1733.81	0.42	1709.34	3.0	1707.61	1.2	1705.58	1.2	1708.43	4.0	1708.36	
09/25/18	0.21	1722.02	1.0	1707.26	0.00	1718.97	0.00	1723.33	0.00	1733.62	0.43	1709.33	3.1	1707.61	1.2	1705.58	1.2	1708.42	3.7	1708.18	
09/26/18	0.21	1721.89	1.0	1707.33	0.00	1718.97	0.00	1723.33	0.00	1733.41	0.44	1709.33	3.1	1707.61	1.2	1705.60	1.2	1708.42	3.7	1708.23	
09/27/18	0.21	1721.97	1.0	1707.26	0.00	1718.98	0.00	1723.35	0.00	1733.17	0.44	1709.33	3.1	1707.61	1.2	1705.57	1.2	1708.43	3.7	1708.17	
09/28/18	0.21	1722.01	1.0	1707.29	0.00	1718.99	0.00	1723.36	0.00	1732.96	0.43	1709.34	3.1	1707.61	1.2	1705.59	1.2	1708.43	3.7	1708.13	
09/29/18	0.21	1721.98	1.0	1707.27	0.00	1718.99	0.00	1723.35	0.00	1732.76	0.43	1709.34	3.1	1707.61	1.2	1705.48	1.2	1708.42	3.8	1708.07	
09/30/18	0.20	1722.15	1.0	1707.12	0.00	1718.99	0.00	1723.34	0.00	1732.58	0.42	1709.33	3.1	1707.61	1.2	1705.43	1.2	1708.42	3.8	1708.18	
Monthly Average	0.22	1721.62	1.0	1707.26	0.00	1718.96	0.00	1723.38	0.00	1734.11	0.43	1709.27	3.0	1707.61	1.1	1706.79	1.1	1709.33	3.7	1708.36	
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	820	9/13/2018	50	9/12/2018	87	9/12/2018	270	9/18/2018	170	9/18/2018	280	9/12/2018	540	9/12/2018	460	9/12/2018	440	9/12/2018	640	9/12/2018	
Hexavalent Chromium	0.47	9/13/2018	0.062	9/12/2018	ND	9/12/2018	2.3	9/18/2018	1.5	9/18/2018	0.16	9/12/2018	2.5	9/12/2018	4.7	9/12/2018	6.2	9/12/2018	12	9/12/2018	
Total Chromium	2.4	9/13/2018	0.061	9/12/2018	0.026	9/12/2018	2.2	9/18/2018	1.4	9/18/2018	0.22	9/12/2018	2.5	9/12/2018	4.5	9/12/2018	6.0	9/12/2018	13	9/12/2018	

