

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 (ft amsl)	
07/01/20	570	164	1536.34	90	1541.05	129	1541.43	109	1537.07	71	1546.56	102	1547.51	50	1548.63	19	1549.63	9.0	1525.54	
07/02/20	552	165	1536.32	90	1541.52	131	1541.41	109	1537.05	72	1546.54	103	1547.49	50	1548.61	20	1549.62	9.1	1525.53	
07/03/20	553	165	1536.30	90	1541.72	130	1541.40	110	1537.04	72	1546.53	102	1547.48	51	1548.60	19	1549.61	9.0	1525.56	
07/04/20	554	165	1536.29	90	1541.62	131	1541.39	109	1537.01	71	1546.52	102	1547.47	50	1548.60	19	1549.60	9.0	1525.50	
07/05/20	553	165	1536.26	90	1541.62	131	1541.39	109	1536.97	72	1546.51	103	1547.46	50	1548.58	19	1549.59	9.0	1525.49	
07/06/20 <sup>2</sup>	570	165	1536.21	90	1541.47	130	1541.36	109	1536.98	71	1546.49	102	1547.45	50	1548.57	19	1549.58	9.0	1525.56	
07/07/20 <sup>3</sup>	283	165	1536.18	90	1541.19	130	1541.34	109	1536.97	71	1546.47	103	1547.44	50	1548.56	19	1549.57	9.0	1525.55	
07/08/20	259	165	1536.16	90	1541.59	131	1541.33	109	1536.93	72	1546.46	102	1547.42	50	1548.55	19	1549.55	9.0	1526.40	
07/09/20	558	165	1536.13	90	1541.46	130	1541.32	110	1536.90	72	1546.45	102	1547.41	50	1548.53	19	1549.54	9.0	1525.41	
07/10/20	557	165	1536.14	90	1541.31	131	1541.33	109	1536.90	72	1546.46	103	1547.43	51	1548.55	19	1549.56	9.0	1525.44	
07/11/20	554	165	1536.17	90	1541.24	130	1541.36	109	1536.93	72	1546.50	102	1547.47	50	1548.60	19	1549.61	9.0	1525.45	
07/12/20	552	165	1536.19	90	1541.15	131	1541.41	110	1536.93	72	1546.53	102	1547.53	50	1548.65	19	1549.66	9.7	1525.49	
07/13/20 <sup>2</sup>	555	165	1536.23	90	1541.50	130	1541.46	109	1536.96	71	1546.56	102	1547.57	50	1548.69	19	1549.71	9.1	1525.54	
07/14/20	542	165	1536.27	88	1541.08	131	1541.49	109	1536.99	72	1546.58	102	1547.60	48	1548.73	18	1549.75	8.3	1525.41	
07/15/20	558	165	1536.30	90	1541.70	131	1541.53	110	1537.00	72	1546.61	103	1547.64	53	1548.77	20	1549.79	9.7	1525.59	
07/16/20	551	164	1536.33	90	1541.68	130	1541.54	109	1537.04	71	1546.61	102	1547.67	50	1548.80	19	1549.81	9.0	1525.55	
07/17/20	550	165	1536.36	90	1541.46	131	1541.57	110	1537.03	72	1546.64	102	1547.69	50	1548.82	19	1549.84	9.0	1525.42	
07/18/20	553	165	1536.38	90	1541.23	131	1541.59	109	1537.04	72	1546.67	103	1547.71	51	1548.84	19	1549.81	9.0	1525.48	
07/19/20	553	164	1536.39	90	1541.53	130	1541.59	109	1537.07	71	1546.67	102	1547.73	50	1548.85	20	1549.83	9.0	1525.55	
07/20/20 <sup>2</sup>	551	165	1536.41	90	1541.32	130	1541.60	109	1537.08	72	1546.67	102	1547.73	50	1548.86	19	1549.84	9.0	1525.56	
07/21/20	560	164	1536.40	90	1541.42	131	1541.62	109	1537.07	72	1546.68	102	1547.74	50	1548.87	20	1549.80	9.0	1525.53	
07/22/20	561	164	1536.39	90	1541.68	130	1541.61	109	1537.07	71	1546.68	102	1547.73	51	1548.86	20	1549.84	9.0	1525.57	
07/23/20	561	165	1536.39	90	1541.68	131	1541.60	109	1537.09	72	1546.67	103	1547.73	50	1548.86	20	1549.84	9.0	1525.68	
07/24/20	561	164	1536.40	90	1541.73	130	1541.61	109	1537.06	71	1546.67	102	1547.73	50	1548.86	21	1549.84	9.0	1525.57	
07/25/20	558	164	1536.39	90	1541.50	130	1541.59	109	1537.06	72	1546.65	103	1547.73	51	1548.86	20	1549.84	9.1	1525.64	
07/26/20	557	165	1536.51	90	1541.68	131	1541.68	110	1537.11	71	1546.66	102	1547.73	50	1548.68	20	1549.64	9.0	1525.58	
07/27/20 <sup>2</sup>	558	164	1536.49	90	1541.44	130	1541.61	109	1537.10	71	1546.69	102	1547.73	50	1548.86	20	1549.83	9.0	1525.62	
07/28/20	567	165	1536.46	91	1541.38	130	1541.61	109	1537.07	72	1546.65	102	1547.72	50	1548.85	20	1549.82	9.1	1525.58	
07/29/20	563	164	1536.43	90	1542.08	130	1541.59	110	1537.07	71	1546.63	103	1547.70	50	1548.83	21	1549.81	9.0	1525.69	
07/30/20	568	165	1536.41	90	1541.82	131	1541.58	109	1537.02	72	1546.63	102	1547.69	51	1548.82	20	1549.80	9.0	1525.49	
07/31/20	569	165	1536.39	90	1541.55	130	1541.57	109	1537.02	72	1546.60	102	1547.68	50	1548.81	20	1549.79	9.0	1525.71	
Monthly Average	539	165	1536.32	90	1541.50	130	1541.50	109	1537.02	71	1546.59	102	1547.61	50	1548.73	19	1549.72	9.1	1525.57	
Analytical	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
Perchlorate	13	7/13/2020	15	7/13/2020	6.9	7/13/2020	6.2	7/13/2020	2.5	7/13/2020	0.35	7/13/2020	0.046	7/13/2020	0.099	7/13/2020	0.58	7/13/2020		
Hexavalent Chromium	0.0076	7/13/2020	0.00038	7/13/2020	ND	7/13/2020	0.0080	7/13/2020	ND	7/13/2020	ND	7/13/2020	ND	7/13/2020	ND	7/13/2020	ND	7/13/2020		
Total Chromium	0.0087	7/13/2020	ND	7/13/2020	0.0025	7/13/2020	0.0081	7/13/2020	ND	7/13/2020	ND	7/13/2020	ND	7/13/2020	ND	7/13/2020	ND	7/13/2020		

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 07/06, 07/13, 07/20, and 07/27, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 07/07, LS #1 offline intermittently due to instrument error.  
 4: Duplicates taken on 07/13 for well PC-133; average of both values is presented and used for calculations.

