

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)								
09/01/20	553	164	1536.19	89	1541.19	131	1541.63	109	1536.84	71	1546.46	102	1547.61	50	1548.75	20	1549.73	9.0	1525.98								
09/02/20	550	164	1536.32	89	1541.72	130	1541.64	109	1536.95	72	1546.44	102	1547.62	50	1548.76	20	1549.74	9.0	1525.96								
09/03/20	548	164	1536.30	89	1541.18	131	1542.05	108	1536.92	72	1546.44	102	1547.63	50	1548.76	20	1549.75	9.0	1525.79								
09/04/20	548	165	1536.26	90	1541.39	130	1542.03	109	1536.90	72	1546.43	103	1547.62	51	1548.75	20	1549.74	9.7	1525.64								
09/05/20	548	164	1536.25	89	1541.45	130	1542.04	109	1536.89	71	1546.45	102	1547.62	50	1548.76	20	1549.75	9.0	1525.57								
09/06/20	553	164	1536.24	89	1541.60	130	1542.03	109	1536.88	72	1546.45	102	1547.63	50	1548.76	21	1549.75	9.0	1525.67								
09/07/20	553	162	1536.25	87	1541.51	128	1542.05	106	1536.87	70	1546.44	100	1547.64	49	1548.78	20	1549.77	8.9	1525.87								
09/08/20 <sup>2</sup>	292	89	1537.44	49	1541.36	71	1542.69	59	1537.65	39	1546.96	55	1548.16	28	1549.22	11	1550.15	4.9	1526.10								
09/09/20	567	164	1536.85	90	1541.31	131	1542.35	108	1537.33	72	1546.67	103	1547.91	50	1549.02	20	1549.98	9.7	1525.65								
09/10/20	557	165	1536.66	90	1541.15	130	1542.28	109	1537.22	72	1546.62	102	1547.83	51	1548.96	21	1549.93	9.7	1525.70								
09/11/20	563	165	1536.57	90	1541.79	131	1542.23	109	1537.16	72	1546.57	102	1547.80	50	1548.93	20	1549.91	9.7	1525.87								
09/12/20	565	164	1536.51	89	1541.99	131	1542.19	109	1537.13	71	1546.54	102	1547.77	50	1548.90	20	1549.89	9.0	1525.89								
09/13/20	565	165	1536.47	90	1541.29	130	1542.18	108	1537.08	72	1546.54	103	1547.75	50	1548.88	20	1549.87	9.7	1525.84								
09/14/20 <sup>3</sup>	563	164	1536.42	90	1541.50	130	1542.15	109	1537.04	71	1546.50	102	1547.73	50	1548.86	20	1549.85	9.6	1525.80								
09/15/20	495	165	1536.41	89	1541.79	130	1542.14	108	1537.01	72	1546.47	102	1547.73	50	1548.86	20	1549.85	9.0	1525.82								
09/16/20	456	164	1536.38	89	1541.75	131	1542.13	109	1537.00	72	1546.48	102	1547.71	50	1548.85	20	1549.84	9.7	1525.92								
09/17/20	455	162	1536.36	89	1540.73	128	1542.12	108	1536.99	70	1546.44	101	1547.71	50	1548.84	20	1549.83	8.9	1525.93								
09/18/20	456	166	1536.34	90	1542.23	132	1542.11	110	1536.96	72	1546.46	103	1547.70	51	1548.83	20	1549.82	9.8	1526.02								
09/19/20	455	163	1536.32	89	1541.53	129	1542.09	109	1536.96	71	1546.42	102	1547.69	50	1548.82	21	1549.81	9.0	1526.02								
09/20/20	461	164	1536.31	89	1541.05	131	1542.10	108	1536.93	72	1546.43	102	1547.68	50	1548.81	20	1549.81	9.7	1526.97								
09/21/20 <sup>3</sup>	457	164	1536.29	89	1541.61	130	1542.08	109	1536.91	71	1546.43	102	1547.67	50	1548.81	20	1549.80	9.4	1525.98								
09/22/20 <sup>4</sup>	455	164	1536.39	89	1542.31	130	1542.09	109	1536.95	71	1546.43	102	1547.67	50	1548.81	20	1549.80	9.1	1526.09								
09/23/20	457	164	1536.34	88	1541.57	129	1542.10	108	1536.91	71	1546.42	102	1547.66	50	1548.80	20	1549.79	9.7	1525.91								