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (ClO₂ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 1: Analytical results are reported from TestAmerica.
 2: On 09/04, 09/10, 09/17, and 09/24, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 09/05, IWF offline from 8:30 am to 10:30 am due to maintenance.
 4: On 09/10, IWF offline from 1:34 pm to 1:49 pm due to power outage.
 5: Beginning 09/11, I-B water levels will be provided by the transducer reading because the manual readings and transducer readings are reliably within guideline requirements.
 6: On 09/05, I-D, I-E, I-L, I-M, and I-N adjusted to meet flow target as directed by the Trust.
 7: On 09/12, I-D, I-L, I-M, I-N, I-T, and I-U adjusted to meet flow target as directed by the Trust.
 8: On 09/14, I-D, I-L, I-M, I-N, and I-U adjusted to meet flow target as directed by the Trust.
 9: On 09/20, I-D, I-L, I-M, I-N, and I-U adjusted to meet flow target as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																					
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P		
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{4,7,8,9,10} (gpm)	Water Elevation (ft amsl)	Flow ^{4,7,8,9,10} (gpm)	Water Elevation (ft amsl)	Flow ^{4,7,8,9,10} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	
09/01/18	0.13	1710.46	0.88	1709.18	5.2	1721.00	6.1	1712.05	3.5	1710.13	1.2	1711.37	1.9	1715.17	2.2	1715.63	1.1	1719.78	1.8	1709.46	
09/02/18	0.13	1710.31	0.87	1709.18	5.2	1720.99	6.1	1712.05	3.4	1709.74	1.2	1711.36	1.9	1716.04	2.0	1716.52	1.0	1719.68	1.7	1709.45	
09/03/18	0.13	1710.32	0.87	1709.18	5.1	1720.98	6.1	1712.05	3.4	1710.26	1.2	1711.37	1.8	1714.94	1.8	1717.90	0.93	1719.53	1.7	1709.44	
09/04/18 ²	0.21	1710.44	0.85	1709.19	5.1	1720.97	5.9	1712.05	1.5	1710.38	1.1	1711.37	1.7	1716.75	1.1	1718.25	0.86	1719.26	1.5	1709.44	
09/05/18 ³	0.10	1712.93	0.84	1709.19	4.6	1721.10	5.7	1712.05	3.2	1709.58	1.1	1712.26	1.7	1719.65	1.7	1716.81	0.90	1719.92	1.6	1709.44	
09/06/18	0.11	1712.80	0.88	1709.19	5.1	1721.01	6.1	1712.05	3.5	1710.06	1.1	1713.00	1.9	1716.32	2.3	1716.46	1.3	1719.41	1.8	1709.43	
09/07/18	0.11	1711.79	0.87	1709.20	5.0	1720.99	6.1	1712.05	3.5	1709.89	1.0	1713.96	1.8	1716.18	2.1	1716.73	1.2	1719.14	1.7	1709.44	
09/08/18	0.11	1712.00	0.87	1709.21	5.1	1721.00	6.1	1712.05	3.5	1710.13	1.1	1711.37	1.9	1716.41	2.3	1714.26	1.2	1719.20	1.7	1709.43	
09/09/18	0.12	1712.11	0.82	1709.21	5.1	1720.99	6.1	1712.05	3.5	1709.17	1.2	1711.39	1.9	1716.57	2.5	1714.80	1.1	1718.82	1.5	1709.44	
09/10/18 ⁴	0.20	1712.03	0.84	1709.22	5.1	1721.02	6.2	1712.05	3.1	1709.96	0.51	1717.85	1.7	1716.59	1.4	1717.77	1.2	1719.61	1.4	1709.50	
09/11/18	0.11	1712.41	0.88	1709.22	5.1	1721.00	6.1	1712.05	3.5	1709.77	0.52	1717.92	1.6	1717.34	1.3	1718.05	1.0	1719.55	1.6	1709.45	
09/12/18	0.11	1712.91	0.87	1709.22	5.1	1720.98	6.1	1712.05	3.5	1709.22	0.90	1711.77	1.9	1717.49	2.0	1716.36	1.1	1719.51	1.6	1709.45	
09/13/18	0.11	1712.71	0.88	1709.16	5.0	1720.97	6.1	1712.05	3.4	1710.12	1.0	1715.17	2.0	1716.14	2.1	1717.17	0.95	1719.24	1.5	1709.45	
09/14/18	0.11	1712.79	0.87	1709.16	5.1	1720.98	6.1	1712.05	3.4	1709.42	1.1	1711.37	2.0	1715.95	2.4	1714.99	0.94	1719.30	1.8	1709.62	
09/15/18	0.11	1712.85	0.88	1709.16	5.2	1720.98	6.1	1712.05	3.4	1709.91	1.2	1711.63	2.0	1716.08	2.4	1715.54	1.0	1719.38	1.7	1709.52	
09/16/18	0.11	1712.77	0.87	1709.16	5.1	1720.98	6.1	1712.05	3.4	1709.34	1.2	1711.75	2.0	1716.20	2.3	1715.98	1.1	1719.28	1.5	1709.50	
09/17/18 ²	0.17	1713.16	0.78	1709.16	5.1	1720.98	6.0	1712.05	1.9	1710.01	1.2	1711.92	1.9	1716.34	2.2	1716.32	1.2	1719.44	2.1	1709.63	
09/18/18	0.10	1713.39	0.88	1709.16	5.1	1720.99	6.1	1712.00	3.4	1710.15	1.1	1712.16	1.9	1716.30	2.2	1716.57	1.2	1719.55	1.8	1709.46	
09/19/18	0.09	1714.08	0.89	1709.16	5.1	1720.99	6.1	1712.00	3.4	1710.30	1.1	1712.36	1.9	1716.66	2.2	1716.70	1.3	1719.58	1.8	1709.45	
09/20/18	0.09	1714.07	0.91	1709.15	5.0	1720.98	6.1	1711.99	3.4	1709.99	1.1	1711.38	1.9	1716.61	2.2	1714.21	1.1	1719.30	1.7	1709.50	
09/21/18	0.08	1713.89	0.89	1709.16	5.1	1720.98	6.1	1711.99	3.4	1710.02	1.2	1711.37	2.2	1716.49	2.6	1714.47	1.0	1719.24	1.7	1709.47	
09/22/18	0.12	1713.63	0.88	1709.16	5.2	1720.99	6.1	1711.99	3.4	1709.27	1.2	1711.37	2.2	1716.19	2.5	1714.99	1.2	1719.39	1.6	1709.46	
09/23/18	0.13	1710.36	0.88	1709.16	5.2	1721.00	6.1	1711.99	3.4	1709.20	1.2	1711.38	2.1	1715.82	2.5	1715.32	1.3	1719.51	1.5	1709.62	
09/24/18 ²	0.24	1710.43	0.82	1709.16	5.1	1720.99	6.1	1711.99	4.5	1709.16	1.2	1711.38	2.1	1716.21	2.4	1715.29	0.85	1719.43	1.4	1709.64	
09/25/18	0.13	1710.42	0.86	1709.15	5.1	1720.98	6.1	1711.99	3.4	1710.05	1.2	1711.37	2.0	1716.08	2.4	1715.28	0.98	1719.33	1.7	1709.53	
09/26/18	0.13	1710.44	0.88	1709.15	5.1	1720.98	6.1	1711.99	3.4	1710.07	1.2	1712.14	2.0	1716.15	2.4	1715.47	1.1	1719.63	1.6	1709.45	
09/27/18	0.12	1710.91	0.88	1709.15	5.0	1721.00	6.1	1711.99	3.4	1710.12	1.1	1713.04	2.0	1716.32	2.4	1715.58	1.1	1719.77	1.6	1709.48	
09/28/18	0.10	1710.75	0.89	1709.16	5.0	1721.05	6.1	1711.99	3.4	1709.49	1.1	1713.02	2.0	1716.19	2.4	1715.35	1.1	1719.94	1.7	1709.46	
09/29/18	0.09	1710.51	0.88	1709.16	5.2	1721.02	6.1	1711.99	3.4	1710.04	1.1	1713.30	2.0	1716.14	2.5	1715.37	0.94	1719.90	1.5	1709.46	
09/30/18	0.09	1710.45	0.90	1709.16	5.2	1721.01	6.1	1711.99	3.4	1709.19	1.0	1714.18	2.0	1716.39	2.5	1715.62	1.0	1719.86	1.8	1709.46	
Monthly Average	0.12	1711.94	0.87	1709.17	5.1	1721.00	6.1	1712.02	3.3	1709.80	1.1	1712.51	1.9	1716.39	2.2	1715.99	1.1	1719.48	1.7	1709.48	
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 ¹¹ (mg/L)	Date	
Perchlorate	1.200	9/13/2018	1.000	9/13/2018	760	9/18/2018	330	9/18/2018	250	9/18/2018	330	9/12/2018	640	9/12/2018	520	9/12/2018	760	9/13/2018	850	9/13/2018	
Hexavalent Chromium	20	9/13/2018	15	9/13/2018	9.9	9/18/2018	3.9	9/18/2018	2.3	9/18/2018	1.4	9/12/2018	6.1	9/12/2018	6.9	9/12/2018	16	9/13/2018	15	9/13/2018	
Total Chromium	21	9/13/2018	16	9/13/2018	10	9/18/2018	3.8	9/18/2018	2.4	9/18/2018	1.4	9/12/2018	6.2	9/12/2018	6.6	9/12/2018	18	9/13/2018	17	9/13/2018	