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 <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)
07/01/20	396	42	1583.82	153	1583.30	22	1584.87	3.5	1578.85	59	1582.60	19	1584.78	169	1583.30	1.5	1578.67
07/02/20	395	42	1583.81	153	1583.29	22	1584.86	3.5	1578.86	59	1582.60	20	1584.78	168	1583.29	1.5	1578.71
07/03/20	392	42	1583.81	153	1583.28	22	1584.86	3.5	1578.86	60	1582.59	19	1584.78	168	1583.29	1.5	1578.66
07/04/20	393	42	1583.81	154	1583.28	22	1584.86	3.5	1578.86	59	1582.59	19	1584.78	169	1583.28	1.5	1578.67
07/05/20	392	42	1583.80	153	1583.27	22	1584.85	3.5	1578.85	59	1582.53	19	1584.75	168	1583.28	1.5	1578.67
07/06/20 <sup>2</sup>	394	42	1583.80	153	1583.27	22	1584.85	3.5	1578.85	59	1582.56	19	1584.75	168	1583.27	1.5	1578.69
07/07/20	394	42	1583.79	153	1583.26	22	1584.85	3.5	1578.85	59	1582.56	19	1584.75	168	1583.27	1.5	1578.63
07/08/20	394	42	1583.78	153	1583.25	22	1584.84	3.5	1578.85	60	1582.53	19	1584.73	168	1583.26	1.5	1578.68
07/09/20	390	42	1583.78	152	1583.24	22	1584.83	3.5	1578.85	59	1582.88	15	1585.31	168	1583.25	1.5	1578.64
07/10/20	364	42	1583.78	153	1583.24	22	1584.83	3.5	1578.85	60	1583.30	0.69	1585.60	168	1583.25	1.5	1578.68
07/11/20	364	42	1583.78	151	1583.24	22	1584.84	3.5	1578.86	58	1583.52	0.69	1585.74	166	1573.25	1.5	1578.64
07/12/20	364	42	1583.80	156	1583.26	22	1584.84	3.5	1578.86	60	1583.65	1.4	1585.86	172	1583.26	1.5	1578.69
07/13/20 <sup>2</sup>	378	42	1583.80	153	1583.26	22	1584.85	3.5	1578.86	59	1583.76	0.93	1585.95	168	1583.27	1.5	1578.67
07/14/20	381	41	1583.81	147	1583.28	21	1584.86	3.5	1578.84	58	1583.24	13	1585.23	161	1583.28	1.5	1578.69
07/15/20	403	44	1583.83	159	1583.29	23	1584.87	3.5	1578.84	62	1583.03	22	1585.10	175	1583.30	1.5	1578.64
07/16/20	397	42	1583.84	153	1583.31	21	1584.88	3.5	1578.84	59	1582.96	20	1585.04	168	1583.31	1.5	1578.70
07/17/20	394	42	1583.87	153	1583.32	22	1584.89	3.5	1578.84	60	1582.91	20	1584.99	169	1583.33	1.5	1578.72
07/18/20	394	42	1583.88	154	1583.34	22	1584.90	3.5	1578.84	59	1582.85	20	1584.96	168	1583.34	1.5	1578.67
07/19/20	394	42	1583.89	154	1583.35	22	1584.91	3.5	1578.84	59	1582.81	19	1584.93	169	1583.36	1.5	1578.64
07/20/20 <sup>2</sup>	394	42	1583.90	153	1583.36	22	1584.92	3.5	1578.84	59	1582.82	19	1584.96	168	1583.36	1.5	1578.67
07/21/20	397	42	1583.92	153	1583.37	22	1584.93	3.5	1578.84	59	1582.82	20	1584.92	168	1583.37	1.5	1578.69
07/22/20	396	42	1583.93	152	1583.38	21	1584.94	3.5	1578.84	59	1582.81	19	1584.91	166	1583.38	1.5	1578.68
07/23/20	396	42	1583.93	153	1583.38	22	1584.94	3.5	1578.84	58	1582.77	20	1584.91	170	1583.38	1.5	1578.67
07/24/20	394	42	1583.93	152	1583.39	22	1584.95	3.5	1578.83	60	1582.77	19	1584.89	168	1583.39	1.5	1578.70
07/25/20	394	42	1583.95	154	1583.40	22	1584.95	3.5	1578.84	59	1582.74	19	1584.85	168	1583.40	1.5	1578.70
07/26/20 <sup>2</sup>	388	42	1584.02	151	1583.50	17	1576.81	3.5	1582.97	59	1582.75	19	1584.86	169	1583.55	1.5	1586.53
07/27/20 <sup>2</sup>	394	42	1584.30	153	1583.54	21	1576.81	3.5	1583.00	59	1582.75	20	1584.86	168	1583.59	1.5	1578.53
07/28/20	387	42	1584.08	153	1583.56	14	1576.73	3.5	1583.02	59	1582.72	20	1584.84	167	1583.61	1.5	1578.68
07/29/20	395	42	1584.05	149	1583.50	19	1585.01	4.2	1578.84	58	1582.70	19	1584.86	164	1583.48	1.5	1578.76
07/30/20	397	42	1584.02	153	1583.47	22	1584.98	3.5	1578.84	59	1582.70	19	1584.89	168	1583.45	1.5	1578.69
07/31/20	396	42	1584.02	152	1583.46	22	1584.98	3.5	1578.84	60	1582.72	19	1584.84	167	1583.45	1.5	1578.68
Monthly Average	390	42	1583.89	153	1583.34	21	1584.11	3.5	1579.25	59	1582.86	17	1585.02	168	1583.03	1.5	1578.93
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 (mg/L)	Date
Perchlorate		24	7/14/2020	9.8	7/14/2020	180	7/14/2020	130	7/14/2020	170	7/14/2020	87	7/14/2020	70	7/14/2020	56	7/14/2020
Hexavalent Chromium		0.00046 J	7/14/2020	0.0048	7/14/2020	0.34	7/14/2020	0.18	7/14/2020	0.68	7/14/2020	0.53	7/14/2020	0.081	7/14/2020	0.054	7/14/2020
Total Chromium		ND	7/14/2020	0.0051	7/14/2020	0.32	7/14/2020	0.17	7/14/2020	0.65	7/14/2020	0.53	7/14/2020	0.080	7/14/2020	0.058	7/14/2020

