

Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	LS #1	PC-116R (East Well)		PC-99R2/R3 (Center Well)		PC-115R (West Well)		PC-117		PC-118		PC-119		PC-120		PC-121		PC-133		
	Flow (gpm)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	
08/01/20	567	163	1536.35	90	1541.93	130	1541.55	109	1536.97	71	1546.58	102	1547.66	51	1548.79	20	1549.77	9.0	1525.67	
08/02/20	566	165	1536.34	90	1541.38	131	1541.53	109	1536.95	72	1546.58	102	1547.65	50	1548.78	20	1549.76	9.0	1525.70	
08/03/20	560	165	1536.33	90	1541.43	130	1541.53	109	1536.96	72	1546.58	102	1547.64	50	1548.77	21	1549.75	9.0	1525.65	
08/04/20	556	164	1536.32	90	1541.72	131	1541.51	109	1536.94	72	1546.57	103	1547.63	50	1548.76	20	1549.74	9.0	1525.74	
08/05/20	555	164	1536.29	90	1541.08	130	1541.50	110	1536.92	71	1546.55	102	1547.62	51	1548.75	20	1549.73	9.7	1525.67	
08/06/20	559	164	1536.27	90	1541.67	131	1541.49	109	1536.93	72	1546.53	102	1547.60	50	1548.74	20	1549.71	9.0	1525.66	
08/07/20	558	165	1536.26	90	1541.25	131	1541.48	109	1536.90	71	1546.51	102	1547.59	50	1548.73	20	1549.70	9.0	1525.59	
08/08/20	560	164	1536.25	90	1541.51	130	1541.46	109	1536.90	72	1546.49	103	1547.59	51	1548.72	20	1549.69	9.0	1525.71	
08/09/20	558	165	1536.24	90	1541.87	131	1541.47	109	1536.87	72	1546.49	102	1547.58	50	1548.71	20	1549.69	9.0	1525.64	
08/10/20 <sup>2</sup>	558	164	1536.23	90	1541.65	130	1541.48	109	1536.86	71	1546.49	102	1547.59	50	1548.72	20	1549.70	9.1	1525.73	
08/11/20	538	164	1536.88	90	1541.40	131	1541.47	109	1536.88	72	1546.50	103	1547.60	50	1548.73	20	1549.71	9.0	1525.66	
08/12/20	583	164	1536.25	90	1541.37	130	1541.49	109	1536.86	72	1546.51	102	1547.61	50	1548.74	21	1549.72	9.0	1525.67	
08/13/20	560	165	1536.25	90	1541.33	131	1541.49	109	1536.87	72	1546.52	102	1547.63	51	1548.76	20	1549.74	9.0	1525.62	
08/14/20	559	164	1536.27	90	1541.85	130	1541.52	109	1536.87	71	1546.51	102	1547.64	50	1548.77	20	1549.75	9.0	1525.66	
08/15/20	560	165	1536.26	90	1541.52	131	1541.51	109	1536.86	71	1546.53	103	1547.64	50	1548.78	20	1549.76	9.0	1525.75	
08/16/20	559	164	1536.26	90	1541.60	131	1541.51	110	1536.87	72	1546.52	102	1547.65	50	1548.78	20	1549.76	9.0	1525.75	
08/17/20 <sup>2</sup>	560	164	1536.26	90	1541.38	130	1541.52	109	1536.87	71	1546.51	102	1547.65	50	1548.78	20	1549.76	9.0	1525.69	
08/18/20	557	164	1536.25	90	1541.57	131	1541.51	109	1536.86	72	1546.52	102	1547.65	50	1548.78	20	1549.76	9.0	1525.70	
08/19/20	553	165	1536.25	90	1540.95	131	1541.52	109	1536.86	72	1546.53	102	1547.65	50	1548.78	20	1549.76	9.0	1525.81	
08/20/20	533	161	1536.39	83	1541.26	128	1541.69	108	1537.00	71	1546.56	101	1547.66	50	1548.80	20	1549.77	9.0	1526.21	
08/21/20	563	165	1536.33	89	1541.73	131	1541.69	109	1536.96	72	1546.54	103	1547.65	50	1548.78	20	1549.75	9.0	1525.99	
08/22/20	554	164	1536.32	89	1541.30	131	1541.67	109	1536.95	71	1546.51	102	1547.64	50	1548.77	21	1549.75	9.0	1526.00	
08/23/20	568	165	1536.30	89	1541.21	130	1541.62	109	1536.92	72	1546.48	102	1547.64	51	1548.77	20	1549.75	9.7	1525.87	
08/24/20 <sup>2</sup>	554	164	1536.29	88	1541.25	130	1541.65	109	1536.93	71	1546.49	102	1547.64	50	1548.77	20	1549.75	9.1	1525.95	
08/25/20	575	164	1536.27	90	1540.99	131	1541.64	109	1536.94	72	1546.48	102	1547.64	50	1548.77	20	1549.75	9.0	1526.10	
08/26/20	582	163	1536.25	88	1540.98	129	1541.63	108	1536.89	71	1546.49	101	1547.63	49	1548.76	20	1549.75	8.9	1526.13	
08/27/20	556	158	1536.24	87	1541.47	125	1541.61	105	1536.88	69	1546.48	99	1547.62	49	1548.75	20	1549.74	9.1	1526.12	
08/28/20	555	171	1536.23	92	1541.15	136	1541.65	114	1536.90	74	1546.50	107	1547.62	52	1548.75	21	1549.73	9.7	1526.00	
08/29/20	553	165	1536.21	90	1541.43	130	1541.62	108	1536.86	72	1546.45	102	1547.62	50	1548.75	20	1549.73	9.0	1526.01	
08/31/20 <sup>2</sup>	552	164	1536.21	89	1541.41	131	1541.61	109	1536.87	72	1546.47	102	1547.62	49	1548.75	19	1549.74	9.0	1525.99	
08/31/20	561	164	1536.21	89	1541.23	130	1541.63	109	1536.88	71	1546.46	102	1547.62	50	1548.75	20	1549.74	9.1	1525.93	
Monthly Average	559	164	1536.29	89	1541.42	130	1541.56	109	1536.90	71	1546.51	102	1547.63	50	1548.76	20	1549.74	9.1	1525.82	
Analytical <sup>1</sup>	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc <sup>2</sup> (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	14	8/12/2020	14	8/12/2020	7.4	8/12/2020	7.5	8/12/2020	2.6	8/12/2020	0.41	8/12/2020	0.032	8/12/2020	0.075	8/12/2020	0.83	8/12/2020		
Hexavalent Chromium	0.0068	8/12/2020	0.00033 J	8/12/2020	ND	8/12/2020	0.0082	8/12/2020	ND	8/12/2020	ND	8/12/2020	ND	8/12/2020	ND	8/12/2020	ND	8/12/2020		
Total Chromium	0.0069	8/12/2020	ND	8/12/2020	ND	8/12/2020	0.0073	8/12/2020	ND	8/12/2020	ND	8/12/2020	ND	8/12/2020	ND	8/12/2020	ND	8/12/2020		

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 08/10, 08/17, 08/24, and 08/31, 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 08/12 for well PC-115R; average of both values is presented and used for calculations.