09/24/20	456	165	1536.32	89	1542.09	131	1542.07	110	1536.89	72	1546.41	103	1547.66	51	1548.80	20	1549.79	9.1	1525.89								
09/25/20	456	164	1536.29	89	1542.14	130	1542.08	109	1536.87	71	1546.40	102	1547.65	50	1548.79	20	1549.78	9.7	1525.98								
09/26/20	456	165	1536.27	89	1542.04	130	1542.08	108	1536.86	72	1546.39	102	1547.64	50	1548.78	21	1549.77	9.0	1526.10								
09/27/20	457	164	1536.25	88	1541.90	131	1542.04	109	1536.84	72	1546.40	102	1547.64	50	1548.78	20	1549.77	9.7	1525.96								
09/28/20 <sup>3</sup>	456	164	1536.24	89	1541.54	130	1542.04	109	1536.81	71	1546.39	102	1547.63	50	1548.77	20	1549.76	9.4	1525.93								
09/29/20	456	164	1536.24	89	1541.60	131	1542.05	109	1536.81	72	1546.39	102	1547.64	50	1548.78	20	1549.77	9.7	1526.00								
09/30/20	456	164	1536.24	88	1542.09	130	1542.04	108	1536.81	71	1546.36	102	1547.64	50	1548.78	20	1549.77	9.0	1526.00								
Monthly Average	495	162	1536.39	88	1541.61	128	1542.10	107	1536.98	70	1546.47	101	1547.70	49	1548.83	20	1549.82	9.2	1525.93								
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						
Perchlorate	14		9/3/2020	16		9/3/2020	8.7		9/3/2020	7.9		9/3/2020	2.7		9/3/2020	0.39		9/3/2020	0.023		9/3/2020	0.046		9/3/2020	1.1		9/3/2020
Hexavalent Chromium	0.0070		9/3/2020	0.00049		9/3/2020	ND		9/3/2020	0.0079		9/3/2020	ND		9/3/2020	ND		9/3/2020	ND		9/3/2020	ND		9/3/2020	ND		9/3/2020
Total Chromium	0.0081		9/3/2020	ND		9/3/2020	ND		9/3/2020	0.0087		9/3/2020	ND		9/3/2020	ND		9/3/2020	ND		9/3/2020	ND		9/3/2020	ND		9/3/2020

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 Eurofins TestAmerica.

2: On 09/08, LS #1 and IX System offline briefly due to power loss.

3: On 09/14, 09/21, and 09/28, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 09/22, LS #1 and SWF offline intermittently due to maintenance.

5: Duplicates taken on 09/03 for well PC-117; 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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow* (gpm)	Water Elevation (ft amsl)
09/01/20	398	42	1584.12	154	1583.54	22	1585.04	3.5	1578.86	59	1582.66	20	1584.83	168	1583.52	1.5	1578.76
09/02/20	398	42	1584.13	153	1583.55	23	1585.05	3.5	1578.86	59	1582.66	20	1584.83	168	1583.53	1.5	1578.73
09/03/20	398	42	1584.14	153	1583.55	22	1585.05	4.2	1578.85	59	1582.69	19	1584.85	168	1583.53	1.5	1578.65
09/04/20	400	42	1584.14	153	1583.55	23	1585.05	3.5	1578.86	59	1582.69	20	1584.83	168	1583.53	1.5	1578.77
09/05/20	400	42	1584.14	153	1583.56	22	1585.06	3.5	1578.86	59	1582.71	20	1584.83	169	1583.54	1.5	1578.66
09/06/20	400	42	1584.16	154	1583.57	23	1585.07	3.5	1578.86	58	1582.71	20	1584.88	168	1583.55	1.5	1578.78
09/07/20	399	42	1584.17	154	1583.58	23	1585.07	4.1	1578.86	59	1582.73	20	1584.85	169	1583.56	1.5	1578.72
09/08/20	391	42	1584.19	153	1583.61	20	1585.10	3.5	1578.85	59	1582.70	20	1584.85	169	1583.58	1.5	1578.76
09/09/20	395	40	1584.17	154	1583.58	22	1585.06	3.5	1578.85	59	1582.70	20	1584.85	167	1583.55	1.5	1578.67
09/10/20	395	40	1584.17	151	1583.58	22	1585.06	4.2	1578.85	58	1582.70	19	1584.85	167	1583.55	1.5	1578.75