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 ND = Not detected above laboratory method detection limit (ClO<sub>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.  
 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 07/06, 07/13, 07/20, and 07/27, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 07/26, LS #3 offline briefly due to power loss.  
 4: On 07/26, ART-3 switched to ART-3A and ART-4 switched to ART-4A due to power loss.  
 5: On 07/29, ART-3A switched to ART-3 and ART-4A switched to ART-4.  
 6: From 07/09 through 07/14 ART-7B flow dropped due to instrument error.  
 7: Duplicates taken on 07/14 for well ART-8/8A; average of both values is presented and used for calculations.  
 8: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 07/01-07/31 flows and used for calculation purposes. Flow was steady throughout 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			
	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)	Flow <sup>7-8</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>9-10</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9-10</sup> (gpm)	Water Elevation (ft amsl)		
07/01/20	0.18	1721.65	0.84	1712.74	0.00	1720.69	0.00	1724.30	0.00	1740.00	0.81	1709.68	3.4	1720.41	1.3	1724.60	0.59	1723.66	4.5	1723.92
07/02/20	0.12	1723.90	0.84	1712.78	0.00	1720.64	0.00	1724.27	0.00	1740.00	0.79	1709.69	3.3	1720.31	1.3	1724.56	0.59	1723.65	4.5	1723.90
07/03/20	0.12	1724.01	0.83	1712.83	0.00	1720.61	0.00	1724.26	0.00	1740.00	0.76	1709.67	3.3	1720.24	1.3	1724.53	0.58	1723.63	4.5	1723.90
07/04/20	0.11	1724.33	0.83	1712.84	0.00	1720.59	0.00	1724.30	0.00	1740.00	0.76	1709.67	3.2	1720.20	1.3	1724.53	0.59	1723.59	4.5	1723.91
07/05/20	0.10	1724.24	0.82	1712.84	0.00	1720.58	0.00	1724.31	0.00	1740.00	0.75	1709.67	3.2	1720.16	1.3	1724.52	0.61	1723.50	4.5	1723.92
07/06/20 <sup>2</sup>	0.14	1724.14	0.79	1712.89	0.00	1720.57	0.00	1724.31	0.00	1740.00	0.79	1709.67	3.2	1720.10	1.3	1724.50	0.61	1723.48	4.5	1723.91
07/07/20	0.15	1721.47	0.81	1712.92	0.00	1720.58	0.00	1724.30	0.00	1740.00	0.74	1709.67	3.1	1720.01	1.3	1724.51	0.62	1723.54	4.5	1723.90
07/08/20	0.22	1719.90	0.81	1712.99	0.00	1720.58	0.01	1724.20	0.30	1738.68	0.73	1709.67	3.2	1720.00	1.3	1724.51	0.61	1723.55	4.5	1723.91
07/09/20 <sup>3</sup>	0.22	1719.87	0.80	1713.08	0.00	1720.59	0.11	1710.01	0.62	1740.00	0.72	1709.76	3.2	1720.19	1.3	1724.51	0.60	1723.53	4.5	1723.91
07/10/20	0.21	1720.39	0.78	1713.63	0.00	1720.62	0.15	1710.02	0.17	1740.00	0.71	1709.85	3.6	1719.08	1.3	1724.50	0.73	1723.48	4.5	1723.93
07/11/20	0.21	1720.43	0.74	1713.94	0.00	1720.64	0.15	1710.02	0.05	1740.00	0.65	1709.83	3.5	1719.05	1.3	1724.51	0.64	1723.45	4.5	1723.95
07/12/20 <sup>3</sup>	0.23	1719.66	0.72	1714.17	0.00	1720.59	0.15	1710.02	0.08	1740.00	0.64	1709.83	3.4	1719.41	1.3	1724.53	0.62	1723.59	4.4	1723.98
07/13/20 <sup>4</sup>	0.20	1720.32	0.78	1714.12	0.00	1720.55	0.10	1710.02	0.20	1736.49	0.71	1709.86	3.3	1719.33	1.3	1724.52	0.63	1723.56	4.5	1723.97
07/14/20	0.25	1718.92	0.72	1714.08	0.00	1720.54	0.05	1725.89	1.2	1736.65	0.62	1709.82	3.4	1719.35	1.3	1724.51	0.61	1723.60	4.5	1723.97
07/15/20	0.22	1720.55	0.72	1714.09	0.00	1720.52	0.00	1725.72	1.2	1736.41	0.62	1709.84	3.4	1719.32	1.3	1724.50	0.59	1723.62	4.5	1723.97
07/16/20	0.22	1720.49	0.71	1714.12	0.00	1720.51	0.00	1724.57	1.2	1736.67	0.61	1709.85	3.4	1719.29	1.3	1724.49	0.58	1723.66	4.6	1723.96
07/17/20	0.22	1720.59	0.71	1714.14	0.00	1720.51	0.00	1724.52	1.1	1736.81	0.61	1709.85	3.4	1719.29	1.3	1724.49	0.57	1723.71	4.6	1723.97
07/18/20	0.22	1720.56	0.71	1714.20	0.00	1720.51	0.00	1724.51	1.1	1736.79	0.58	1709.85	3.4	1719.28	1.3	1724.50	0.56	1723.72	4.5	1723.98
07/19/20	0.22	1720.56	0.71	1714.22	0.00	1720.51	0.00	1724.49	1.1	1736.54	0.60	1709.87	3.4	1719.26	1.3	1724.49	0.56	1723.71	4.5	1723.98
07/20/20 <sup>4</sup>	0.22	1720.66	0.72	1709.99	0.00	1720.54	0.00	1724.68	1.0	1735.73	0.62	1709.90	3.4	1717.59	1.3	1724.43	0.59	1722.78	4.5	1723.97
07/21/20	0.22	1721.04	0.94	1711.29	0.00	1720.54	0.00	1724.67	1.2	1735.86	0.59	1709.82	4.0	1717.61	1.5	1724.36	0.81	1722.89	4.5	1723.87
07/22/20	0.23	1720.73	0.92	1711.39	0.00	1720.53	0.00	1724.63	1.2	1735.73	0.59	1710.55	4.0	1717.70	1.5	1724.31	0.79	1722.82	4.5	1723.81
07/23/20	0.23	1720.55	0.91	1711.59	0.00	1720.53	0.00	1724.59	1.2	1735.69	0.60	1710.56	4.1	1719.92	1.5	1724.28	0.83	1722.12	4.6	1723.75
07/24/20	0.23	1720.43	0.90	1711.75	0.00	1720.52	0.00	1724.55	1.2	1735.93	0.55	1709.98	4.5	1715.79	1.4	1724.25	0.98	1721.93	4.6	1723.68
07/25/20	0.21	1720.27	0.89	1711.83	0.00	1720.51	0.00	1724.54	1.2	1735.51	0.61	1709.98	4.6	1715.70	1.4	1724.21	1.00	1721.98	4.5	1723.62
07/26/20	0.19	1721.59	0.88	1712.03	0.00	1720.51	0.00	1724.53	1.2	1735.72	0.63	1709.82	4.5	1715.71	1.4	1724.19	0.98	1721.95	4.5	1723.58
07/27/20 <sup>2</sup>	0.22	1719.36	0.88	1712.11	0.00	1720.51	0.00	1724.52	1.2	1735.36	0.60	1709.87	4.2	1715.67	1.4	1724.18	0.85	1721.98	4.5	1723.57
07/28/20	0.22	1721.01	0.87	1712.05	0.00	1720.50	0.00	1724.50	1.4	1732.32	0.61	1709.87	4.6	1715.60	1.4	1724.16	0.96	1721.99	4.5	1723.55
07/29/20	0.22	1720.06	0.86	1712.19	0.00	1720.49	0.00	1724.48	1.4	1732.39	0.60	1709.87	4.6	1715.56	1.4	1724.13	0.94	1721.92	4.5	1723.53
07/30/20	0.22	1720.88	0.85	1712.32	0.00	1720.49	0.00	1724.45	1.4	1731.83	0.61	1709.86	4.5	1715.66	1.4	1724.11	0.93	1721.96	4.5	1723.52
07/31/20	0.18	1721.70	0.85	1712.36	0.00	1720.50	0.00	1724.44	1.4	1732.49	0.62	1709.84	4.4	1715.80	1.4	1724.11	0.91	1721.98	4.5	1723.51
Monthly Average	0.20	1721.11	0.81	1712.82	0.00	1720.55	0.02	1722.21	0.75	1737.08	0.66	1709.86	3.7	1718.34	1.3	1724.40	0.71	1723.05	4.5	1723.83
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	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	420	7/7/2020	35	7/7/2020	130	7/7/2020	250	7/8/2020	160	7/8/2020	400	7/7/2020	390	7/7/2020	620	7/7/2020	330	7/7/2020	420	7/7/2020
Hexavalent Chromium	0.44	7/7/2020	0.058	7/7/2020	0.0052	7/7/2020	2.3	7/8/2020	1.5	7/8/2020	0.32	7/7/2020	3.2	7/7/2020	4.7	7/7/2020	5.3	7/7/2020	10	7/7/2020
Total Chromium	31	7/7/2020	0.058	7/7/2020	0.021	7/7/2020	2.4	7/8/2020	1.5	7/8/2020	0.33	7/7/2020	3.3	7/7/2020	4.7	7/7/2020	5.1	7/7/2020	9.7	7/7/2020