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 09/04, 09/10, 09/17, and 09/24, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 09/05, IWF offline from 8:30 am to 10:30 am due to maintenance.
 4: On 09/10, IWF offline from 1:34 pm to 1:49 pm due to power outage.
 6: On 09/05, I-D, I-E, I-L, I-M, and I-N adjusted to meet flow target as directed by the Trust.
 7: On 09/12, I-D, I-L, I-M, I-N, I-T, and I-U adjusted to meet flow target as directed by the Trust.
 8: On 09/14, I-D, I-L, I-M, I-N, and I-U adjusted to meet flow target as directed by the Trust.
 9: On 09/20, I-D, I-L, I-M, I-N, and I-U adjusted to meet flow target as directed by the Trust.
 10: On 09/27, I-L, I-M, I-N, and I-U adjusted to meet flow target as directed by the Trust.
 11: Duplicates taken on 09/13 for well I-P; average of both values is presented and used for calculations.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System 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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ^{7 * 9 * 10} (gpm)	Water Elevation (ft amsl)	Flow ¹³ (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 ¹⁴ (ft amsl)	
09/01/18	0.43	1714.52	0.92	1710.37	1.7	1705.86	0.45	1707.61	0.76	1709.54	4.3	1717.26	0.66	1719.55	3.1	1698.36	1.3	1699.82	6.9	< 1707.89	
09/02/18	0.42	1714.52	0.95	1710.29	1.7	1705.98	0.45	1707.61	0.73	1709.70	4.2	1717.22	0.69	1701.02	3.1	1698.33	1.2	1699.61	7.1	< 1707.89	
09/03/18	0.42	1714.52	0.97	1711.05	1.7	1705.95	0.45	1707.62	0.73	1710.02	4.2	1717.24	0.66	1699.67	3.2	1698.39	1.2	1699.79	7.1	< 1707.89	
09/04/18 ²	0.46	1714.52	0.56	1710.50	1.8	1705.87	0.43	1707.62	0.73	1709.77	4.3	1717.20	0.69	1700.34	4.0	1698.37	1.2	1700.22	7.4	< 1707.89	
09/05/18 ³	0.40	1714.52	0.92	1709.45	1.6	1705.93	0.43	1707.60	0.71	1707.94	3.9	1717.57	0.68	1700.52	3.1	1698.31	1.2	1702.42	6.7	< 1707.89	
09/06/18	0.43	1714.52	0.96	1711.09	1.8	1705.86	0.45	1707.60	0.78	1709.30	4.3	1717.32	0.70	1700.34	3.3	1698.32	1.3	1700.20	7.2	< 1707.89	
09/07/18	0.42	1714.52	1.0	1710.61	1.8	1705.88	0.46	1707.61	0.71	1710.75	4.3	1717.24	0.70	1700.46	3.2	1698.30	1.3	1699.99	7.1	< 1707.89	
09/08/18	0.40	1714.52	0.99	1711.43	1.8	1705.85	0.46	1707.61	0.75	1709.43	4.3	1717.24	0.64	1700.37	3.2	1698.38	1.3	1699.75	7.0	< 1707.89	
09/09/18	0.38	1714.52	0.93	1709.58	1.8	1705.83	0.46	1707.60	0.73	1710.79	4.3	1717.20	0.59	1710.19	3.2	1698.35	1.3	1700.25	6.9	< 1707.89	
09/10/18 ⁴	0.32	1714.52	1.3	1710.94	1.9	1705.96	0.49	1707.61	0.62	1711.97	4.3	1717.35	0.61	1702.43	4.0	1698.36	1.3	1700.22	6.2	< 1707.89	
09/11/18	0.38	1714.52	1.0	1710.64	1.8	1705.97	0.46	1707.61	0.63	1712.03	4.3	1717.27	0.61	1700.53	3.3	1698.31	1.3	1700.17	7.1	< 1707.89	
09/12/18	0.41	1714.52	1.0	1710.95	1.8	1705.78	0.46	1707.61	0.72	1709.33	4.3	1717.25	0.61	1700.44	3.3	1698.39	1.3	1700.27	7.2	< 1707.89	
09/13/18	0.42	1714.52	1.2	1710.05	1.8	1705.89	0.45	1707.60	0.74	1709.82	4.3	1717.19	0.64	1700.43	3.3	1698.31	1.3	1700.30	7.2	< 1707.89	