09/11/20	395	40	1584.18	151	1583.59	22	1585.07	3.5	1578.86	59	1582.73	20	1584.88	168	1583.56	1.5	1578.74
09/12/20	395	40	1584.17	151	1583.58	23	1585.06	3.5	1578.86	58	1582.76	20	1584.83	167	1583.55	1.5	1578.76
09/13/20	396	41	1584.18	150	1583.58	22	1585.06	3.5	1578.86	58	1582.73	20	1584.91	167	1583.55	1.5	1578.70
09/14/20 <sup>2</sup>	395	41	1584.18	152	1583.58	22	1585.07	3.7	1578.85	59	1582.76	20	1584.88	168	1583.55	1.5	1578.77
09/15/20	398	42	1584.18	154	1583.59	23	1585.07	3.5	1578.86	59	1582.76	19	1584.85	168	1583.56	1.5	1578.70
09/16/20	398	42	1584.18	153	1583.59	22	1585.07	3.5	1578.86	59	1582.77	20	1584.85	169	1583.56	1.5	1578.66
09/17/20	398	42	1584.18	153	1583.59	23	1585.07	4.1	1578.86	59	1582.79	20	1584.91	168	1583.56	1.5	1578.70
09/18/20	400	42	1584.19	153	1583.59	22	1585.08	3.5	1578.86	60	1582.81	20	1584.91	169	1583.56	1.5	1578.76
09/19/20	399	42	1584.19	154	1583.59	23	1585.08	3.5	1578.86	59	1582.84	19	1584.88	168	1583.56	1.5	1578.69
09/20/20	403	42	1584.19	154	1583.59	23	1585.08	4.2	1578.86	58	1582.84	20	1584.91	168	1583.56	1.5	1578.72
09/21/20 <sup>3</sup>	399	42	1584.19	153	1583.59	23	1585.08	3.7	1578.86	59	1582.81	20	1584.92	168	1583.56	1.5	1578.69
09/22/20	399	42	1584.18	153	1583.59	22	1585.08	4.2	1578.86	59	1582.87	20	1584.92	169	1583.56	1.5	1578.71
09/23/20	398	42	1584.18	153	1583.59	23	1585.08	3.5	1578.85	59	1582.87	20	1584.92	169	1583.56	1.5	1578.68
09/24/20	398	43	1584.19	154	1583.59	22	1585.08	3.5	1578.85	59	1582.90	20	1584.98	169	1583.57	1.5	1578.78
09/25/20	399	42	1584.19	153	1583.59	23	1585.08	4.2	1578.86	59	1582.90	20	1584.95	168	1583.56	1.5	1578.76
09/26/20	399	42	1584.19	153	1583.59	22	1585.08	3.5	1578.86	59	1582.90	19	1584.95	169	1583.56	1.5	1578.68
09/27/20	399	42	1584.19	154	1583.58	23	1585.08	3.5	1578.85	59	1582.91	20	1584.98	169	1583.56	1.5	1578.69
09/28/20 <sup>2</sup>	399	42	1584.19	153	1583.58	23	1585.08	3.7	1578.85	59	1582.91	20	1584.95	169	1583.56	1.5	1578.64
09/29/20	398	42	1584.19	153	1583.59	23	1585.08	3.5	1578.85	59	1582.94	19	1585.01	169	1583.56	1.5	1578.83
09/30/20	398	42	1584.19	153	1583.59	23	1585.09	4.2	1578.85	59	1582.97	20	1585.01	169	1583.57	1.5	1578.69
Monthly Average	398	42	1584.17	153	1583.58	22	1585.07	3.7	1578.86	59	1582.79	20	1584.90	168	1583.55	1.5	1578.72
Analytical <sup>1</sup>	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	25	9/3/2020	9.7	9/3/2020	180	9/3/2020	130	9/3/2020	170	9/3/2020	94	9/3/2020	70	9/3/2020	57	9/3/2020	
Hexavalent Chromium	ND	9/3/2020	0.0037	9/3/2020	0.32	9/3/2020	0.17	9/3/2020	0.63	9/3/2020	0.53	9/3/2020	0.078	9/3/2020	0.054	9/3/2020	
Total Chromium	0.0028	9/3/2020	0.0073	9/3/2020	0.33	9/3/2020	0.18	9/3/2020	0.65	9/3/2020	0.51	9/3/2020	0.076	9/3/2020	0.054	9/3/2020	

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 Eurofins TestAmerica.  
 2: On 09/14, 09/21, and 09/28, 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: Duplicates taken on 09/03 for well ART-2/2A; average of both values is presented and used for calculations.  