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
  - 1: Analytical results are reported from TestAmerica.
  - 2: On 07/06, 07/13, 07/20, and 07/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
  - 3: On 07/09 and 07/12, IWF offline briefly due to high inlet level.
  - 4: On 07/20, IWF offline briefly due to maintenance.
  - 5: From 07/09 to 07/14, I-AC turned on for testing.
  - 6: Duplicates taken on 07/08 for well I-AC; average of both values is presented and used for calculations.
  - 7: On 07/08, I-AD online to maintain level.
  - 8: On 07/14, I-AD flow adjusted to maintain level.
  - 9: On 07/20, I-C, I-D, I-E, I-L, I-M, I-N, I-O, I-R, I-S, I-T, I-W, I-X, and I-Y adjusted to meet flow target as directed by the Trust.
  - 10: On 07/23, I-C, I-E, I-N, and I-W 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 <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9,10</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>11</sup> (gpm)	Water Elevation (ft amsl)
07/01/20	0.15	1724.02	1.5	1722.34	4.9	1723.85	7.7	1715.35	4.0	1709.17	1.7	1721.40	1.5	1724.51	3.1	1723.27	0.16	1723.94	1.1	1724.04
07/02/20	0.15	1724.03	1.5	1722.35	4.9	1723.86	7.7	1715.17	4.0	1709.17	1.7	1721.22	1.5	1724.48	3.0	1723.25	0.15	1723.95	1.1	1724.05
07/03/20	0.15	1724.04	1.5	1722.37	4.7	1723.86	7.7	1715.27	4.0	1709.16	1.7	1721.10	1.5	1724.46	3.0	1723.25	0.16	1723.96	1.1	1724.08
07/04/20	0.15	1724.06	1.4	1722.39	4.6	1723.88	7.7	1715.63	4.0	1709.17	1.7	1721.03	1.5	1724.47	3.0	1723.26	0.16	1723.98	1.1	1724.10
07/05/20	0.15	1724.08	1.3	1722.41	4.4	1723.89	7.9	1715.71	4.0	1709.18	1.7	1720.94	1.5	1724.46	3.0	1723.26	0.16	1724.01	0.25	1724.14
07/06/20 <sup>2</sup>	0.15	1724.09	1.4	1722.42	4.7	1723.90	7.8	1715.75	4.0	1709.18	1.5	1720.90	1.5	1724.44	2.9	1723.24	0.17	1724.01	1.1	1724.06
07/07/20	0.15	1724.10	1.3	1722.42	4.0	1723.91	7.7	1715.79	4.0	1709.17	1.7	1720.98	1.3	1724.64	2.9	1723.27	0.16	1724.02	1.3	1724.07
07/08/20	0.15	1724.11	1.3	1722.43	4.0	1723.92	7.7	1715.98	4.0	1709.18	1.6	1721.26	1.1	1724.65	2.9	1723.27	0.16	1724.03	1.3	1724.08
07/09/20 <sup>3</sup>	0.14	1724.13	1.4	1722.43	4.0	1723.91	7.8	1715.96	4.1	1709.17	1.5	1721.63	1.1	1724.70	2.9	1723.33	0.26	1723.88	1.3	1724.06
07/10/20	0.14	1724.15	1.3	1722.42	4.1	1723.90	7.6	1715.93	4.0	1709.16	1.4	1721.73	1.0	1724.70	2.7	1723.41	0.50	1723.88	1.2	1724.06
07/11/20	0.14	1724.16	1.3	1722.46	3.9	1723.91	7.7	1715.83	4.0	1709.17	1.4	1721.68	1.0	1724.72	2.6	1723.43	0.51	1723.88	1.2	1724.07
07/12/20 <sup>3</sup>	0.14	1724.17	1.2	1722.50	3.7	1723.93	7.8	1716.05	4.0	1709.15	1.2	1721.89	1.0	1724.74	2.5	1723.43	0.45	1723.91	1.1	1724.13
07/13/20 <sup>4</sup>	0.14	1724.18	1.3	1722.49	4.1	1723.93	7.7	1715.91	4.0	1709.15	1.5	1721.89	1.2	1724.73	2.8	1723.39	0.31	1723.89	1.1	1724.07
07/14/20	0.14	1724.19	1.3	1722.47	3.7	1723.91	7.7	1715.72	4.0	1709.16	1.2	1721.77	1.0	1724.73	2.7	1723.38	0.46	1723.89	1.2	1724.06
07/15/20	0.14	1724.19	1.3	1722.14	3.7	1723.91	7.7	1715.51	4.0	1709.15	1.2	1721.75	1.1	1724.67	2.7	1723.38	0.50	1723.90	1.2	1724.06
07/16/20	0.14	1724.18	1.3	1722.13	3.7	1723.90	7.7	1715.25	4.0	1709.15	1.2	1721.71	1.1	1724.66	2.7	1723.37	0.49	1723.90	1.2	1724.06
07/17/20	0.14	1724.19	1.3	1722.13	3.7	1723.90	7.7	1715.15	4.0	1709.15	1.1	1721.79	1.1	1724.66	2.7	1723.38	0.48	1723.90	1.2	1724.06
07/18/20	0.15	1724.20	1.2	1722.14	3.7	1723.91	7.7	1715.24	4.0	1709.15	1.1	1721.72	1.1	1724.67	2.7	1723.38	0.48	1723.90	1.2	1724.07
07/19/20	0.15	1724.20	1.3	1722.14	3.7	1723.91	7.8	1715.27	4.0	1709.15	1.2	1721.73	1.1	1724.67	2.8	1723.38	0.47	1723.91	1.1	1724.08
07/20/20 <sup>4</sup>	0.14	1724.20	1.3	1722.15	3.8	1723.94	7.7	1716.10	4.0	1709.15	1.2	1721.82	1.1	1724.10	2.7	1723.19	0.46	1723.93	1.2	1723.99
07/21/20	0.15	1724.17	1.3	1722.13	3.8	1723.92	7.7	1715.81	4.0	1709.14	1.3	1722.07	2.0	1724.06	3.1	1723.18	0.43	1723.93	1.4	1723.98
07/22/20	0.15	1724.14	1.3	1722.11	3.7	1723.91	7.7	1715.41	4.0	1709.15	1.2	1722.24	2.0	1724.02	3.0	1723.16	0.47	1723.90	1.5	1723.96
07/23/20	0.15	1724.11	1.4	1722.08	3.7	1723.89	7.7	1714.82	4.0	1709.14	1.2	1722.30	1.9	1724.00	3.0	1722.90	0.49	1723.87	1.5	1723.93
07/24/20	0.15	1724.08	1.4	1722.05	3.9	1723.86	7.7	1714.34	4.0	1709.13	1.2	1722.30	1.9	1723.97	3.5	1722.83	0.49	1723.85	1.5	1723.91
07/25/20	0.15	1724.05	1.4	1722.03	3.9	1723.85	7.7	1713.32	4.0	1709.10	1.2	1722.30	1.9	1723.93	3.5	1722.79	0.35	1723.83	1.6	1723.89
07/26/20	0.15	1724.02	1.4	1722.04	4.1	1723.84	7.6	1713.40	4.0	1709.11	1.2	1722.29	1.9	1723.94	3.4	1722.76	0.37	1723.83	1.6	1723.89
07/27/20 <sup>2</sup>	0.15	1724.04	1.4	1722.00	3.8	1723.84	7.7	1713.26	4.0	1709.13	1.2	1722.27	1.8	1723.99	3.2	1722.75	0.44	1723.84	1.5	1723.89
07/28/20	0.15	1724.06	1.4	1721.99	3.8	1723.83	7.8	1712.94	4.0	1709.13	1.2	1722.27	1.8	1723.91	3.4	1722.73	0.41	1723.81	1.6	1723.88
07/29/20	0.15	1724.04	1.3	1721.97	3.8	1723.82	7.7	1712.29	4.0	1709.13	1.2	1722.26	1.8	1723.89	3.3	1722.71	0.39	1723.80	1.5	1723.87
07/30/20	0.15	1724.04	1.2	1721.97	3.7	1723.81	7.7	1712.29	4.0	1709.12	1.2	1722.26	1.8	1723.87	3.3	1722.72	0.37	1723.81	1.4	1723.86
07/31/20	0.15	1724.05	1.3	1721.97	3.7	1723.81	7.7	1712.29	4.0	1709.11	1.1	1722.36	1.8	1723.86	3.2	1722.73	0.35	1723.81	1.4	1723.86
Monthly Average	0.15	1724.11	1.3	1722.23	4.0	1723.88	7.7	1714.93	4.0	1709.15	1.3	1721.77	1.5	1724.36	3.0	1723.15	0.36	1723.90	1.3	1724.01
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 (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	660	7/15/2020	670	7/15/2020	660	7/8/2020	230	7/8/2020	250	7/8/2020	280	7/7/2020	330	7/7/2020	380	7/7/2020	690	7/15/2020	840	7/15/2020
Hexavalent Chromium	16	7/15/2020	14	7/15/2020	9.1	7/8/2020	4.4	7/8/2020	2.5	7/8/2020	1.2	7/7/2020	5.3	7/7/2020	6.3	7/7/2020	14	7/15/2020	15	7/15/2020
Total Chromium	15 <sub>R</sub>	7/15/2020	13 <sub>R</sub>	7/15/2020	8.8	7/8/2020	4.3	7/8/2020	2.5	7/8/2020	1.2	7/7/2020	4.6	7/7/2020	6.1	7/7/2020	13 <sub>R</sub>	7/15/2020	14 <sub>R</sub>	7/15/2020