09/14/18	0.43	1714.52	1.1	1711.11	1.8	1705.77	0.45	1707.59	0.78	1712.11	4.3	1717.22	0.67	1700.36	3.3	1698.28	1.3	1700.22	7.2	< 1707.89	
09/15/18	0.42	1714.52	1.1	1710.91	1.8	1705.85	0.45	1707.58	0.78	1708.97	4.3	1717.21	0.69	1700.42	3.3	1698.28	1.3	1700.29	7.2	< 1707.89	
09/16/18	0.42	1714.52	1.1	1710.73	1.8	1705.80	0.45	1707.58	0.76	1709.35	4.2	1717.19	0.63	1700.47	3.3	1698.27	1.3	1700.26	7.1	< 1707.89	
09/17/18 ²	0.36	1714.52	0.62	1710.23	1.9	1705.93	0.47	1707.58	0.73	1709.96	4.3	1717.19	0.46	1700.38	2.8	1698.38	1.4	1699.79	6.9	< 1707.89	
09/18/18	0.43	1714.52	1.0	1710.62	1.8	1705.98	0.46	1707.59	0.72	1709.55	4.3	1717.21	0.48	1700.37	3.3	1698.29	1.3	1699.90	7.2	< 1707.89	
09/19/18	0.43	1714.52	1.1	1709.63	1.8	1705.94	0.46	1707.59	0.74	1709.81	4.3	1717.22	0.47	1700.42	3.3	1698.28	1.3	1700.09	7.2	< 1707.89	
09/20/18	0.42	1714.52	1.1	1710.42	1.8	1706.00	0.46	1707.57	0.74	1717.16	4.3	1717.16	0.51	1700.46	3.3	1698.29	1.3	1700.10	7.2	< 1707.89	
09/21/18	0.42	1714.52	1.0	1709.19	1.8	1705.97	0.45	1707.58	0.81	1708.37	4.3	1717.18	0.59	1700.40	3.3	1698.29	1.3	1700.07	7.2	< 1707.89	
09/22/18	0.42	1714.52	0.99	1711.21	1.8	1706.02	0.45	1707.58	0.79	1708.52	4.3	1717.19	0.67	1700.45	3.3	1698.27	1.3	1700.11	7.2	< 1707.89	
09/23/18	0.42	1714.52	0.96	1711.02	1.8	1705.98	0.45	1707.60	0.78	1708.56	4.2	1717.22	0.68	1703.04	3.3	1698.35	1.3	1699.95	7.2	< 1707.89	
09/24/18 ²	0.38	1714.52	1.0	1710.84	2.0	1706.17	0.54	1707.57	0.78	1708.89	4.3	1717.20	0.53	1702.43	3.4	1698.27	1.4	1700.24	6.9	< 1707.89	
09/25/18	0.42	1714.52	0.95	1710.65	1.8	1706.04	0.45	1707.59	0.76	1709.00	4.3	1717.16	0.55	1702.43	3.3	1698.27	1.3	1700.15	7.2	< 1707.89	
09/26/18	0.42	1714.51	1.0	1709.55	1.8	1706.08	0.45	1707.59	0.76	1709.17	4.3	1717.18	0.41	1702.45	3.3	1698.27	1.3	1700.08	7.2	< 1707.89	
09/27/18	0.42	1714.51	1.1	1711.19	1.8	1706.10	0.45	1707.58	0.72	1710.05	4.3	1717.22	0.40	1717.34	3.3	1698.38	1.3	1700.13	7.2	< 1707.89	
09/28/18	0.42	1714.52	0.96	1709.18	1.8	1706.03	0.46	1707.59	0.74	1709.38	4.1	1717.42	0.47	1702.43	3.3	1698.38	1.3	1700.17	7.2	< 1707.89	
09/29/18	0.42	1714.52	0.97	1711.20	1.8	1706.18	0.46	1707.57	0.76	1709.41	4.3	1717.36	0.46	1701.18	3.3	1698.32	1.3	1700.07	7.2	< 1707.89	
09/30/18	0.42	1714.52	1.0	1710.71	1.8	1705.17	0.46	1707.57	0.74	1709.53	4.2	1717.34	0.49	1717.18	3.3	1698.30	1.3	1700.05	7.2	< 1707.89	
Monthly Average	0.41	1714.52	0.99	1710.51	1.8	1705.92	0.46	1707.59	0.74	1709.49	4.3	1717.25	0.59	1702.95	3.3	1698.32	1.3	1700.15	7.1	< 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	740	9/13/2018	720	9/12/2018	430	9/12/2018	1,300	9/13/2018	1,200	9/13/2018	700	9/18/2018	780	9/13/2018	1,000	9/12/2018	610	9/12/2018	360	9/18/2018	
Hexavalent Chromium	16	9/13/2018	0.71	9/12/2018	1.6	9/12/2018	19	9/13/2018	18	9/13/2018	14	9/18/2018	15	9/13/2018	9.3	9/12/2018	1.2	9/12/2018	8.3	9/18/2018	
Total Chromium	16	9/13/2018	0.73	9/12/2018	1.6	9/12/2018	20	9/13/2018	21	9/13/2018	14	9/18/2018	18	9/13/2018	10	9/12/2018	1.2	9/12/2018	8.6	9/18/2018	