 4: 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.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>4</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>4</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>4 6 7 8</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
09/01/20	0.31	1717.67	1.0	1708.30	0.00	1720.38	0.00	1724.29	1.1	1735.51	0.62	1709.88	4.3	1715.71	1.2	1723.84	0.73	1722.18	4.5	1723.10
09/02/20 <sup>2</sup>	0.29	1718.36	1.0	1707.58	0.00	1720.45	0.00	1724.69	1.1	1735.41	0.45	1717.90	4.2	1717.02	1.2	1723.86	0.61	1722.96	4.4	1723.14
09/03/20	0.29	1718.49	1.1	1707.58	0.00	1720.46	0.00	1724.68	1.1	1735.70	0.35	1717.51	4.0	1717.05	1.2	1723.86	0.51	1722.95	4.5	1723.14
09/04/20 <sup>2</sup>	0.28	1719.11	1.1	1708.58	0.00	1720.54	0.00	1724.76	1.1	1734.68	0.29	1720.33	3.9	1717.47	1.1	1723.91	0.49	1723.02	4.3	1723.20
09/05/20	0.26	1719.33	1.1	1707.58	0.00	1720.58	0.00	1724.75	1.2	1734.39	0.32	1719.54	4.0	1717.60	1.0	1723.94	0.51	1723.01	4.5	1723.17
09/06/20 <sup>2</sup>	0.26	1719.54	1.1	1707.58	0.00	1720.60	0.00	1724.77	1.2	1734.62	0.42	1719.45	3.8	1718.19	1.0	1723.98	0.52	1723.00	4.4	1723.19
09/07/20 <sup>2</sup>	0.25	1719.86	1.1	1707.58	0.00	1720.66	0.00	1724.89	1.2	1732.94	0.36	1720.71	3.6	1718.75	0.99	1724.04	0.53	1723.04	4.1	1723.27
09/08/20 <sup>2</sup>	0.25	1719.97	1.1	1707.57	0.00	1720.71	0.00	1724.71	1.3	1733.56	0.27	1721.51	3.6	1719.33	0.83	1724.07	0.48	1723.35	4.1	1723.38
09/09/20 <sup>2</sup>	0.24	1720.01	1.0	1707.56	0.01	1720.77	0.00	1724.68	1.3	1732.64	0.24	1721.16	3.2	1720.07	0.57	1724.20	0.44	1723.27	3.9	1723.42
09/10/20	0.27	1719.45	1.1	1707.56	0.00	1720.79	0.00	1724.64	1.4	1731.54	0.31	1720.97	3.5	1720.21	0.53	1724.26	0.51	1723.35	4.5	1723.45
09/11/20	0.26	1719.50	1.1	1707.57	0.00	1720.80	0.00	1724.63	1.4	1730.77	0.20	1720.97	3.7	1718.28	0.79	1724.14	0.62	1722.50	4.7	1723.48
09/12/20	0.26	1719.59	1.1	1707.56	0.00	1720.80	0.00	1724.62	1.4	1730.04	0.23	1721.01	4.3	1718.18	1.4	1724.09	0.75	1722.67	4.7	1723.48
09/13/20 <sup>2</sup>	0.26	1719.38	1.1	1707.56	0.00	1720.81	0.00	1724.67	1.4	1728.86	0.29	1721.76	4.2	1718.28	1.4	1724.08	0.75	1722.55	4.6	1723.48
09/14/20 <sup>3</sup>	0.26	1719.43	1.1	1709.56	0.00	1720.84	0.00	1724.61	1.4	1734.44	0.26	1721.69	3.8	1718.27	1.4	1724.09	0.66	1722.63	4.4	1723.49
09/15/20	0.27	1719.20	1.1	1707.57	0.00	1720.85	0.01	1724.73	1.5	1734.42	0.19	1721.66	4.2	1718.39	1.3	1724.11	0.78	1721.70	4.5	1723.45
09/16/20	0.28	1718.95	1.1	1707.57	0.00	1720.82	0.00	1724.71	1.5	1734.39	0.23	1721.47	4.2	1718.11	1.3	1724.08	0.95	1722.32	3.0	1723.49
09/17/20	0.27	1719.47	1.1	1707.57	0.00	1720.79	0.00	1724.66	1.5	1734.40	0.24	1721.42	4.1	1718.00	1.3	1724.02	0.80	1722.28	4.2	1723.40
09/18/20	0.26	1719.61	1.1	1707.57	0.00	1720.77	0.00	1724.65	1.5	1734.44	0.22	1721.42	4.2	1717.80	1.3	1723.98	0.78	1722.23	4.2	1723.35