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 07/06, 07/13, 07/20, and 07/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 07/09 and 07/12, IWF offline briefly due to high inlet level.  
 4: On 07/20, IWF offline briefly due to maintenance.  
 9: On 07/20, I-C, I-D, I-E, I-L, I-M, I-N, I-O, I-R, I-S, I-T, I-W, I-X, and I-Y adjusted to meet flow target as directed by the Trust.  
 10: On 07/23, I-C, I-E, I-N, and I-W adjusted to meet flow target as directed by the Trust.  
 11: On 07/05, I-P 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-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y								
	Flow <sup>12</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>9,10</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)							
07/01/20	0.36	1722.85	0.96	1723.58	5.4	1721.86	0.24	1721.92	0.67	1718.34	4.3	1723.10	0.32	1724.29	3.2	1721.23	1.0	1718.82	7.9	1716.88					
07/02/20	0.35	1722.89	0.89	1723.52	5.4	1721.74	0.25	1721.94	0.65	1718.61	4.2	1723.10	0.32	1724.30	3.2	1721.19	1.0	1718.71	7.7	1716.87					
07/03/20	0.33	1722.93	0.86	1723.56	5.4	1721.65	0.25	1721.92	0.65	1718.56	4.2	1723.11	0.31	1724.32	3.3	1721.19	1.0	1718.67	7.7	1716.89					
07/04/20	0.33	1722.95	0.83	1723.75	5.4	1721.59	0.26	1721.87	0.65	1718.63	4.2	1723.13	0.31	1724.34	3.3	1721.20	1.0	1718.64	7.5	1716.94					
07/05/20	0.33	1722.95	0.76	1723.80	5.4	1721.55	0.27	1721.90	0.64	1718.83	4.2	1723.14	0.23	1724.53	3.3	1721.20	1.0	1718.61	7.2	1716.93					
07/06/20 <sup>2</sup>	0.37	1722.95	0.84	1724.02	5.4	1721.50	0.28	1721.89	0.65	1718.83	4.2	1723.15	0.30	1724.53	3.3	1721.18	1.0	1718.60	7.7	1716.96					
07/07/20	0.33	1722.96	0.62	1722.25	5.4	1721.47	0.27	1721.90	0.64	1718.85	4.1	1723.15	0.20	1724.55	3.2	1721.18	1.0	1718.54	7.3	1716.97					
07/08/20	0.33	1722.98	0.58	1722.31	5.4	1721.48	0.27	1721.90	0.65	1718.75	4.2	1723.16	0.19	1724.57	3.2	1721.17	1.0	1718.57	7.0	1717.01					
07/09/20 <sup>3</sup>	0.30	1723.15	0.52	1723.15	5.4	1721.53	0.26	1722.02	0.64	1718.84	4.1	1723.15	0.25	1724.12	3.2	1721.21	1.0	1718.57	7.5	1717.13					
07/10/20	0.25	1723.20	0.29	1724.41	5.4	1721.55	0.24	1722.07	0.64	1718.82	4.1	1723.14	0.41	1724.34	3.3	1721.24	1.0	1718.88	7.4	1717.13					
07/11/20	0.24	1723.22	0.27	1724.54	5.4	1721.54	0.25	1722.04	0.65	1718.73	4.1	1723.14	0.31	1724.35	3.3	1721.27	1.0	1718.87	7.9	1717.12					
07/12/20 <sup>3</sup>	0.24	1723.16	0.76	1722.46	5.4	1721.51	0.24	1722.17	0.66	1718.77	3.8	1723.18	0.23	1724.47	3.3	1721.28	1.0	1718.63	7.3	1717.15					
07/13/20 <sup>4</sup>	0.29	1723.18	0.58	1722.35	5.4	1721.45	0.26	1722.15	0.65	1718.70	4.1	1723.17	0.27	1724.45	3.2	1721.27	1.0	1718.58	7.4	1717.13					
07/14/20	0.28	1723.16	0.99	1722.31	5.4	1721.40	0.22	1722.17	0.66	1718.72	4.2	1723.15	0.24	1724.45	3.2	1721.26	1.0	1718.54	7.7	1717.07					
07/15/20	0.29	1723.15	0.98	1722.24	5.4	1721.36	0.23	1722.05	0.66	1718.71	4.1	1723.15	0.23	1724.45	3.2	1721.25	1.0	1718.51	7.8	1717.03					
07/16/20	0.31	1723.03	0.98	1722.31	5.4	1721.33	0.27	1721.92	0.67	1718.69	4.2	1723.14	0.23	1724.44	3.2	1721.25	1.0	1718.49	7.9	1716.98					
07/17/20	0.33	1723.05	0.95	1722.42	5.4	1721.31	0.28	1721.96	0.67	1718.68	4.2	1723.14	0.23	1724.44	3.3	1721.25	1.0	1718.49	8.2	1716.99					
07/18/20	0.30	1723.21	0.95	1722.49	5.4	1721.30	0.27	1721.95	0.67	1718.74	4.1	1723.15	0.24	1724.44	3.3	1721.25	1.0	1718.49	7.9	1716.97					
07/19/20	0.21	1723.47	0.90	1722.59	5.4	1721.28	0.28	1721.95	0.67	1718.75	4.2	1723.15	0.24	1724.45	3.3	1721.25	1.0	1718.49	7.6	1716.98					
07/20/20 <sup>4</sup>	0.29	1722.42	0.90	1721.90	5.4	1722.37	0.26	1721.04	0.66	1718.83	4.2	1723.18	0.24	1724.31	3.3	1720.82	1.0	1715.87	7.8	1717.24					
07/21/20	0.57	1722.68	1.1	1722.07	2.9	1722.66	0.46	1721.11	0.67	1718.73	4.2	1723.16	0.32	1724.37	3.7	1720.68	1.5	1716.21	8.0	1717.17					
07/22/20	0.52	1722.40	1.1	1722.19	2.7	1722.73	0.45	1721.15	0.67	1718.72	4.2	1723.14	0.29	1724.39	3.7	1720.61	1.5	1716.32	8.0	1717.08					
07/23/20	0.58	1722.25	1.1	1722.23	2.7	1722.76	0.44	1721.20	0.66	1718.85	4.2	1723.12	0.31	1724.03	3.7	1720.54	1.5	1716.38	7.9	1717.01					
07/24/20	0.58	1722.18	1.1	1722.25	2.7	1722.78	0.44	1721.30	0.66	1718.96	4.2	1723.09	0.31	1724.05	3.7	1720.44	1.5	1716.40	8.0	1716.96					
07/25/20	0.61	1722.04	1.0	1722.27	2.6	1722.76	0.37	1721.39	0.63	1719.04	4.2	1723.08	0.58	1724.07	3.7	1720.38	1.5	1716.39	7.8	1716.88					
07/26/20	0.85	1720.87	1.1	1722.29	2.7	1722.75	0.39	1721.40	0.64	1719.05	4.1	1723.07	0.39	1724.12	3.7	1720.33	1.5	1716.40	7.7	1716.87					
07/27/20 <sup>2</sup>	0.57	1723.19	1.1	1722.26	2.7	1722.72	0.40	1721.43	0.66	1719.07	4.2	1723.07	0.35	1724.16	3.6	1720.32	1.4	1716.37	7.9	1716.85					
07/28/20	0.18	1723.25	1.1	1722.29	2.8	1722.69	0.37	1721.46	0.64	1718.66	4.2	1723.06	0.34	1724.20	3.7	1720.30	1.5	1716.35	7.7	1716.83					
07/29/20	0.20	1723.04	0.95	1722.29	2.7	1722.70	0.37	1721.45	0.66	1718.68	4.2	1723.05	0.31	1724.17	3.7	1720.27	1.5	1716.34	7.7	1716.75					
07/30/20	0.21	1723.15	0.93	1722.42	2.7	1722.71	0.36	1721.48	0.66	1718.67	4.0	1723.04	0.33	1724.22	3.7	1720.26	1.5	1716.34	7.7	1716.74					
07/31/20	0.17	1723.25	0.89	1722.52	2.2	1722.91	0.36	1721.46	0.66	1718.70	3.9	1723.04	0.31	1724.19	3.7	1720.24	1.5	1716.45	7.3	1716.73					
Monthly Average	0.36	1722.88	0.86	1722.74	4.4	1721.97	0.31	1721.73	0.66	1718.76	4.1	1723.12	0.30	1724.33	3.4	1720.92	1.2	1717.74	7.7	1716.98					
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 (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date					
Perchlorate	570	7/15/2020	600	7/7/2020	290	7/7/2020	820	7/15/2020	990	7/15/2020	680	7/8/2020	790	7/15/2020	520	7/7/2020	380	7/7/2020	480	7/8/2020					
Hexavalent Chromium	15	7/15/2020	0.77	7/7/2020	1.6	7/7/2020	16	7/15/2020	16	7/15/2020	12	7/8/2020	14	7/15/2020	7.0	7/7/2020	0.97	7/7/2020	8.1	7/8/2020					
Total Chromium	14	B	7/15/2020	0.76	7/7/2020	1.6	B	7/7/2020	16	B	7/15/2020	16	B	7/15/2020	12	7/8/2020	13	B	7/15/2020	7.4	7/7/2020	0.98	7/7/2020	7.7	7/8/2020