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 09/04, 09/10, 09/17, and 09/24, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 09/05, IWF offline from 8:30 am to 10:30 am due to maintenance.
 4: On 09/10, IWF offline from 1:34 pm to 1:49 pm due to power outage.
 7: On 09/12, I-D, I-L, I-M, I-N, I-T, and I-U adjusted to meet flow target as directed by the Trust.
 8: On 09/14, I-D, I-L, I-M, I-N, and I-U adjusted to meet flow target as directed by the Trust.
 9: On 09/20, I-D, I-L, I-M, I-N, and I-U adjusted to meet flow target as directed by the Trust.
 10: On 09/27, I-L, I-M, I-N, and I-U adjusted to meet flow target as directed by the Trust.
 12: On 09/10, I-Q offline briefly due to maintenance.
 13: On 09/28, I-V offline briefly due to maintenance.
 14: A "<" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent ¹				GW-11 Influent ¹				FBR Plant Influent ¹						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow ⁴ (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow ⁵ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₂ (mg/L)	TA - NO ₂ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
09/01/18	929	56				0.00				1,051	120	119				
09/02/18	930	57				0.00				1,055		114				
09/03/18	934	56				0.00				1,021		121				
09/04/18 ³	965	55				0.00				1,025		113	150	10	0.018	0.014
09/05/18	940	50				0.00				1,009		121				
09/06/18	936	56	0.22	ND	700	4.8	0.073	0.039	58	1,013		116				
09/07/18	942	57				0.00				1,000		120				
09/08/18	945	61				0.00				1,031	120	121				
09/09/18	948	61				0.00				1,026		112				
09/10/18 ³	1,057	65				0.00				1,135		105		9.8	0.030	0.016
09/11/18	953	58				0.00				1,040		113				
09/12/18	960	55	0.20	0.00028 J	600	0.00				1,028		104				
09/13/18	954	56				0.00				1,010		118				
09/14/18	954	56				0.00				1,009		108				
09/15/18	954	56				0.00				1,027	120	97				
09/16/18	956	58				0.00				1,018		109				
09/17/18	955	62				0.00				1,017		101		10	0.021	0.021
09/18/18 ³	925	64				0.00				989		112				
09/19/18	971	65	0.19	ND	630	0.00				1,036		110				
09/20/18	964	64				0.00				1,054		109				
09/21/18	957	65				0.00				1,040		110				
09/22/18	968	57				0.00				1,055	100	93				
09/23/18	943	57				0.00				1,025		103				
09/24/18 ³	982	56				0.00				1,040		105				
09/25/18	957	56				0.00				1,025		104		11	0.032	0.029
09/26/18	955	56	0.26	ND	620	0.00				1,024		93				
09/27/18	958	55				0.00				1,013		122				
09/28/18	962	56				0.00				1,032		115				
09/29/18	954	56				0.00				1,035	130	96				
09/30/18	949	56				0.00				1,028		105				
Monthly Average ²	955	58	0.22	0.000066	638	0.16	0.073	0.039	58	1,030	117	110	150	10	0.026	0.021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.
 ND = Not detected above laboratory method detection limit (ClO₂ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₂-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.
 3: On 09/04, 09/10, 09/18, and 09/24, the LS #2 totalizers was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 4: 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.
 5: From 09/01 to 09/30, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics														
Date	1st Stage FBR ⁶			2nd Stage FBR ⁶			FBR Plant Effluent ⁷							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁷ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (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)
09/01/18	1,113	6.6	-343	872	6.7	-364	1,103	ND	ND					9
09/02/18	1,109	6.6	-385	903	6.7	-368	1,101	ND	ND					13
09/03/18	1,066	6.6	-391	886	6.7	-366	803	ND	ND					14
09/04/18	1,044	6.6	-377	877	6.7	-370	1,042		ND	ND	ND	ND		7
09/05/18	1,063	6.6	-370	895	6.7	-371	768		ND					7
09/06/18	1,061	6.7	-394	834	6.7	-374	1,054		ND					7
09/07/18	1,046	6.7	-402	906	6.7	-377	1,042		ND					6
09/08/18	1,088	6.8	-400	882	6.7	-380	818	ND	ND					6
09/09/18	1,098	6.8	-410	887	6.7	-384	1,074		ND					8
09/10/18	1,119	6.7	-319	922	6.7	-353	1,041		ND		0.0037 J	ND	ND	18
09/11/18	1,097	6.7	-360	889	6.7	-364	1,089		ND					6
09/12/18	1,076	6.7	-353	864	6.7	-369	896		ND					6
09/13/18	1,061	6.7	-381	866	6.7	-374	1,059		ND					7
09/14/18	1,049	6.7	-397	799	6.7	-377	1,044		ND					6
09/15/18	1,076	6.8	-407	854	6.7	-380	1,058	ND	ND					5
09/16/18	1,067	6.8	-408	870	6.7	-383	796		ND					5
09/17/18	1,054	6.7	-339	843	6.7	-385	1,046		ND		0.0026 J	ND	ND	8
09/18/18	1,043	6.6	-314	829	6.7	-386	1,036		ND					10
09/19/18	1,109	6.5	-372	890	6.7	-386	784		ND					11
09/20/18	1,118	6.8	-374	900	6.7	-387	1,095		ND					7
09/21/18	1,109	6.9	-382	899	6.7	-385	1,080		ND					3
09/22/18	1,099	6.9	-386	852	6.8	-387	1,094	ND	ND					3
09/23/18	1,092	6.9	-395	844	6.8	-388	1,087		ND					8
09/24/18	1,092	6.9	-382	865	6.8	-389	831		ND		0.0031 J	ND	ND	10
09/25/18	1,082	6.6	-371	868	6.8	-390	1,080		ND					10
09/26/18	1,078	6.6	-367	850	6.8	-392	1,069		ND					6
09/27/18	1,068	6.7	-402	856	6.8	-392	1,064		ND					6
09/28/18	1,087	6.9	-406	854	6.8	-390	1,041		ND					4
09/29/18	1,095	6.9	-412	896	6.8	-390	1,084	ND	ND					3
09/30/18	1,089	6.8	-406	773	6.9	-392	820		ND					5
Monthly Average ²	1,082	6.7	-380	868	6.7	-380	1,000	ND	ND	ND	0.0025	ND	ND	7