09/19/20	0.26	1719.61	1.1	1707.57	0.00	1720.76	0.00	1724.60	1.4	1735.30	0.19	1721.38	4.0	1717.69	1.3	1723.70	0.79	1722.17	4.2	1723.31
09/20/20	0.25	1719.62	1.1	1707.58	0.00	1720.75	0.00	1724.56	1.4	1735.43	0.22	1721.35	4.1	1717.59	1.3	1723.90	0.79	1722.15	4.2	1723.27
09/21/20 <sup>3</sup>	0.26	1719.65	1.1	1707.57	0.00	1720.74	0.00	1724.54	1.4	1736.16	0.22	1721.35	4.1	1717.52	1.3	1723.88	0.81	1722.48	4.2	1723.24
09/22/20	0.25	1719.61	1.1	1707.58	0.00	1720.72	0.00	1724.51	1.4	1736.39	0.22	1721.24	4.1	1717.45	1.3	1723.86	0.77	1720.91	4.2	1723.22
09/23/20	0.25	1719.68	1.1	1709.61	0.00	1720.73	0.00	1724.50	1.4	1736.59	0.24	1721.11	4.1	1717.41	1.3	1723.84	1.0	1721.32	4.2	1723.20
09/24/20	0.25	1719.71	1.1	1707.59	0.00	1720.66	0.00	1724.52	1.4	1738.12	0.22	1721.06	4.1	1717.35	1.3	1723.83	0.97	1721.39	4.2	1723.18
09/25/20	0.25	1719.95	1.1	1707.59	0.00	1720.64	0.00	1724.49	1.3	1737.73	0.21	1721.02	4.1	1717.20	1.3	1723.81	0.95	1721.48	4.2	1723.15
09/26/20	0.25	1720.04	1.1	1707.60	0.00	1720.63	0.00	1724.49	1.3	1737.64	0.25	1720.98	4.1	1717.12	1.3	1723.79	0.92	1721.54	4.2	1723.14
09/27/20	0.25	1720.11	1.1	1707.60	0.00	1720.61	0.00	1724.44	1.3	1736.54	0.22	1720.94	4.1	1717.04	1.3	1723.76	0.90	1721.55	4.2	1723.11
09/28/20 <sup>3</sup>	0.25	1719.74	1.1	1707.60	0.00	1720.60	0.00	1724.40	1.4	1732.45	0.23	1720.86	4.1	1716.99	1.3	1723.75	0.92	1721.63	4.2	1723.09
09/29/20	0.25	1719.77	1.1	1707.61	0.00	1720.59	0.00	1724.39	1.4	1732.65	0.24	1720.85	4.2	1716.94	1.3	1723.73	0.85	1721.70	4.2	1723.08
09/30/20	0.25	1719.83	1.1	1707.62	0.00	1720.58	0.00	1724.39	1.3	1732.78	0.22	1720.82	4.2	1716.90	1.3	1723.73	0.84	1721.68	4.2	1723.07
Monthly Average	0.26	1719.47	1.1	1707.77	0.00	1720.68	0.0	1724.60	1.34	1734.35	0.27	1720.44	4.0	1717.80	1.2	1723.94	0.73	1722.30	4.3	1723.27
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 <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	510	9/9/2020	35	9/9/2020	120	9/9/2020	200	9/15/2020	190	9/15/2020	350	9/9/2020	420	9/15/2020	720	9/15/2020	390	9/15/2020	460	9/9/2020
Hexavalent Chromium	0.61	9/23/2020	0.058	9/23/2020	0.00026	9/23/2020	1.6	9/15/2020	1.6	9/15/2020	0.62	9/23/2020	2.9	9/15/2020	4.6	9/15/2020	5.0	9/15/2020	11	9/9/2020
Total Chromium	29	9/9/2020	0.073	9/9/2020	0.023	9/9/2020	1.9	9/15/2020	1.7	9/15/2020	0.71	9/9/2020	3.0	9/15/2020	4.6	9/15/2020	5.1	9/15/2020	11	9/9/2020

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 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 Eurofins TestAmerica.  
 2: On 09/02, 09/04, 09/06, 09/07, 09/08, 09/09, and 09/13, IWF offline intermittently due to maintenance at GWTP.  
 3: On 09/14, 09/21, and 09/28, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 4: On 09/11, I-C, I-D, I-E, I-M, and I-S adjusted to meet flow target as directed by the Trust.  
 5: Duplicates taken on 09/15 for well I-C; average of both values is presented and used for calculations.  