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 07/06, 07/13, 07/20, and 07/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 07/09 and 07/12, IWF offline briefly due to high inlet level.  
 4: On 07/20, IWF offline briefly due to maintenance.  
 9: On 07/20, I-C, I-D, I-E, I-L, I-M, I-N, I-O, I-R, I-S, I-T, I-W, I-X, and I-Y adjusted to meet flow target as directed by the Trust.  
 10: On 07/23, I-C, I-E, I-N, and I-W adjusted to meet flow target as directed by the Trust.  
 12: On 07/25 and 07/28, I-Q adjusted to meet flow target as directed by the Trust.

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 <sup>4</sup> (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>5</sup> (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>6</sup> (gpm)	TA - ClO <sub>2</sub> (mg/L)	ETI - ClO <sub>4</sub> (mg/L)	TA - ClO <sub>3</sub> (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
07/01/20	938	63	0.34	ND	420	0.00				1,014		93	91			
07/02/20	938	62				0.00				1,019		95				
07/03/20	938	63				0.00				1,007		94				
07/04/20	939	62				0.00				1,002	95	95				
07/05/20	938	62				0.00				1,000		82				
07/06/20 <sup>3</sup>	938	63				0.00				1,041		57				
07/07/20	937	62				3.0	0.067	0.051	50	1,066		47			10	0.034
07/08/20	937	62	0.10	ND	470	0.00				1,061		55				
07/09/20	933	62				0.00				1,113		55				
07/10/20	910	63				0.00				1,087		48				
07/11/20	910	62				0.00				1,054	57	54				
07/12/20	911	62				0.00				1,004		51				
07/13/20 <sup>3</sup>	923	62				0.00				1,013		58			13	0.019
07/14/20	918	62				0.00				1,023		67				
07/15/20	953	62	6.2 B	ND	450	0.00				1,022		57				
07/16/20	941	64				0.00				1,006		58				
07/17/20	940	61				0.00				1,005		55				
07/18/20	939	62				0.00				1,083	60	58				
07/19/20	941	62				0.00				1,050		56				
07/20/20 <sup>3</sup>	936	58				0.00				1,056		58			8.5	0.051
07/21/20	940	61				0.00				1,053		53				
07/22/20	940	63	0.37	ND	470	0.00				1,060		56				
07/23/20	939	63				0.00				1,033		56				
07/24/20	940	63				0.00				1,016		58				
07/25/20	939	61				0.00				1,026	56	56				
07/26/20	933	64				0.00				1,012		56				
07/27/20 <sup>3</sup>	938	63				0.00				1,008		57			11	0.015
07/28/20	932	62				0.00				1,019		57				
07/29/20	938	62	0.17	ND	420	0.00				1,026		56				
07/30/20	940	63				0.00				1,041		57				
07/31/20	942	63				0.00				1,059		55				
Monthly Average <sup>2</sup>	935	62	1.58	ND	449	0.10	0.067	0.051	50	1,035	66	61	91	11	0.030	0.029

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>3</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 07/06, 07/13, 07/20, and 07/27, the LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 07/20, GWTP offline briefly due to maintenance.

5: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 06/01 to 06/30 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.