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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)
08/01/20	394	42	1584.01	154	1583.45	22	1584.97	3.5	1578.84	59	1582.70	19	1584.84	169	1583.44	1.5	1578.70
08/02/20	394	42	1584.00	153	1583.44	22	1584.97	3.5	1578.84	58	1582.70	19	1584.84	168	1583.43	1.5	1578.71
08/03/20	393	42	1583.99	154	1583.43	22	1584.94	4.2	1578.84	59	1582.67	19	1584.84	168	1583.42	1.5	1578.66
08/04/20	394	42	1583.99	153	1583.42	23	1584.96	3.5	1578.83	58	1582.67	19	1584.85	167	1583.42	1.5	1578.71
08/05/20	395	40	1583.98	151	1583.42	22	1584.96	3.5	1578.84	59	1582.67	19	1584.84	162	1583.42	1.5	1578.73
08/06/20	393	40	1583.98	149	1583.42	22	1584.95	3.5	1578.84	58	1582.67	19	1584.84	163	1583.41	1.5	1578.64
08/07/20	392	38	1583.97	142	1583.41	21	1584.95	3.5	1578.84	56	1582.67	19	1584.81	156	1583.40	1.5	1578.70
08/08/20	392	42	1583.97	155	1583.41	24	1584.95	4.2	1578.83	61	1582.67	20	1584.81	169	1583.40	1.5	1578.67
08/09/20	392	40	1583.97	148	1583.41	22	1584.95	3.5	1578.84	59	1582.66	19	1584.81	161	1583.40	1.5	1578.71
08/10/20 <sup>2</sup>	393	41	1583.97	150	1583.40	22	1584.95	3.7	1578.84	59	1582.64	19	1584.81	164	1583.40	1.5	1578.69
08/11/20	381	42	1583.97	152	1583.40	22	1584.94	3.5	1578.84	59	1582.67	19	1584.81	166	1583.40	1.5	1578.70
08/12/20	411	42	1583.98	153	1583.40	22	1584.94	4.2	1578.86	60	1582.64	19	1584.81	166	1583.40	1.5	1578.65
08/13/20	395	42	1583.98	152	1583.41	22	1584.95	3.5	1578.87	59	1582.64	19	1584.81	166	1583.41	1.5	1578.72
08/14/20	396	42	1583.99	152	1583.42	22	1584.95	3.5	1578.87	59	1582.64	19	1584.81	167	1583.41	1.5	1578.72
08/15/20 <sup>3</sup>	332	30	1584.35	108	1583.97	15	1576.73	2.1	1578.86	42	1582.91	14	1584.93	118	1583.99	1.5	1579.01
08/16/20	397	42	1584.21	154	1583.65	20	1585.13	4.2	1578.86	58	1582.67	20	1584.81	168	1583.62	1.5	1578.71
08/17/20 <sup>3</sup>	396	42	1584.18	152	1583.62	22	1585.09	3.7	1578.86	59	1582.64	19	1584.81	159	1583.59	1.5	1578.68
08/18/20	399	42	1584.14	153	1583.57	23	1585.05	3.5	1578.86	59	1582.61	20	1584.78	168	1583.54	1.5	1578.70
08/19/20	397	42	1584.12	153	1583.54	22	1585.04	4.2	1578.86	59	1582.61	20	1584.81	168	1583.52	1.5	1578.74
08/20/20 <sup>4</sup>	398	42	1584.11	153	1583.53	23	1585.03	3.5	1578.86	58	1582.59	20	1584.78	168	1583.51	1.5	1578.73
08/21/20	399	42	1584.11	153	1583.52	22	1585.02	3.5	1578.86	59	1582.59	20	1584.78	168	1583.51	1.5	1578.74
08/22/20	399	42	1584.10	153	1583.52	22	1585.02	3.5	1578.86	59	1582.59	20	1584.81	169	1583.50	1.5	1578.69
08/23/20	400	42	1584.10	153	1583.52	23	1585.02	4.2	1578.86	59	1582.59	19	1584.78	168	1583.50	1.5	1578.64
08/24/20 <sup>2</sup>	399	42	1584.11	153	1583.52	23	1585.03	3.7	1578.86	59	1582.59	20	1584.81	168	1583.51	1.5	1578.74
08/25/20	397	42	1584.11	153	1583.53	22	1585.03	3.5	1578.86	59	1582.60	20	1584.78	167	1583.52	1.5	1578.70
08/26/20	397	42	1584.10	153	1583.52	23	1585.02	4.1	1578.86	59	1582.60	20	1584.80	168	1583.50	1.5	1578.72
08/27/20	399	42	1584.11	152	1583.52	22	1585.02	3.5	1578.86	58	1582.63	20	1584.80	166	1583.50	1.5	1578.69
08/28/20	400	42	1584.11	155	1583.52	23	1585.02	3.5	1578.86	60	1582.63	20	1584.80	171	1583.51	1.5	1578.72
08/29/20	400	42	1584.11	154	1583.53	22	1585.03	4.2	1578.86	59	1582.63	19	1584.83	169	1583.51	1.5	1578.73
08/31/20 <sup>2</sup>	400	42	1584.13	154	1583.53	22	1585.04	3.5	1578.86	59	1582.63	20	1584.83	168	1583.52	1.5	1578.75
08/31/20	399	42	1584.13	153	1583.54	22	1585.04	3.7	1578.86	59	1582.66	20	1584.83	168	1583.52	1.5	1578.76
Monthly Average	394	41	1584.07	151	1583.50	22	1584.73	3.6	1578.85	58	1582.65	20	1584.82	165	1583.49	1.5	1578.71
Analytical <sup>1</sup>	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 <sup>6</sup> (mg/L)	Date	
Perchlorate	23 B	8/12/2020	8.9 B	8/12/2020	170	8/12/2020	120	8/12/2020	170	8/12/2020	170	8/12/2020	70 B	8/12/2020	65 B	8/12/2020	
Hexavalent Chromium	ND	8/12/2020	0.0042	8/12/2020	0.34	8/12/2020	0.18	8/12/2020	0.65	8/12/2020	0.53	8/12/2020	0.078	8/12/2020	0.053	8/12/2020	
Total Chromium	ND	8/12/2020	0.0052	8/12/2020	0.32	8/12/2020	0.17	8/12/2020	0.60	8/12/2020	0.51	8/12/2020	0.071	8/12/2020	0.052	8/12/2020	

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 ND = Not detected above laboratory method detection limit (ClO<sub>2</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>3</sub>-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.  
 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 08/10, 08/17, 08/24, and 08/31, 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 08/15, LS #3 offline briefly due to communication loss.  
 4: On 08/20, LS #3 offline briefly due to maintenance.  
 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 08/01-08/31 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.  
 6: Duplicates taken on 08/12 for well PC-150; average of both values is presented and used for calculations.