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.

ND = Not detected above laboratory method detection limit (ClO₂ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-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.

6: 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.

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

GW-11 Level Monitoring		
Date	Field Measurement (ft)	Volume (MG)
09/15/18	31.7	34.4
09/30/18	31.4	34.8

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ¹ (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
09/12/18	7	2,569	727	23
09/26/18	0	2,333	694	23

GW-11 Composite Sample ²		
Analytes	Concentration	Units
Perchlorate	1.4	mg/L
Chlorate	1600	mg/L
Ammonia as N	0.12 J	mg/L
Total Phosphorus	ND	mg/L
Total Dissolved Solids (TDS)	10,000	mg/L
Total Suspended Solids (TSS)	42	mg/L
pH	8.4 HF	s.u.
Calcium	440	mg/L
Iron	0.42	mg/L
Chromium (total)	0.046	mg/L
Chromium VI	ND	mg/L
Chloride	3,200	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,700	mg/L

Notes:

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

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

ND = Not detected above laboratory method detection limit (NH₃-N = 0.1 mg/L; Total P = 0.025 ug/L; Cr(VI) = 0.25 ug/L).

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

2: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: August 13, 2018.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics						
Date	Flow ¹ (gpm)	FBR Influent Concentration			Influent Function Load ³ (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO ₄ ² (mg/L)	NO ₃ as N (mg/L)	ClO ₃ (mg/L)		
Oct 2017	1,060	180	11	130	821	778
Nov 2017	1,042	279	11	130	1,030	821
Dec 2017	1,070	259	12	150	1,072	880
Jan 2018	1,031	249	13	150	1,021	920
Feb 2018	1,057	269	13	150	1,090	973
Mar 2018	1,094	168	13	130	836	978
Apr 2018	1,079	91	13	120	624	945
May 2018	1,044	116	12	150	719	894
June 2018	1,037	133	11	160	765	843
July 2018	1,028	113	11	150	691	788
Aug 2018	1,005	106	11	140	633	711
Sep 2018	1,030	117	10	150	691	687

Notes:

Concentrations and flow are presented as monthly average.

1: Flow used in loading calculation is average monthly FBR effluent flow to be consistent with historical loading calculations.

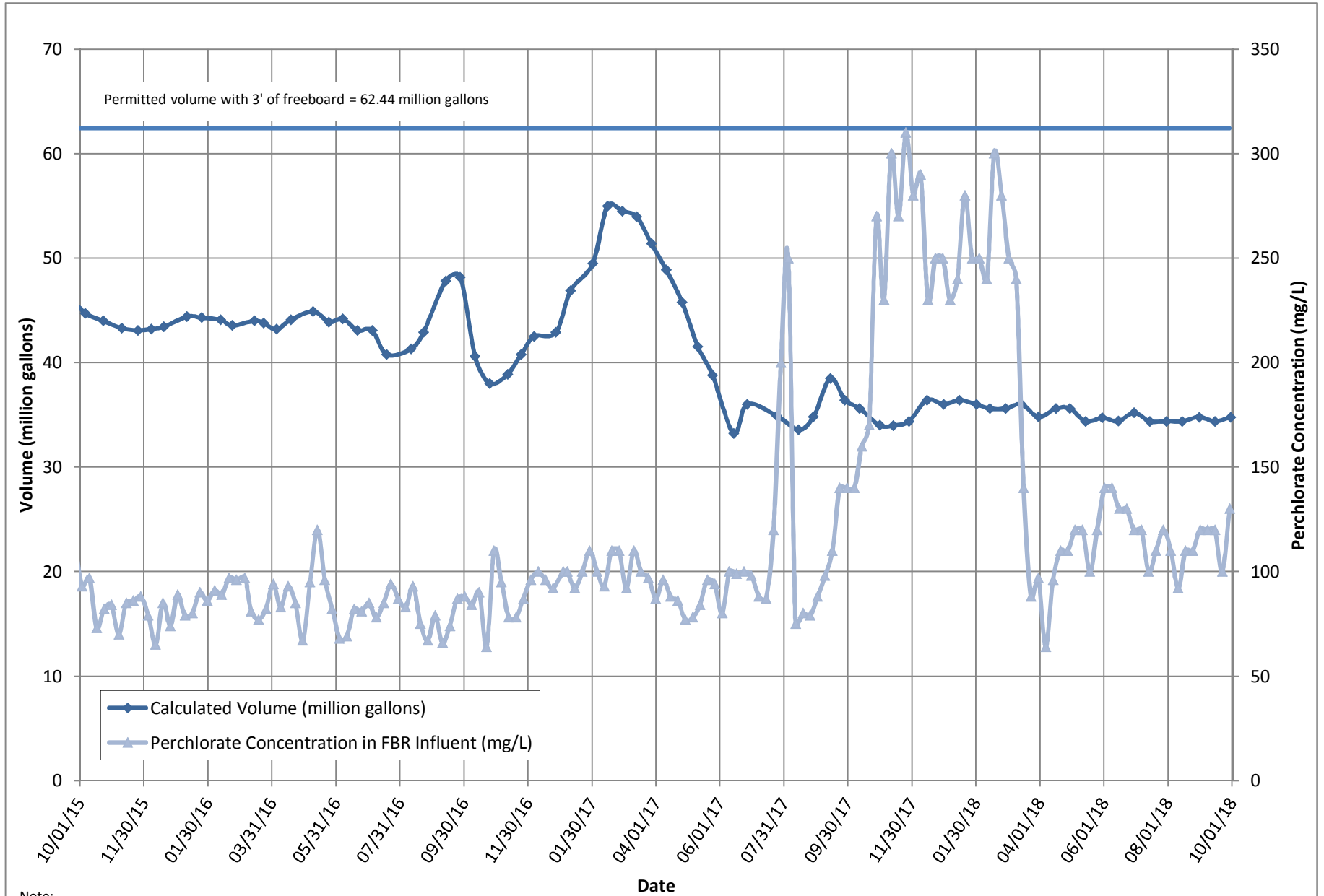
2: Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased on March 13, 2018 to prepare for the lower seasonal ammonia permit limits beginning April 1.