6: From 06/01 to 06/30, 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 <sup>7</sup>			2nd Stage FBR <sup>7</sup>			FBR Plant Effluent <sup>1</sup>							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow <sup>8</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)
07/01/20	1,002	6.4	-405	924	6.5	-366	1,072		ND	ND				36
07/02/20	1,059	6.4	-314	889	6.5	-346	863		ND					22
07/03/20	961	6.3	-354	942	6.4	-353	833		ND					23
07/04/20	1,027	6.4	-377	891	6.4	-362	1,026	ND	ND					25
07/05/20	1,007	6.5	-388	722	6.5	-379	1,048		ND					24
07/06/20	1,106	6.5	-380	934	6.6	-390	826		ND		0.0053	ND	ND	21
07/07/20	1,094	6.6	-390	918	6.6	-396	836		ND					28
07/08/20	1,063	6.6	-387	929	6.6	-398	1,097		ND					32
07/09/20	1,122	6.6	-378	1,002	6.7	-377	837		ND					25
07/10/20	1,051	6.6	-325	931	6.7	-386	849		ND					41
07/11/20	1,005	6.7	-341	929	6.7	-392	1,093	ND	ND					40
07/12/20	959	6.6	-305	1,013	6.6	-394	1,053		ND					25
07/13/20	1,064	6.4	-256	1,005	6.6	-399	788		ND		0.0060	ND	ND	24
07/14/20	1,044	6.4	-280	1,038	6.6	-400	842		ND					28
07/15/20	1,028	6.4	-268	989	6.6	-402	1,086		ND					28
07/16/20	1,008	6.1	-264	793	6.5	-378	811		ND					29
07/17/20	1,013	6.1	-268	1,013	6.5	-390	879		ND					45
07/18/20	1,049	6.2	-277	1,020	6.6	-402	1,082	ND	ND					29
07/19/20	1,079	6.2	-270	1,018	6.6	-401	819		ND					26
07/20/20	1,060	6.2	-350	1,011	6.6	-387	1,090		ND		0.0059	ND	ND	26
07/21/20	1,056	6.2	-336	968	6.6	-323	581		ND					23
07/22/20	1,057	6.2	-325	916	6.6	-330	1,108		ND					26
07/23/20	1,000	6.2	-285	884	6.6	-334	598		ND					22
07/24/20	1,002	6.2	-299	781	6.6	-337	1,066		ND					21
07/25/20	1,029	6.2	-357	966	6.5	-353	969	ND	ND					29
07/26/20	1,008	6.2	-377	859	6.6	-364	964		ND					19
07/27/20	1,021	6.2	-385	956	6.6	-372	1,056		ND					22
07/28/20	1,039	6.2	-390	978	6.6	-379	856		ND		0.0042 J	ND	ND	25
07/29/20	1,026	6.2	-366	1,006	6.6	-381	1,085		ND					25
07/30/20	1,055	6.2	-269	978	6.7	-349	1,081		ND					28
07/31/20	1,073	6.2	-367	1,025	6.6	-373	880		ND					25
Monthly Average <sup>2</sup>	1,038	6.3	-334	943	6.6	-375	938	ND	ND	ND	0.0053	ND	ND	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.

7: For 1st and 2nd stage FBRs, flow measurements are collected from the influent lines and pH and ORP samples are collected from the recycle lines.

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

GW-11 Level Monitoring <sup>1</sup>				
Date	Field Measurement (ft)	Volume (MG)		
07/15/20	31.7	34.4		
07/28/20	31.4	34.8		

GW-11 Leak Detection Monitoring				
Date	Amount Pumped <sup>2</sup> (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
07/15/20	0	0	849	0
07/30/20	0	0	669	0

GW-11 Composite Sample <sup>3</sup>		
Analytes	Concentration	Units
Perchlorate	5.1	mg/L
Chlorate	4.8	mg/L
Ammonia as N	0.18 J	mg/L
Total Phosphorus	ND	mg/L
Total Dissolved Solids (TDS)	11,000	mg/L
Total Suspended Solids (TSS)	8.8	mg/L
pH	8.6 HF	s.u.
Calcium	480	mg/L
Iron	0.056 J	mg/L
Chromium (total)	0.0084	mg/L
Chromium VI	ND	mg/L
Chloride	3,300	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,900	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: May 7, 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)		
Aug 2019	1,005	123	10	140	664	674
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	9.3	120	895	773
Jan 2020	1,050	73	9	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

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. Wash water is still being transferred to T-205 to be processed.

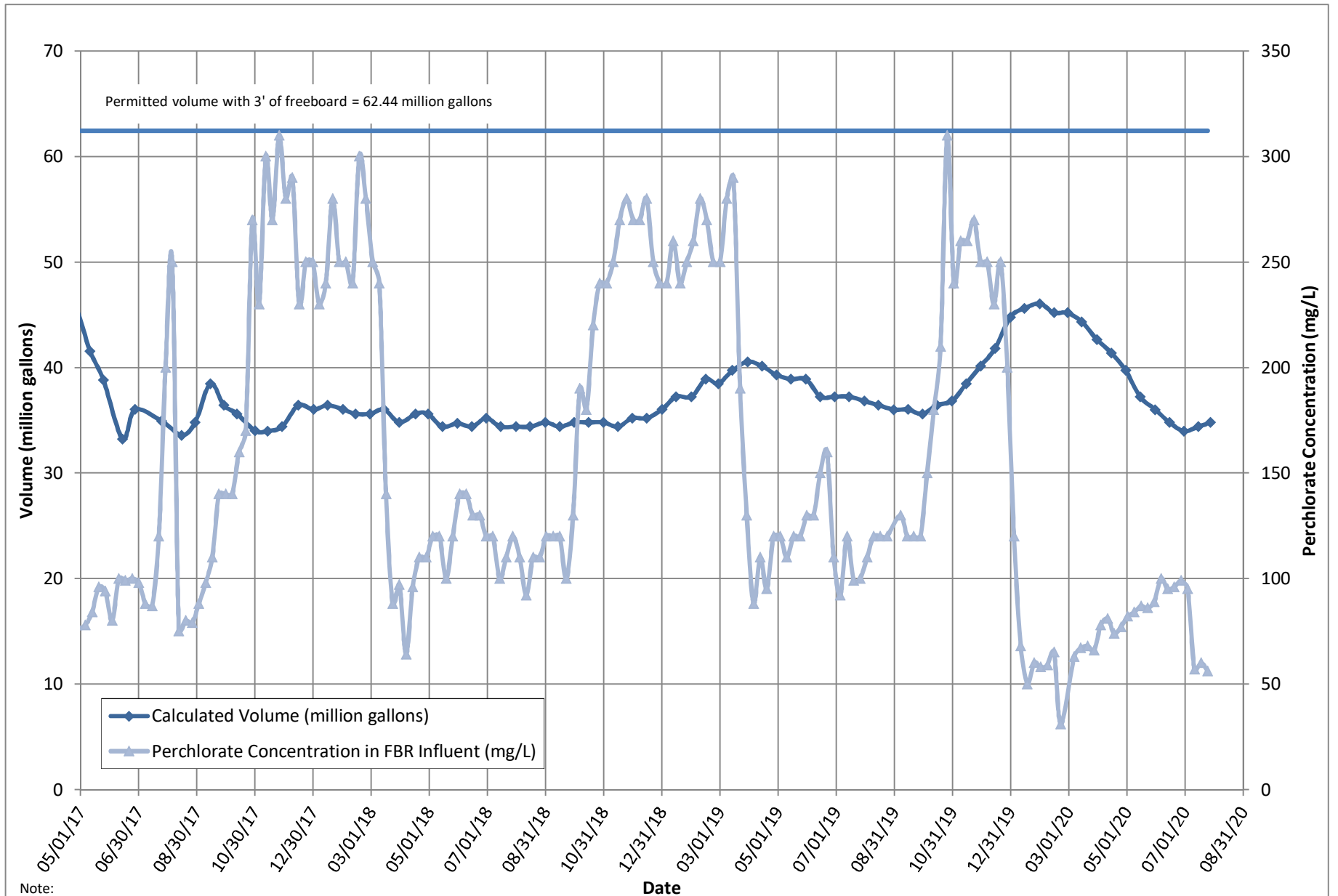
3: FBR loading calculated as  $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$ .