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 <sup>4</sup> (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 <sup>4</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>4</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
08/01/20	0.21	1720.39	0.84	1712.39	0.00	1720.51	0.00	1724.41	1.39	1733.05	0.62	1709.90	4.3	1715.87	1.3	1724.10	0.91	1721.93	4.5	1723.49
08/02/20	0.22	1720.29	0.84	1712.46	0.00	1720.52	0.00	1724.39	1.35	1733.29	0.62	1709.99	4.3	1716.06	1.3	1724.09	0.90	1721.97	4.5	1723.48
08/03/20	0.22	1720.39	0.83	1712.50	0.00	1720.53	0.00	1724.37	1.35	1733.19	0.63	1709.85	4.4	1716.11	1.3	1724.09	0.92	1721.89	4.5	1723.47
08/04/20	0.22	1720.37	0.84	1712.52	0.00	1720.54	0.00	1724.35	1.36	1733.24	0.64	1709.86	4.3	1716.18	1.3	1724.09	0.92	1721.96	4.5	1723.47
08/05/20	0.21	1720.63	0.83	1712.57	0.00	1720.54	0.00	1724.33	1.30	1733.22	0.64	1709.86	4.3	1716.28	1.3	1724.08	0.93	1721.98	4.5	1723.45
08/06/20	0.22	1720.43	0.83	1712.55	0.00	1720.55	0.00	1724.29	1.35	1732.92	0.64	1709.81	4.3	1716.35	1.3	1724.07	0.93	1721.96	4.6	1723.44
08/07/20	0.22	1720.56	0.83	1712.58	0.00	1720.55	0.00	1724.25	1.3	1733.27	0.65	1709.86	4.4	1716.32	1.3	1724.05	0.90	1721.99	4.7	1723.42
08/08/20	0.22	1720.53	0.83	1712.65	0.00	1720.56	0.0	1724.23	1.29	1733.37	0.61	1709.86	4.4	1716.36	1.3	1724.06	0.93	1721.92	4.7	1723.42
08/09/20	0.22	1717.39	0.82	1712.77	0.00	1720.57	0.00	1724.22	1.29	1733.54	0.65	1709.81	4.4	1716.58	1.3	1724.07	0.93	1722.01	4.7	1723.42
08/10/20 <sup>2</sup>	0.22	1717.44	0.83	1712.78	0.00	1720.57	0.00	1724.20	1.32	1733.57	0.64	1709.95	4.4	1716.60	1.3	1724.07	0.93	1722.12	4.6	1723.42
08/11/20	0.30	1717.55	0.82	1712.65	0.00	1720.58	0.00	1724.18	1.3	1733.74	0.64	1709.82	4.2	1716.64	1.3	1724.07	0.85	1722.37	4.5	1723.42
08/12/20	0.29	1718.20	0.83	1712.65	0.00	1720.59	0.00	1724.15	1.29	1733.84	0.66	1709.90	4.2	1716.72	1.3	1724.07	0.81	1722.34	4.5	1723.42
08/13/20	0.28	1718.40	0.83	1712.65	0.00	1720.61	0.0	1725.12	1.30	1733.66	0.65	1709.84	4.2	1716.77	1.3	1724.07	0.80	1722.31	4.5	1723.42
08/14/20	0.30	1717.40	0.81	1712.75	0.00	1720.62	0.0	1725.09	1.3	1733.93	0.65	1710.47	4.2	1716.81	1.3	1724.07	0.80	1721.81	4.5	1723.42
08/15/20	0.32	1717.09	0.82	1712.72	0.00	1720.63	0.00	1725.03	1.3	1734.02	0.64	1711.35	4.2	1716.87	1.3	1724.05	0.85	1722.23	4.5	1723.42
08/16/20	0.32	1717.09	0.82	1712.74	0.00	1720.65	0.00	1724.97	1.3	1733.87	0.66	1710.70	3.6	1716.94	1.3	1724.05	0.79	1722.39	4.5	1723.41
08/17/20 <sup>2</sup>	0.30	1717.71	0.82	1712.91	0.00	1720.65	0.00	1724.91	1.3	1733.91	0.65	1710.84	4.1	1716.89	1.3	1724.05	0.83	1722.61	4.5	1723.40
08/18/20	0.31	1717.80	0.89	1707.64	0.00	1720.57	0.00	1724.90	1.3	1733.84	0.65	1710.00	4.2	1716.63	1.3	1724.04	0.76	1721.87	4.5	1723.37
08/19/20	0.31	1717.82	1.1	1707.63	0.00	1720.50	0.00	1724.86	1.3	1734.00	0.65	1709.83	4.2	1716.47	1.3	1724.03	0.83	1722.20	4.5	1723.33
08/20/20	0.30	1718.02	1.1	1707.64	0.00	1720.47	0.00	1724.82	1.3	1733.95	0.63	1710.04	4.2	1716.38	1.3	1724.02	0.78	1722.25	4.5	1723.31
08/21/20	0.30	1718.02	1.1	1707.64	0.00	1720.45	0.00	1724.74	1.3	1734.03	0.64	1709.96	4.2	1716.29	1.3	1723.99	0.74	1722.40	4.5	1723.28
08/22/20	0.30	1718.09	1.1	1707.92	0.00	1720.44	0.00	1724.67	1.2	1734.39	0.62	1710.88	4.2	1716.23	1.3	1723.98	0.71	1722.47	4.5	1723.27
08/23/20	0.29	1718.30	1.1	1707.94	0.00	1720.43	0.00	1724.62	1.2	1734.65	0.61	1710.78	4.2	1716.15	1.3	1723.96	0.61	1722.52	4.5	1723.24
08/24/20 <sup>2</sup>	0.30	1718.73	1.1	1708.09	0.00	1720.42	0.00	1724.60	1.3	1734.84	0.64	1709.94	4.2	1716.08	1.3	1723.96	0.74	1722.55	4.5	1723.23
08/25/20	0.28	1718.60	1.1	1708.21	0.00	1720.41	0.00	1724.57	1.2	1734.97	0.60	1709.87	4.3	1716.00	1.3	1723.95	0.66	1722.56	4.5	1723.22
08/26/20	0.29	1718.24	1.0	1708.20	0.00	1720.41	0.00	1724.54	1.2	1734.96	0.61	1709.86	4.2	1716.01	1.3	1723.94	0.66	1722.57	4.5	1723.21
08/27/20	0.30	1717.90	1.0	1708.30	0.00	1720.40	0.00	1724.49	1.2	1734.98	0.59	1709.93	4.1	1716.17	1.3	1723.92	0.64	1722.58	4.5	1723.19
08/28/20	0.30	1717.86	1.0	1708.20	0.00	1720.40	0.00	1724.44	1.2	1735.03	0.61	1710.07	4.1	1716.09	1.3	1723.91	0.63	1722.62	4.5	1723.17
08/29/20	0.30	1717.87	1.0	1708.28	0.00	1720.39	0.00	1724.40	1.2	1735.22	0.61	1709.88	4.1	1716.03	1.2	1723.90	0.62	1722.64	4.5	1723.15
08/31/20 <sup>2</sup>	0.30	1717.76	1.0	1708.29	0.00	1720.39	0.00	1724.38	1.2	1735.50	0.61	1709.94	4.2	1715.99	1.2	1723.89	0.62	1722.65	4.5	1723.15
08/31/20	0.30	1717.61	1.0	1708.13	0.00	1720.39	0.00	1724.37	1.2	1735.56	0.61	1709.88	4.2	1715.95	1.3	1723.88	0.64	1722.65	4.5	1723.14
Monthly Average	0.27	1718.53	0.93	1710.55	0.00	1720.51	0.0	1724.54	1.28	1734.05	0.63	1710.08	4.2	1716.35	1.3	1724.02	0.79	1722.27	4.5	1723.34
Analytical	Conc <sup>1</sup> (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	460	8/11/2020	35 B	8/11/2020	120	8/11/2020	170	8/13/2020	170	8/13/2020	390	8/11/2020	400	8/11/2020	570	8/11/2020	330	8/11/2020	450	8/11/2020
Hexavalent Chromium	0.69	8/11/2020	0.056	8/11/2020	0.0073	8/11/2020	1.7	8/13/2020	1.7	8/13/2020	0.38	8/11/2020	3.2	8/11/2020	4.9	8/11/2020	5.6	8/11/2020	11	8/11/2020
Total Chromium	17	8/11/2020	0.058	8/11/2020	0.024	8/11/2020	1.8	8/13/2020	1.6	8/13/2020	0.40	8/11/2020	3.1	8/11/2020	4.5	8/11/2020	5.1	8/11/2020	10	8/11/2020

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 1: Analytical results are reported from TestAmerica.  
 2: On 08/10, 08/17, 08/24, and 08/31, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: Duplicates taken on 08/11 for well I-AR; average of both values is presented and used for calculations.  
 4: On 08/18, I-AA, I-C, I-E, I-L, I-N, I-O, I-P, I-R, and I-W adjusted to meet flow target as directed by the Trust.