3: FBR loading calculated as $[(0.9 \times \text{NO}_3 \text{ as N} + 0.17 \times \text{ClO}_3 + 0.18 \times \text{ClO}_4) \times \text{Flow} \times 1440 / 1000000 \times 8.34]$.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E1-1		E1-2		E1-3		E2-1		E2-2		E2-3		E2-4		E2-5	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
09/01/18	2.3	1711.28	1.1	1709.64	0.46	1710.62	0.84	1712.77	1.3	1712.86	1.1	1716.75	1.2	1714.48	0.35	1715.20
09/02/18	2.3	1711.31	1.2	1709.59	0.49	1710.44	0.83	1713.67	1.3	1713.31	1.0	1717.25	1.1	1716.92	0.35	1714.27
09/03/18	2.3	1710.21	1.1	1709.51	0.48	1711.52	0.83	1713.88	1.3	1712.95	1.0	1717.50	1.1	1715.82	0.34	1714.21
09/04/18	2.2	1711.42	1.1	1709.65	0.47	1710.42	0.84	1715.03	1.3	1713.87	1.0	1718.15	1.1	1718.13	0.34	1716.11
09/05/18 ²	2.2	1711.44	1.2	1709.56	0.48	1710.32	0.82	1715.12	1.2	1714.02	1.2	1715.66	1.1	1717.46	0.30	1717.22
09/06/18	1.5	1711.03	0.66	1709.66	0.28	1710.02	0.42	1718.82	0.72	1716.52	0.56	1722.44	0.32	1725.50	0.33	1725.60
09/07/18	2.3	1711.37	1.2	1709.75	0.49	1710.24	0.88	1715.15	1.2	1715.94	1.4	1709.63	0.77	1720.46	0.28	1707.26
09/08/18	2.3	1711.25	1.1	1709.99	0.46	1710.48	0.88	1714.27	1.3	1714.80	1.3	1715.35	1.1	1717.53	0.59	1708.20
09/09/18	2.3	1710.87	1.2	1709.58	0.48	1714.34	0.89	1714.29	1.3	1713.95	1.3	1715.95	1.1	1717.79	0.06	1721.24
09/10/18	2.3	1711.43	1.2	1710.37	0.48	1714.60	0.85	1715.72	1.3	1713.88	1.2	1716.24	1.1	1717.96	0.45	1712.82
09/11/18	2.3	1711.36	1.1	1710.48	0.52	1713.49	0.83	1715.82	1.2	1716.10	1.0	1720.35	0.91	1722.00	0.11	1724.42
09/12/18	2.3	1711.46	1.1	1710.56	0.49	1713.53	0.84	1715.44	1.2	1715.15	1.3	1715.58	1.1	1716.57	0.50	1707.75
09/13/18	2.3	1713.03	1.1	1710.66	0.48	1710.72	0.82	1715.77	1.2	1714.73	1.2	1716.17	1.3	1716.41	0.13	1720.07
09/14/18	2.2	1711.57	1.1	1710.94	0.49	1710.68	0.82	1715.86	1.2	1714.47	1.3	1714.34	1.5	1711.73	0.31	1716.90
09/15/18	2.2	1711.72	1.1	1710.79	0.50	1710.74	0.86	1715.58	1.2	1714.58	1.3	1714.53	1.3	1714.15	0.30	1716.64
09/16/18	2.2	1711.86	1.1	1710.65	0.50	1710.89	0.87	1715.70	1.2	1714.50	1.3	1714.64	1.3	1716.83	0.28	1717.06
09/17/18	2.2	1711.93	1.1	1710.70	0.49	1710.78	0.85	1715.33	1.2	1714.67	1.3	1716.55	1.3	1715.71	0.26	1718.15
09/18/18	2.2	1711.39	1.1	1710.76	0.49	1710.82	0.84	1715.86	1.2	1714.37	1.3	1715.94	1.3	1715.90	0.40	1714.57
09/19/18	2.3	1711.34	1.1	1710.82	0.49	1710.78	0.93	1709.82	1.2	1715.02	1.1	1718.84	1.3	1715.50	0.38	1714.82
09/20/18	2.3	1711.45	1.1	1710.88	0.50	1710.86	0.81	1716.32	1.2	1715.32	1.0	1719.18	1.2	1716.97	0.32	1717.17
09/21/18	2.1	1712.26	1.1	1710.58	0.48	1710.52	0.90	1715.42	1.3	1714.87	0.84	1714.92	1.3	1715.93	0.44	1716.40
09/22/18	2.4	1712.33	1.1	1710.84	0.54	1710.72	0.96	1714.96	1.4	1714.91	0.82	1715.17	1.3	1716.17	0.45	1715.44
09/23/18	2.0	1711.10	1.1	1708.96	0.48	1710.69	0.83	1715.66	1.3	1714.59	0.31	1725.06	1.3	1717.06	0.43	1712.17
09/24/18	2.2	1711.53	1.1	1710.46	0.51	1710.82	0.87	1715.22	1.3	1715.23	0.31	1724.44	1.3	1717.33	0.47	1708.29
09/25/18	2.2	1711.53	1.1	1710.76	0.49	1710.64	0.88	1714.61	1.3	1714.93	0.88	1722.74	1.3	1716.90	0.20	1719.48
09/26/18	2.2	1711.55	1.1	1711.06	0.51	1710.72	0.87	1714.87	1.3	1714.89	0.85	1720.77	1.4	1716.06	0.30	1718.54
09/27/18	2.2	1711.67	1.1	1711.25	0.61	1710.88	0.88	1714.02	1.3	1714.03	0.89	1720.50	1.3	1715.79	0.43	1714.51
09/28/18	2.2	1711.63	1.0	1710.85	0.51	1710.77	0.82	1714.36	1.2	1714.14	0.74	1720.45	1.3	1715.83	0.37	1714.92
09/29/18	2.2	1711.51	1.0	1710.66	0.50	1710.71	0.86	1714.56	1.2	1714.12	0.82	1718.95	1.3	1715.69	0.36	1715.16
09/30/18	2.4	1711.39	1.2	1710.76	0.36	1710.94	0.84	1712.82	1.3	1715.37	0.24	1726.03	1.2	1717.62	0.42	1712.20
Monthly Average	2.2	1711.51	1.1	1710.36	0.48	1711.13	0.84	1714.89	1.2	1714.61	1.0	1718.00	1.2	1716.94	0.34	1715.56
Analytical	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	630	9/19/2018	1,700	9/19/2018	800	9/19/2018	160	9/19/2018	490	9/19/2018	905	9/19/2018	1,300	9/19/2018	1,900	9/19/2018
Hexavalent Chromium	0.041	9/19/2018	0.15	9/19/2018	0.35	9/19/2018	0.032	9/19/2018	0.029	9/19/2018	0.026	9/19/2018	0.029	9/19/2018	0.099	9/19/2018
Total Chromium	0.040	9/19/2018	0.16	9/19/2018	0.36	9/19/2018	0.032	9/19/2018	0.030	9/19/2018	0.028	9/19/2018	0.031	9/19/2018	0.11	9/19/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 The flow rate at individual wells is adjusted daily to maintain the water level in the wells above the pump.
 1: Analytical results are reported from TestAmerica.
 2: On 09/05, the AP Area well totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: Duplicates taken on 09/19 for well E2-3; average of both values is presented and used for calculations.