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)
07/01/20	2.5	1710.87	1.4	1709.71	0.92	1713.18	1.1	1712.76	1.2	1717.62	1.5	1717.97	1.7	1715.52	0.54	1717.07
07/02/20	1.9	1709.38	1.3	1709.12	0.86	1712.11	1.1	1710.92	1.2	1714.26	1.4	1711.64	1.6	1711.78	0.87	1713.32
07/03/20	2.9	1709.20	1.4	1708.84	0.93	1712.45	1.2	1710.46	1.3	1712.34	1.6	1714.85	1.7	1711.31	0.72	1712.67
07/04/20	2.4	1708.23	1.3	1709.02	0.90	1710.10	1.2	1711.15	1.2	1712.51	1.6	1712.48	1.7	1712.04	0.67	1711.93
07/05/20	2.4	1708.52	1.4	1709.34	0.89	1711.81	1.1	1711.61	1.3	1716.77	1.5	1716.30	1.6	1714.94	0.75	1715.46
07/06/20	2.4	1709.48	1.3	1709.87	0.90	1713.93	1.1	1711.84	1.3	1717.00	1.6	1716.46	1.7	1715.21	0.70	1716.61
07/07/20	2.4	1709.57	1.4	1710.46	0.90	1713.70	1.1	1712.42	1.3	1716.71	1.5	1716.54	1.6	1715.26	0.68	1716.72
07/08/20	2.4	1711.02	1.3	1710.74	0.9	1714.33	1.1	1711.73	1.2	1717.39	1.5	1717.05	1.6	1716.15	0.68	1716.14
07/09/20	2.5	1709.44	1.4	1710.38	0.92	1711.87	1.1	1711.60	1.4	1714.56	1.6	1715.94	1.6	1715.77	0.83	1715.29
07/10/20	2.4	1708.00	1.3	1709.49	0.87	1710.09	1.1	1712.29	1.3	1712.90	1.6	1715.63	1.6	1714.83	0.78	1711.52
07/11/20	2.2	1708.41	1.3	1709.34	0.88	1710.25	0.90	1710.68	1.0	1712.42	1.5	1714.65	1.6	1712.94	0.51	1713.89
07/12/20	2.6	1708.86	1.3	1710.14	0.86	1709.94	1.2	1712.11	1.3	1712.62	1.6	1713.95	1.7	1713.26	0.75	1712.91
07/13/20	2.6	1709.31	1.3	1709.99	0.86	1711.21	1.0	1711.00	1.2	1714.48	1.3	1715.03	1.5	1714.18	0.52	1711.27
07/14/20	2.6	1709.61	1.3	1709.55	0.86	1711.71	1.0	1712.14	1.3	1714.53	1.1	1714.41	1.6	1714.36	0.53	1715.80
07/15/20	2.6	1709.27	1.3	1712.16	0.88	1711.47	0.99	1710.60	1.3	1715.13	1.1	1718.44	1.6	1714.49	0.53	1716.82
07/16/20	2.6	1710.67	0.79	1709.96	0.87	1710.39	0.97	1712.31	1.3	1715.87	1.2	1717.92	1.6	1715.23	0.53	1716.18
07/17/20	2.6	1711.08	1.7	1710.15	0.88	1710.70	0.97	1717.00	1.3	1717.47	1.2	1720.23	1.6	1717.35	0.53	1719.20
07/18/20	2.6	1710.81	1.3	1709.78	0.82	1710.04	0.98	1717.22	1.3	1718.47	1.3	1721.37	1.6	1717.13	0.51	1717.97
07/19/20	2.6	1711.68	1.4	1709.82	0.85	1717.26	0.98	1717.05	1.3	1718.63	1.3	1721.33	1.6	1717.81	0.54	1721.76
07/20/20 <sup>2</sup>	0.58	1712.25	0.25	1710.48	0.29	1716.20	0.22	1716.93	0.17	1718.54	0.24	1720.99	0.31	1717.29	0.09	1719.83
07/21/20	2.8	1724.22	1.4	1724.41	0.80	1724.75	0.75	1724.66	1.2	1722.41	0.96	1723.99	1.7	1720.90	0.41	1722.42
07/22/20	2.7	1710.95	1.3	1709.15	0.91	1717.69	0.89	1718.27	1.2	1718.57	1.2	1722.02	1.6	1716.67	0.59	1722.21
07/23/20	2.7	1713.07	1.3	1714.26	0.90	1713.75	0.89	1716.11	1.2	1717.73	1.4	1720.47	1.6	1715.89	0.56	1717.89
07/24/20	2.6	1711.47	1.3	1714.26	0.90	1714.47	0.91	1716.47	1.4	1719.32	1.5	1719.65	1.4	1717.59	0.67	1720.71
07/25/20	2.6	1713.28	1.3	1710.66	0.92	1714.37	0.92	1716.27	1.4	1717.47	1.4	1719.85	1.5	1716.75	0.75	1719.02
07/26/20	2.6	1712.04	1.3	1709.83	0.90	1716.60	0.91	1716.66	1.4	1716.07	1.4	1718.70	1.5	1717.61	0.73	1712.16
07/27/20	2.5	1711.31	1.3	1709.61	0.94	1716.61	0.87	1717.08	1.3	1716.06	1.1	1719.04	1.6	1717.02	0.51	1714.52
07/28/20	2.6	1710.35	1.3	1709.40	0.94	1716.55	0.91	1717.19	1.4	1715.83	1.5	1719.46	1.6	1716.59	0.72	1715.67
07/29/20	2.6	1710.62	1.2	1709.77	1.1	1716.50	0.92	1717.16	1.4	1715.57	1.5	1718.03	1.6	1717.20	0.59	1715.49
07/30/20	2.6	1711.82	1.3	1710.55	1.0	1713.43	0.92	1715.67	1.4	1715.57	1.5	1717.94	1.6	1716.24	0.63	1715.38
07/31/20	2.5	1711.83	1.3	1711.74	1.0	1712.28	0.94	1716.10	1.4	1716.12	1.5	1718.03	1.6	1716.77	0.65	1716.21
Monthly Average	2.5	1710.86	1.3	1710.71	0.88	1713.54	1.0	1714.37	1.3	1716.16	1.4	1717.75	1.6	1715.68	0.62	1716.26
Analytical	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc <sup>3</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	470	7/1/2020	1,100	7/1/2020	425	7/1/2020	110	7/1/2020	300	7/1/2020	620	7/1/2020	770	7/1/2020	880	7/1/2020
Hexavalent Chromium	0.052	7/1/2020	0.31	7/1/2020	0.52	7/1/2020	0.032	7/1/2020	0.026	7/1/2020	0.041	7/1/2020	0.061	7/1/2020	0.14	7/1/2020
Total Chromium	0.055	7/1/2020	0.32	7/1/2020	0.52	7/1/2020	0.035	7/1/2020	0.035	7/1/2020	0.044	7/1/2020	0.066	7/1/2020	0.14	7/1/2020

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 07/20, AP Area wells offline intermittently for maintenance.  
 3: Duplicates taken on 07/01 for well E1-3; 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 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.

Figure 2 - FBR Equivalent Loading Calculation