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 <sup>4</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>4</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>4</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>4</sup> (gpm)	Water Elevation (ft amsl)
08/01/20	0.15	1724.04	1.3	1721.96	3.7	1723.80	7.7	1712.28	4.0	1709.13	1.1	1722.40	1.8	1723.85	3.2	1722.72	0.33	1723.80	1.3	1723.86
08/02/20	0.15	1724.03	1.3	1721.96	3.6	1723.80	7.5	1712.29	4.0	1709.11	1.1	1722.43	1.8	1723.85	3.2	1722.71	0.32	1723.80	1.4	1723.85
08/03/20	0.15	1724.02	1.3	1721.95	3.6	1723.79	7.5	1712.28	4.0	1709.11	1.1	1722.46	1.8	1723.84	3.2	1722.70	0.35	1723.79	1.4	1723.85
08/04/20	0.15	1724.02	1.4	1721.95	3.6	1723.79	7.5	1712.28	4.0	1709.12	1.1	1722.48	1.8	1723.84	3.2	1722.70	0.33	1723.80	1.4	1723.85
08/05/20	0.15	1724.01	1.4	1721.95	3.7	1723.79	7.5	1712.28	4.0	1709.11	1.1	1722.50	1.8	1723.83	3.2	1722.69	0.39	1723.80	1.4	1723.84
08/06/20	0.15	1724.00	1.4	1721.94	3.8	1723.78	7.5	1712.27	4.0	1709.09	1.2	1722.51	1.8	1723.82	3.2	1722.68	0.45	1723.79	1.4	1723.83
08/07/20	0.15	1723.98	1.5	1721.93	4.1	1723.76	7.5	1712.27	4.0	1709.09	1.2	1722.53	1.8	1723.81	3.1	1722.66	0.40	1723.79	1.5	1723.83
08/08/20	0.15	1723.98	1.5	1721.93	4.2	1723.76	7.5	1712.26	4.0	1709.10	1.2	1722.59	1.8	1723.82	3.1	1722.67	0.36	1723.79	1.5	1723.83
08/09/20	0.15	1723.97	1.5	1721.93	4.2	1723.76	7.5	1712.28	4.0	1709.09	1.1	1722.61	1.7	1723.82	3.1	1722.71	0.35	1723.79	1.4	1723.83
08/10/20 <sup>2</sup>	0.15	1723.97	1.4	1721.93	4.1	1723.76	7.5	1712.30	4.0	1709.10	1.1	1722.62	1.7	1723.83	3.2	1722.71	0.38	1723.79	1.4	1723.83
08/11/20	0.15	1723.97	1.4	1721.92	3.8	1723.76	7.6	1712.30	4.0	1709.09	1.1	1722.69	1.7	1723.84	2.9	1722.74	0.31	1723.78	1.3	1723.82
08/12/20	0.15	1723.96	1.4	1721.91	3.7	1723.75	7.6	1712.29	4.0	1709.09	1.0	1722.72	1.7	1723.84	2.9	1722.74	0.35	1723.78	1.4	1723.82
08/13/20	0.15	1723.97	1.4	1721.99	3.7	1723.75	7.6	1712.30	4.0	1709.08	1.0	1722.75	1.7	1723.84	2.9	1722.74	0.40	1723.77	1.4	1723.81
08/14/20	0.15	1723.97	1.4	1721.99	3.7	1723.74	7.5	1712.29	4.0	1709.07	1.0	1722.77	1.7	1723.84	2.9	1722.74	0.35	1723.77	1.4	1723.82
08/15/20	0.15	1723.98	1.3	1721.98	3.6	1723.74	7.5	1712.29	4.0	1709.07	1.0	1722.89	2.0	1723.63	2.9	1722.73	0.29	1723.75	1.4	1723.80
08/16/20	0.15	1723.97	1.3	1721.97	3.5	1723.72	7.5	1712.28	4.0	1709.09	1.0	1722.94	2.0	1723.64	2.9	1722.72	0.29	1723.74	1.4	1723.79
08/17/20 <sup>2</sup>	0.15	1723.97	1.4	1721.96	3.7	1723.72	7.6	1712.28	4.0	1709.80	1.0	1722.81	1.8	1723.66	2.9	1722.72	0.34	1723.74	1.4	1723.78
08/18/20	0.15	1723.97	1.3	1721.92	3.4	1723.71	7.6	1712.28	4.0	1709.06	1.1	1722.30	1.9	1723.65	3.1	1722.44	0.34	1723.64	1.6	1723.55
08/19/20	0.15	1723.98	1.3	1721.86	3.3	1723.68	7.6	1712.29	4.0	1709.06	1.4	1722.25	1.9	1723.65	3.6	1722.39	0.39	1723.60	2.0	1723.50
08/20/20	0.15	1723.97	1.3	1721.83	3.3	1723.66	7.5	1712.28	4.0	1709.06	1.4	1722.23	1.9	1723.65	3.5	1722.39	0.35	1723.59	2.0	1723.48
08/21/20	0.15	1723.94	1.3	1721.80	3.4	1723.64	7.5	1712.27	3.9	1709.06	1.3	1722.18	1.9	1723.62	3.6	1722.35	0.36	1723.57	2.0	1723.47
08/22/20	0.15	1723.93	1.3	1721.77	3.4	1723.62	7.5	1712.27	3.9	1709.08	1.3	1722.15	1.9	1723.62	3.5	1722.35	0.45	1723.56	2.0	1723.44
08/23/20	0.15	1723.91	1.3	1721.75	3.4	1723.60	7.5	1712.28	3.9	1709.06	1.3	1722.14	1.9	1723.61	3.5	1722.33	0.46	1723.55	1.9	1723.43
08/24/20 <sup>2</sup>	0.15	1723.91	1.3	1721.75	3.4	1723.60	7.5	1712.26	3.9	1709.07	1.4	1722.13	1.9	1723.60	3.5	1722.32	0.40	1723.54	2.0	1723.43
08/25/20	0.15	1723.90	1.4	1721.74	3.5	1723.59	7.5	1712.27	3.9	1709.07	1.3	1722.12	1.8	1723.59	3.5	1722.34	0.39	1723.54	1.9	1723.43
08/26/20	0.15	1723.89	1.3	1721.74	3.5	1723.59	7.5	1712.28	3.9	1709.06	1.3	1722.11	1.8	1723.59	3.5	1722.31	0.44	1723.54	1.9	1723.43
08/27/20	0.15	1723.87	1.3	1721.72	3.5	1723.57	7.5	1712.27	3.9	1709.07	1.3	1722.10	1.8	1723.57	3.4	1722.30	0.48	1723.52	1.9	1723.42
08/28/20	0.15	1723.84	1.4	1721.70	3.5	1723.56	7.5	1712.28	3.9	1709.07	1.3	1722.06	1.8	1723.56	3.5	1722.29	0.43	1723.51	1.9	1723.40
08/29/20	0.15	1723.83	1.3	1721.70	3.4	1723.55	7.5	1712.26	3.9	1709.06	1.3	1722.06	1.8	1723.54	3.4	1722.27	0.33	1723.50	1.9	1723.40
08/31/20 <sup>2</sup>	0.15	1723.82	1.3	1721.69	3.5	1723.55	7.5	1712.27	3.9	1709.06	1.3	1722.05	1.8	1723.54	3.4	1722.27	0.35	1723.50	2.1	1723.39
08/31/20	0.15	1723.81	1.3	1721.69	3.5	1723.54	7.5	1712.26	3.9	1709.06	1.3	1722.06	1.8	1723.53	3.5	1722.26	0.40	1723.50	2.0	1723.39
Monthly Average	0.15	1723.95	1.4	1721.86	3.6	1723.69	7.5	1712.28	4.0	1709.10	1.2	1722.41	1.8	1723.70	3.2	1722.54	0.37	1723.68	1.6	1723.65
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	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	630	8/13/2020	680	8/13/2020	580	8/13/2020	210	8/13/2020	240	8/13/2020	260	8/11/2020	300	8/11/2020	380	8/11/2020	600	8/13/2020	680	8/13/2020
Hexavalent Chromium	15	8/13/2020	14	8/13/2020	9.1	8/13/2020	4.2	8/13/2020	2.5	8/13/2020	1.4	8/11/2020	5.5	8/11/2020	6.8	8/11/2020	14	8/13/2020	15	8/13/2020
Total Chromium	14	8/13/2020	14	8/13/2020	8.4	8/13/2020	4.1	8/13/2020	2.5	8/13/2020	1.3	8/11/2020	5.1	8/11/2020	6.2	8/11/2020	13	8/13/2020	14	8/13/2020