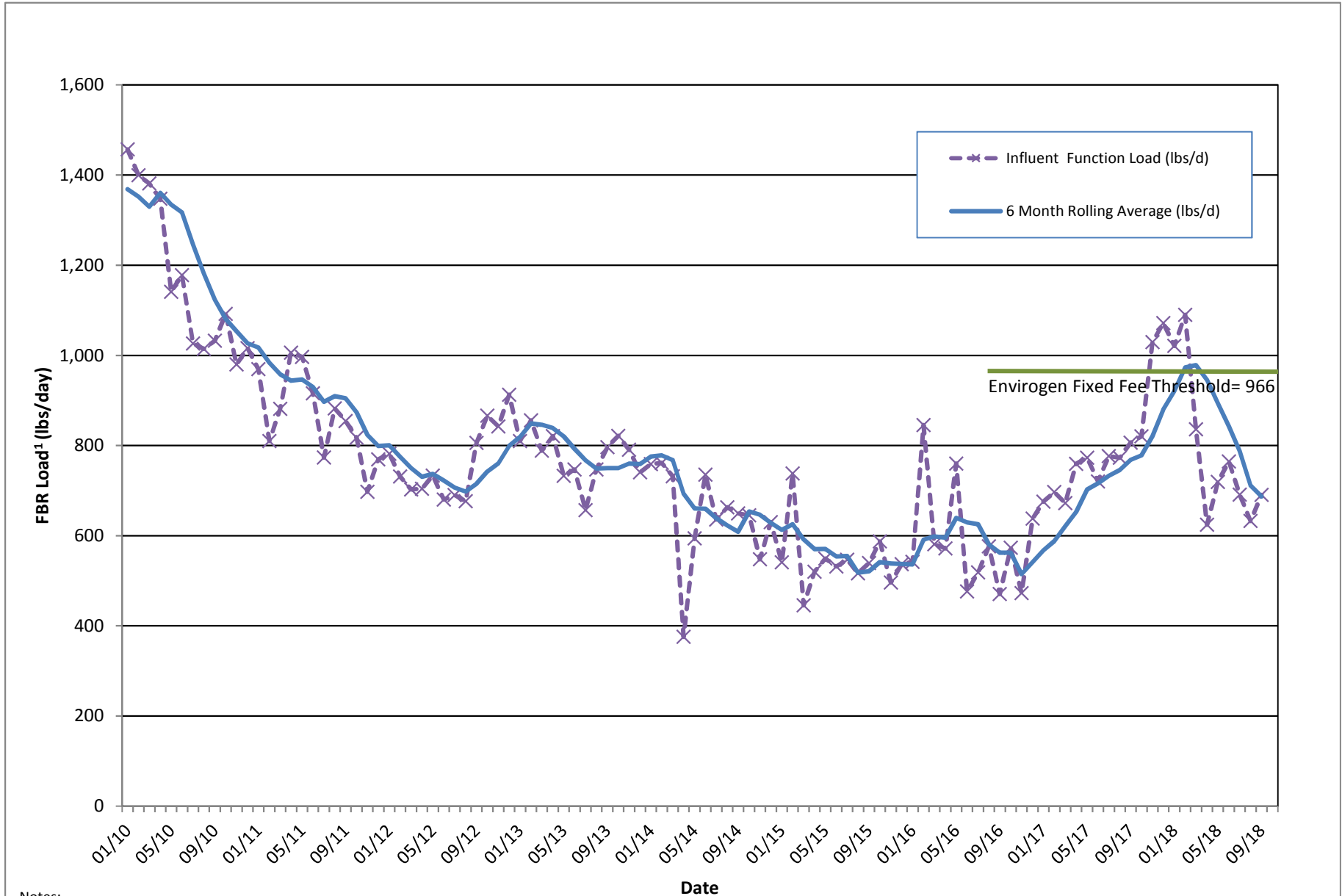
Figure 1 - GW-11 Pond Volume and FBR Influent Perchlorate Concentration



Note:

1. Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased on March 13, 2018 to prepare for the lower seasonal ammonia permit limits beginning April 1.

Figure 2 - FBR Equivalent Loading Calculation



Notes:

1: FBR Load calculated as $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$

2. Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased on March 13, 2018 to prepare for the lower seasonal ammonia permit limits beginning April 1.