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 B = Compound was found in the blank and sample.  
 1: Analytical results are reported from TestAmerica.  
 2: On 08/10, 08/17, 08/24, and 08/31, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 4: On 08/18, I-AA, I-C, I-E, I-L, I-N, I-O, I-P, I-R, and I-W adjusted to meet flow target as directed by the Trust.  
 5: On 08/14, I-M flow adjusted to maintain level.

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 (gpm)	Water Elevation (ft amsl)	Flow <sup>4</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>4</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
08/01/20	0.21	1722.99	0.86	1722.71	2.1	1722.95	0.36	1721.47	0.67	1718.66	4.1	1723.03	0.30	1724.16	3.7	1720.21	1.5	1716.53	7.2	1716.68
08/02/20	0.25	1722.99	0.84	1722.71	2.0	1722.99	0.35	1721.49	0.66	1718.72	4.1	1723.03	0.32	1724.14	3.7	1720.21	1.5	1716.56	7.1	1716.71
08/03/20	0.25	1722.98	0.92	1722.74	2.0	1723.01	0.35	1721.48	0.66	1718.73	4.2	1723.02	0.34	1724.14	3.8	1720.21	1.5	1716.59	7.6	1716.67
08/04/20	0.25	1722.99	0.92	1723.01	2.0	1723.03	0.35	1721.50	0.66	1718.73	4.1	1723.02	0.32	1724.18	3.8	1720.21	1.4	1716.63	7.6	1716.67
08/05/20	0.24	1723.01	0.95	1723.13	2.0	1723.05	0.35	1721.48	0.64	1718.64	4.1	1723.02	0.30	1724.17	3.7	1720.18	1.4	1716.68	7.6	1716.63
08/06/20	0.23	1722.98	0.92	1723.23	1.9	1723.06	0.35	1721.48	0.64	1718.63	4.2	1723.01	0.31	1724.20	3.8	1720.16	1.4	1716.70	7.6	1716.58
08/07/20	0.23	1722.97	0.94	1723.21	1.9	1723.09	0.35	1721.45	0.66	1718.50	4.2	1723.00	0.26	1724.29	3.8	1720.14	1.4	1716.70	7.6	1716.54
08/08/20	0.22	1722.98	0.94	1723.33	1.9	1723.12	0.35	1721.45	0.65	1718.50	4.1	1723.00	0.24	1724.30	3.7	1720.15	1.4	1716.76	7.7	1716.56
08/09/20	0.22	1723.00	0.94	1723.31	1.9	1723.14	0.35	1721.47	0.67	1718.51	4.1	1723.00	0.26	1724.26	3.8	1720.15	1.4	1716.77	7.7	1716.52
08/10/20 <sup>2</sup>	0.23	1723.00	0.93	1723.24	1.9	1723.15	0.35	1721.47	0.66	1718.51	4.1	1722.99	0.29	1724.26	3.8	1720.13	1.4	1716.69	7.6	1716.49
08/11/20	0.21	1723.01	0.93	1723.86	1.8	1723.18	0.35	1721.47	0.67	1718.59	4.1	1722.99	0.26	1724.25	3.7	1720.15	1.5	1716.57	7.6	1716.51
08/12/20	0.21	1723.01	0.88	1724.09	1.7	1723.21	0.34	1721.49	0.66	1718.61	4.1	1722.98	0.25	1724.24	3.7	1720.15	1.5	1716.62	7.4	1716.46
08/13/20	0.21	1723.01	0.75	1724.45	1.7	1723.23	0.34	1721.55	0.64	1719.12	4.1	1722.98	0.26	1724.24	3.7	1720.16	1.5	1716.72	7.5	1716.46
08/14/20	0.20	1723.05	0.75	1724.42	1.7	1723.24	0.34	1721.55	0.62	1719.08	4.0	1722.98	0.25	1724.24	3.6	1720.17	1.5	1716.78	7.4	1716.44
08/15/20	0.18	1723.08	0.76	1724.49	0.99	1723.51	0.34	1721.55	0.62	1719.13	4.0	1722.97	0.34	1724.10	3.6	1720.15	1.5	1716.97	7.3	1716.43
08/16/20	0.17	1723.09	0.75	1724.50	0.85	1723.57	0.33	1721.61	0.62	1719.14	4.1	1722.98	0.33	1724.05	3.7	1720.13	1.5	1716.95	7.3	1716.39
08/17/20 <sup>2</sup>	0.20	1723.10	0.82	1724.46	0.92	1723.20	0.34	1721.59	0.64	1719.05	4.1	1722.95	0.28	1724.06	3.7	1720.12	1.5	1716.81	7.5	1716.38
08/18/20	0.16	1723.12	0.85	1723.22	2.0	1723.12	0.33	1721.59	0.63	1718.96	4.1	1722.93	0.39	1723.64	3.7	1720.07	1.5	1716.55	7.4	1716.38
08/19/20	0.15	1723.13	1.1	1723.06	2.0	1723.06	0.33	1721.58	0.63	1718.99	4.1	1722.89	0.49	1723.61	3.7	1720.02	1	1716.38	7.3	1716.33
08/20/20	0.18	1723.05	1.1	1723.11	1.9	1723.02	0.33	1721.56	0.63	1718.90	4.2	1722.87	0.43	1723.62	3.7	1720.01	1.5	1716.38	7.2	1716.29
08/21/20	0.18	1723.01	1.2	1723.16	1.9	1722.99	0.33	1721.54	0.68	1718.21	4.2	1722.85	0.39	1723.71	3.6	1719.99	1.5	1716.35	7.0	1716.17
08/22/20	0.18	1723.00	1.1	1722.91	1.9	1722.98	0.32	1721.52	0.69	1718.05	4.1	1722.83	0.36	1723.70	3.6	1719.98	1.5	1716.36	7.0	1716.15
08/23/20	0.18	1722.98	1.1	1722.88	1.9	1722.96	0.32	1721.52	0.62	1718.95	4.1	1722.81	0.39	1723.69	3.7	1719.93	1.5	1716.29	7.0	1716.03
08/24/20 <sup>2</sup>	0.17	1722.98	1.1	1722.85	1.9	1722.95	0.33	1721.52	0.65	1719.02	4.1	1722.80	0.41	1723.70	3.7	1719.94	1.5	1716.28	7.2	1716.02
08/25/20	0.19	1722.94	1.0	1722.82	1.8	1722.94	0.33	1721.51	0.61	1719.10	4.1	1722.80	0.38	1723.69	3.7	1719.91	1.5	1716.25	7.2	1716.02
08/26/20	0.19	1722.93	1.0	1722.83	1.8	1722.93	0.33	1721.51	0.61	1719.11	4.1	1722.79	0.36	1723.73	3.7	1719.89	1.5	1716.23	7.4	1715.97
08/27/20	0.19	1722.91	1.0	1722.84	1.9	1722.92	0.33	1721.48	0.60	1719.08	4.2	1722.78	0.33	1723.73	3.7	1719.88	1.5	1716.24	7.3	1715.96
08/28/20	0.19	1722.89	1.0	1722.84	1.9	1722.90	0.33	1721.46	0.61	1719.02	4.2	1722.76	0.36	1723.72	3.6	1719.86	1.5	1716.25	7.4	1715.89
08/29/20	0.19	1722.88	1.0	1722.86	1.9	1722.89	0.32	1721.45	0.62	1718.97	4.1	1722.76	0.34	1723.73	3.6	1719.86	1.5	1716.29	7.3	1715.85
08/31/20 <sup>2</sup>	0.18	1722.87	0.99	1722.95	1.9	1722.89	0.32	1721.46	0.62	1718.97	4.2	1722.75	0.33	1723.73	3.7	1719.85	1.5	1716.31	7.5	1715.84
08/31/20	0.19	1722.86	1.0	1723.04	1.9	1722.89	0.33	1721.46	0.62	1719.00	4.1	1722.75	0.36	1723.73	3.7	1719.84	1.5	1716.42	7.3	1715.86
Monthly Average	0.20	1722.99	0.95	1723.30	1.8	1723.07	0.34	1721.51	0.64	1718.81	4.1	1722.91	0.33	1723.97	3.7	1720.06	1.5	1716.54	7.4	1716.32
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	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	570	8/13/2020	560	8/11/2020	270	8/11/2020	710	8/13/2020	880	8/13/2020	540	8/13/2020	610	8/13/2020	540	8/11/2020	370	8/11/2020	380	8/13/2020
Hexavalent Chromium	14	8/13/2020	0.91	8/11/2020	1.9	8/11/2020	15	8/13/2020	16	8/13/2020	12	8/13/2020	14	8/13/2020	6.8	8/11/2020	1.2	8/11/2020	8.0	8/13/2020
Total Chromium	13	8/13/2020	0.86	8/11/2020	1.7	8/11/2020	15	8/13/2020	14	8/13/2020	11	8/13/2020	13	8/13/2020	7.7	8/11/2020	1.1	8/11/2020	7.5	8/13/2020

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 B = Compound was found in the blank and sample.  
 1: Analytical results are reported from TestAmerica.  
 2: On 08/10, 08/17, 08/24, and 08/31, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 4: On 08/18, I-AA, I-C, I-E, I-L, I-N, I-O, I-P, I-R, and I-W adjusted to meet flow target as directed by the Trust.  
 6: On 08/17, I-S flow adjusted to maintain level.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent <sup>1</sup>				GW-11 Influent <sup>1</sup>				FBR Plant Influent <sup>1</sup>						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>4</sup> (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>4 5</sup> (gpm)	TA - ClO <sub>2</sub> (mg/L)	ETI - ClO <sub>2</sub> (mg/L)	TA - ClO <sub>2</sub> (mg/L)	TA - NO <sub>2</sub> - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
08/01/20	941	63				0.00				1,112	59	56				
08/02/20	940	62				0.00				1,042		55				
08/03/20	940	63				0.00				1,203		58	100	5.9	0.029	0.018
08/04/20	941	62				0.00				1,047		57				
08/05/20	940	63	1.4	ND	450	0.00				1,058		56				
08/06/20	942	62				0.00				1,058		56				
08/07/20	940	63				0.00				1,022		58				
08/08/20	939	63				0.00				1,039	60	58				
08/09/20	942	62				0.00				1,066		56				
08/10/20	940	64				0.00				1,067		57	9.7	0.015	0.015	
08/11/20	903	60				0.00				988		56				
08/12/20	973	62	0.44	ND	410	0.00				1,043		58				
08/13/20	938	62				8.0	0.066	0.025	51	1,041		55				
08/14/20	938	62				0.00				1,087		55				
08/15/20	876	63				0.00				1,051	52	57				
08/16/20	939	57				0.00				999		51				
08/17/20	930	67				0.00				1,029		57	8.7	0.34	0.37	
08/18/20	941	62				0.00				1,022		56				
08/19/20	942	63	0.097	ND	440	0.00				1,012		56				
08/20/20	917	63				0.00				1,056		56				
08/21/20	947	62				0.00				1,010		57				
08/22/20	939	63				0.00				1,002	64	57				
08/23/20	941	62				0.00				1,017		52				
08/24/20	938	62				0.00				1,017		57	9.7	0.040	0.042	
08/25/20	939	62				0.00				1,017		57				
08/26/20	955	62	0.20	ND	420	0.00				1,042		56				
08/27/20	940	62				0.00				1,024		53				
08/28/20	940	63				0.00				1,005		57				
08/29/20	940	62				0.00				1,002	62	56				
08/30/20	940	62				0.00				1,037		55				
08/31/20	942	62				0.00				1,025		55	10	0.034	0.031	
Monthly Average <sup>2</sup>	938	62	0.54	ND	430	0.26	0.066	0.025	51	1,040	59	56	100	8.7	0.099	0.10

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.  
 ND = Not detected above laboratory method detection limit (ClO<sub>2</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>2</sub>-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).  
 B = Compound was found in the blank and sample.  
 1: ETI = Envirogen internal process control data, TA = TestAmerica data.  
 2: All average concentrations reported are monthly flow weighted averages.  
 3: On 08/10, 08/17, 08/24, and 08/31, the LS #2 totalizer 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 08/01 to 08/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.  
 5: From 08/01 to 08/31, 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 <sup>6</sup>			2nd Stage FBR <sup>6</sup>			FBR Plant Effluent <sup>7</sup>							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow <sup>7</sup> (gpm)	TA - ClO <sub>4</sub> (mg/L)	ETI - ClO <sub>4</sub> (mg/L)	TA - ClO <sub>3</sub> (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	ETI - Turbidity (NTU)
08/01/20	1,047	6.2	-375	982	6.6	-385	874	ND	ND					32
08/02/20	1,041	6.2	-353	1,035	6.6	-385	829		ND					22
08/03/20	1,049	6.2	-385	961	6.6	-392	818		ND	0.035 J	0.012	ND	ND	30
08/04/20	1,063	6.2	-301	1,015	6.6	-388	821		ND					25
08/05/20	1,043	6.4	-328	947	6.6	-383	800		ND					30
08/06/20	1,063	6.2	-154	935	6.6	-373	734		ND					35
08/07/20	1,049	6.2	-283	866	6.7	-399	822		ND					32
08/08/20	1,072	6.2	-346	933	6.6	-395	823	ND						23
08/09/20	1,069	6.2	-393	950	6.7	-403	849		ND					28
08/10/20	1,062	6.3	-406	1,016	6.7	-403	556		ND		0.0062	ND	ND	28
08/11/20	1,030	6.2	-406	818	6.7	-405	1,086		ND					21
08/12/20	1,047	6.3	-285	922	6.7	-406	627		ND					25
08/13/20	1,052	6.3	-367	910	6.8	-412	1,067		ND					40
08/14/20	1,043	6.3	-385	889	6.8	-416	1,096		ND					27
08/15/20	981	6.4	-391	950	6.9	-419	1,060	ND						18
08/16/20	1,021	6.3	-394	899	6.8	-415	1,061		ND					16
08/17/20	1,045	6.3	-393	981	6.8	-416	1,085		ND		0.029	0.00044 J	ND	29
08/18/20	1,057	6.3	-343	829	6.8	-416	1,089		ND					21
08/19/20	1,053	6.3	-278	981	6.7	-384	1,054		ND					30
08/20/20	1,008	6.5	-263	951	6.7	-400	1,073		ND					40
08/21/20	1,016	6.5	-244	966	6.6	-321	1,052		ND					33
08/22/20	1,054	6.5	-240	750	6.5	-323	1,081	ND						21
08/23/20	983	6.5	-281	997	6.5	-321	711		ND					19
08/24/20	1,041	6.5	-343	950	6.5	-341	1,087		ND		0.0054	ND	ND	26
08/25/20	1,062	6.6	-338	981	6.5	-353	945		ND					29
08/26/20	1,060	6.6	-343	1,017	6.5	-356	1,093		ND					29
08/27/20	1,038	6.6	-333	1,023	6.5	-365	1,085		ND					27
08/28/20	1,035	6.6	-289	869	6.5	-369	1,073		ND					20
08/29/20	1,023	6.5	-274	1,044	6.5	-371	1,053	ND						25
08/30/20	1,072	6.6	-349	1,002	6.5	-380	1,086		ND					22
08/31/20	1,047	6.6	-307	999	6.6	-383	1,075		ND		0.0068	ND	1.3	24
Monthly Average <sup>2</sup>	1,043	6.4	-328	947	6.6	-383	954	ND	ND	0.035	0.013	0.00011	0.19	27

Notes:

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

ND = Not detected above laboratory method detection limit (ClO<sub>4</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>3</sub>-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 <sup>1</sup>		
Date	Field Measurement (ft)	Volume (MG)
08/15/20	30.2	36.4
08/31/20	31.4	34.8

GW-11 Leak Detection Monitoring				
Date	Amount Pumped <sup>2</sup> (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
08/12/20	0	0	596	0
08/26/20	0	0	656	0

GW-11 Composite Sample <sup>3</sup>		
Analytes	Concentration	Units
Perchlorate	3.1	mg/L
Chlorate	6.5	mg/L
Ammonia as N	0.18 J	mg/L
Total Phosphorus	0.10	mg/L
Total Dissolved Solids (TDS)	12,000	mg/L
Total Suspended Solids (TSS)	48	mg/L
pH	8.5 HF	s.u.
Calcium	530	mg/L
Iron	0.85	mg/L
Chromium (total)	0.18	mg/L
Chromium VI	0.0032	mg/L
Chloride	3,700	mg/L
Nitrate as N	ND	mg/L
Sulfate	3,100	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 (NH<sub>3</sub>-N= 0.1 mg/L; Total P = 0.025 ug/L; Cr(VI) = 0.25 ug/L).

1: A transducer installed along the eastern berm provides water pressure measurements that are correlated to elevations for calculation of water depths. Results from a December 2018 bathymetric survey of the pond will be used to identify adjustment to the procedure, if necessary.

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

3: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: August 17, 2020.



Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics						
Date	Flow <sup>1</sup> (gpm)	FBR Influent Concentration			Influent Function Load <sup>3</sup> (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO <sub>4</sub> <sup>2</sup> (mg/L)	NO <sub>3</sub> as N (mg/L)	ClO <sub>3</sub> (mg/L)		
Sep 2019	1,015	123	11	130	662	629
Oct 2019	1,012	217	10	130	852	683
Nov 2019	1,019	258	9	130	942	727
Dec 2019	1,050	235	9	120	895	773
Jan 2020	1,050	73	9.4	120	529	757
Feb 2020	1,060	54	10	120	502	730
Mar 2020	1,073	66	10	130	556	713
Apr 2020	1,078	77	11	100	525	658
May 2020	1,065	86	11	120	582	598
June 2020	1,019	98	12	120	592	548
July 2020	1,035	66	11	91	458	536
Aug 2020	1,040	59	9	100	444	526

## 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: The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was decreased in March 2020 to prepare for the lower seasonal ammonia permit limits beginning April 1. AP-5 sediment mixing and solids washing activities were completed on January 4, 2020. AP-5 tank processing was completed on 7/15/20.

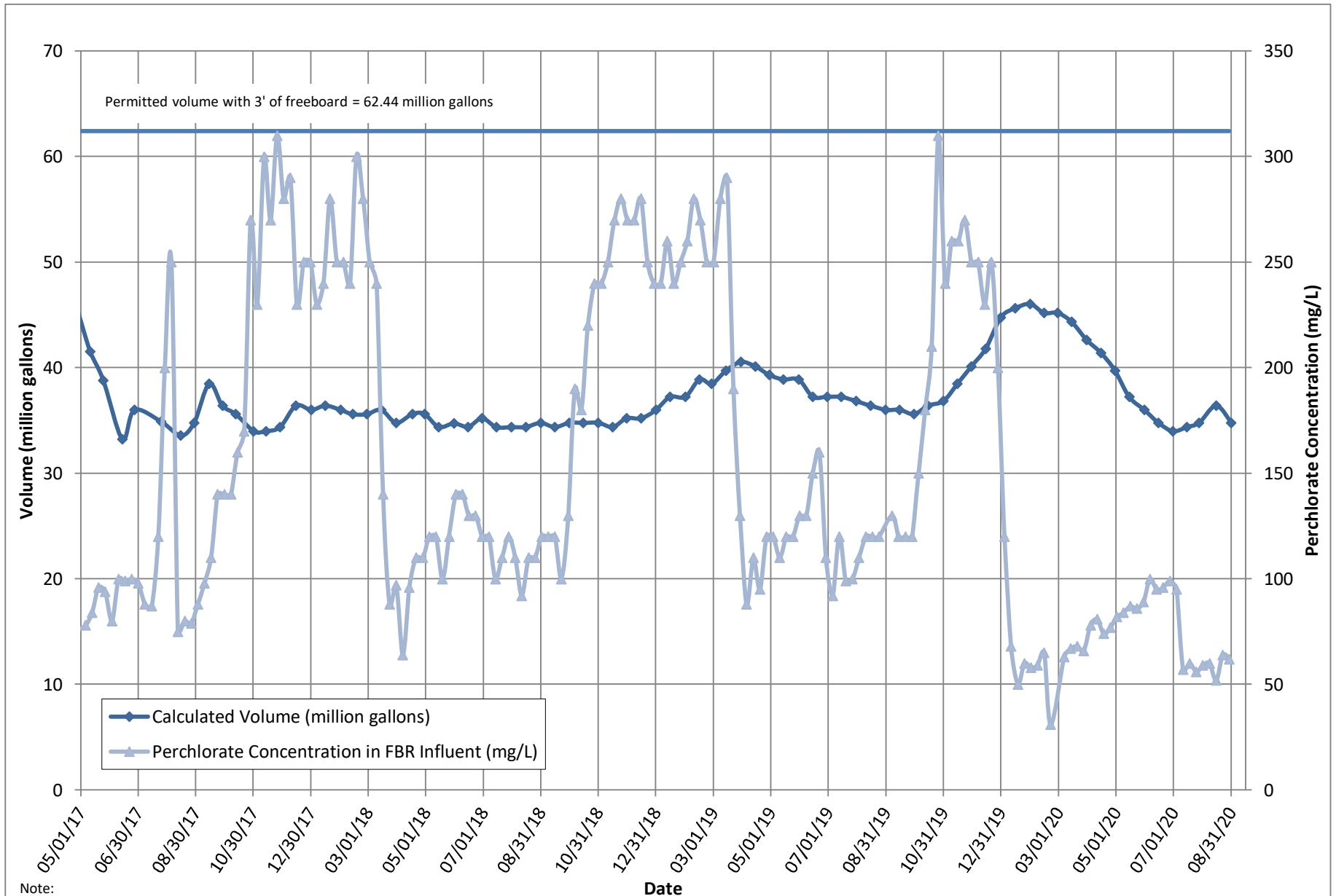
3: FBR loading calculated as  $[(0.9 \times \text{NO}_3 \text{ as N} + 0.17 \times \text{ClO}_3 + 0.18 \times \text{ClO}_4) \times \text{Flow} \times 1440 / 1000000 \times 8.34]$ .

Table 7 - AP Area Operational Metrics

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)
08/01/20	2.6	1711.62	1.3	1711.92	1.0	1712.11	0.96	1715.97	1.4	1716.42	1.5	1716.80	1.6	1716.69	0.65	1715.57
08/02/20	2.5	1711.26	1.2	1711.61	1.0	1712.20	0.94	1716.77	1.4	1716.87	1.5	1717.34	1.6	1715.46	0.66	1715.62
08/03/20	2.5	1711.47	1.3	1710.55	1.0	1710.92	0.91	1716.59	1.3	1716.39	1.4	1717.23	1.6	1715.53	0.60	1715.19
08/04/20	2.6	1710.55	1.3	1709.59	1.0	1710.46	0.93	1716.41	1.3	1715.97	1.4	1717.50	1.6	1715.40	0.62	1715.60
08/05/20	2.5	1710.76	1.3	1709.01	1.0	1709.66	0.94	1716.13	1.3	1715.50	1.4	1717.56	1.6	1715.86	0.63	1715.83
08/06/20	2.5	1710.62	1.3	1710.34	1.0	1709.87	0.96	1715.65	1.4	1715.67	1.4	1716.88	1.6	1715.73	0.46	1715.41
08/07/20	2.5	1709.67	1.3	1709.16	1.0	1709.99	0.94	1715.77	1.3	1714.48	1.4	1715.83	1.6	1715.52	0.57	1714.99
08/08/20	2.5	1711.26	1.3	1710.14	1	1709.56	0.96	1715.63	1.3	1715.51	1.4	1716.41	1.6	1715.67	0.56	1715.05
08/09/20	2.5	1711.22	1.3	1709.68	1.1	1710.37	1.0	1715.21	1.4	1715.62	1.5	1716.26	1.6	1716.26	0.77	1715.27
08/10/20	2.5	1711.35	1.3	1709.34	1.0	1709.97	0.95	1714.66	1.3	1715.56	1.4	1716.90	1.6	1716.03	0.83	1716.00
08/11/20	2.6	1710.91	1.2	1708.86	1.1	1709.81	0.99	1715.93	1.3	1715.51	1.5	1717.54	1.6	1715.86	0.86	1716.83
08/12/20	2.4	1710.93	1.3	1709.15	1.0	1710.18	0.96	1716.25	1.3	1715.26	1.4	1716.84	1.5	1715.42	0.40	1716.74
08/13/20	2.5	1710.57	1.3	1708.84	1.1	1709.39	0.98	1715.76	1.3	1715.18	1.4	1718.27	1.5	1715.61	0.59	1715.93
08/14/20	2.5	1710.06	1.3	1709.34	1.0	1707.22	0.98	1715.05	1.3	1713.41	1.4	1715.89	1.5	1714.25	0.62	1713.50
08/15/20	2.5	1708.71	1.3	1709.44	1.1	1708.18	1.0	1714.95	1.4	1714.93	1.4	1714.93	1.6	1713.89	0.65	1713.10
08/16/20	2.5	1711.63	1.3	1709.70	1.1	1710.58	1.0	1715.14	1.3	1715.24	1.2	1717.21	1.6	1715.56	0.59	1715.21
08/17/20	2.5	1711.32	1.3	1709.85	1.0	1710.42	0.99	1715.40	1.3	1716.40	1.4	1717.98	1.5	1715.51	0.57	1715.81
08/18/20	2.5	1711.19	1.3	1709.91	1.1	1710.34	1.0	1715.56	1.0	1715.70	1.4	1719.20	1.6	1715.88	0.58	1717.04
08/19/20	2.5	1711.12	1.2	1710.03	1.0	1710.25	0.97	1715.72	1.5	1715.80	1.7	1718.03	1.5	1716.00	0.60	1716.97
08/20/20	2.5	1709.20	1.3	1708.57	1.1	1708.41	0.89	1716.10	1.3	1716.28	1.6	1715.87	1.6	1716.16	0.64	1716.83
08/21/20	2.4	1709.26	1.3	1708.37	1.0	1707.60	0.82	1714.10	1.2	1710.91	1.5	1709.94	1.5	1713.73	0.60	1710.70
08/22/20	2.5	1710.77	1.2	1708.86	1.0	1707.62	0.86	1714.25	1.3	1711.79	1.5	1710.83	1.5	1715.05	0.62	1711.99
08/23/20	2.5	1711.67	1.2	1709.91	1.1	1710.17	0.88	1719.76	1.3	1716.91	1.6	1717.44	1.6	1717.15	0.63	1717.82
08/24/20	2.5	1711.31	1.3	1707.56	1.0	1709.50	0.84	1718.61	1.3	1714.38	1.5	1716.18	1.5	1716.29	0.60	1716.19
08/25/20	2.5	1710.46	1.3	1707.65	1.0	1708.27	0.86	1718.02	1.3	1713.82	1.5	1715.72	1.5	1715.89	0.62	1716.11
08/26/20 <sup>3</sup>	2.4	1710.65	1.3	1707.71	0.98	1708.65	0.85	1717.07	1.2	1714.50	1.5	1715.40	1.5	1716.12	0.60	1716.20
08/27/20	2.4	1711.26	1.3	1710.55	0.97	1714.41	0.85	1721.20	1.2	1718.50	1.6	1718.37	1.5	1717.19	0.70	1717.76
08/28/20	2.4	1711.26	1.3	1710.23	0.99	1714.19	0.92	1719.01	1.1	1717.52	1.5	1717.80	1.5	1717.00	0.66	1716.16
08/29/20	2.4	1711.52	1.3	1710.64	0.98	1714.06	0.95	1718.27	1.2	1718.10	1.5	1717.62	1.5	1717.12	0.64	1716.54
08/30/20	2.6	1711.88	1.3	1711.75	0.98	1713.34	0.99	1717.21	1.1	1715.90	1.5	1716.83	1.5	1716.29	0.67	1716.95
08/31/20	2.3	1711.30	1.2	1709.48	0.98	1711.70	0.90	1717.07	1.2	1715.96	1.4	1716.88	1.5	1716.20	0.62	1714.77
Monthly Average	2.5	1710.86	1.3	1709.61	1.0	1710.31	0.9	1716.42	1.3	1715.49	1.5	1716.56	1.6	1715.82	0.63	1715.60
Analytical <sup>1</sup>	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	520	8/5/2020	1,100	8/5/2020	490	8/5/2020	91	8/5/2020	290	8/5/2020	640	8/5/2020	830	8/5/2020	900	8/5/2020
Hexavalent Chromium	0.055	8/5/2020	0.34	8/5/2020	0.59	8/5/2020	0.029	8/5/2020	0.027	8/5/2020	0.041	8/5/2020	0.063	8/5/2020	0.13	8/5/2020
Total Chromium	0.087	8/5/2020	0.31	8/5/2020	0.55	8/5/2020	0.036	8/5/2020	0.029	8/5/2020	0.050	8/5/2020	0.065	8/5/2020	0.16	8/5/2020

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 08/26, AP area wells offline briefly due to maintenance.  
 3: Duplicates taken on 08/05 for well E2-1; average of both values is presented and used for calculations.

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



Note:

1. Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was decreased in March 2019 to prepare for the lower seasonal ammonia permit limits beginning April 1. AP-5 tank processing was completed on 7/15/20.

Figure 2 - FBR Equivalent Loading Calculation