 6: On 09/01, I-E, I-H, I-M, I-O, I-S, I-U, and I-W adjusted to meet flow target as directed by the Trust.  
 7: On 09/15, I-E, I-L, I-N, and I-S adjusted to meet flow target as directed by the Trust.  
 8: On 09/22, I-E and I-R 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) <sup>5</sup>	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>7</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>7,9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>10</sup> (gpm)	Water Elevation (ft amsl)
09/01/20	0.15	1723.77	1.5	1721.65	3.7	1723.51	7.5	1712.25	3.9	1709.05	1.3	1722.01	2.0	1723.33	3.5	1722.22	0.43	1723.41	2.1	1723.34
09/02/20	0.14	1723.78	1.5	1721.68	4.1	1723.53	7.4	1712.26	3.9	1709.69	1.2	1722.37	2.0	1723.42	3.2	1722.41	0.43	1723.50	1.9	1723.45
09/03/20	0.14	1723.78	1.5	1721.68	4.2	1723.52	7.5	1712.27	3.9	1709.06	1.0	1722.35	2.0	1723.41	3.0	1722.41	0.32	1723.50	1.8	1723.47
09/04/20	0.14	1723.78	1.4	1721.75	3.9	1723.56	7.4	1712.26	3.9	1709.06	0.77	1722.96	1.8	1723.59	2.5	1722.76	0.30	1723.56	1.5	1723.61
09/05/20	0.14	1723.77	1.4	1721.74	3.9	1723.54	7.5	1712.29	3.9	1709.05	0.57	1723.07	1.7	1723.62	2.8	1722.46	0.28	1723.56	1.3	1723.60
09/06/20	0.14	1723.79	1.3	1721.79	3.7	1723.56	7.5	1712.26	3.9	1709.06	0.58	1723.14	1.7	1723.70	2.9	1722.53	0.28	1723.60	1.3	1723.66
09/07/20	0.14	1723.83	1.2	1721.84	3.5	1723.62	7.4	1712.27	3.9	1709.06	0.53	1723.27	1.6	1723.72	2.5	1722.81	0.25	1723.63	1.2	1723.73
09/08/20	0.12	1723.87	1.4	1721.89	3.9	1723.65	7.1	1716.09	3.8	1709.04	0.49	1723.44	1.5	1723.82	2.0	1723.07	0.26	1723.65	1.0	1723.79
09/09/20	0.08	1723.92	1.5	1721.86	4.3	1723.67	6.6	1714.91	3.6	1709.06	0.31	1723.62	1.4	1723.90	1.5	1723.22	0.49	1723.55	1.1	1723.63
09/10/20	0.09	1723.94	1.5	1721.77	4.8	1723.58	7.5	1712.26	4.0	1709.06	0.35	1723.66	1.5	1724.00	1.6	1723.24	0.67	1723.47	1.5	1723.56
09/11/20	0.08	1723.97	1.5	1721.74	4.8	1723.54	7.5	1712.26	3.9	1709.04	0.36	1723.67	1.6	1723.77	1.6	1723.25	0.56	1723.43	1.5	1723.52
09/12/20	0.08	1723.98	1.5	1721.71	4.7	1723.52	7.5	1712.24	3.9	1709.05	0.37	1723.65	1.8	1723.77	1.6	1723.23	0.50	1723.41	1.5	1723.50
09/13/20	0.08	1723.98	1.5	1721.69	4.7	1723.51	7.5	1712.28	3.9	1709.05	0.35	1723.94	1.7	1723.86	1.6	1723.27	0.46	1723.53	1.4	1723.61
09/14/20	0.09	1723.97	1.5	1721.70	4.5	1723.51	7.3	1712.26	3.9	1709.04	0.40	1723.79	1.6	1723.86	1.7	1723.27	0.49	1723.54	1.4	1723.62
09/15/20	0.08	1723.98	1.5	1721.73	4.5	1723.52	7.5	1712.24	3.9	1709.00	0.49	1722.92	1.7	1723.90	1.8	1722.68	0.27	1723.56	1.2	1723.65
09/16/20	0.08	1723.98	1.5	1721.73	4.4	1723.52	7.4	1712.27	3.9	1709.04	1.3	1722.72	1.4	1723.68	3.2	1722.64	0.25	1723.56	1.2	1723.66
09/17/20	0.09	1723.98	1.5	1721.74	4.4	1723.52	7.5	1712.25	3.9	1709.04	1.3	1722.63	1.4	1723.77	3.2	1722.58	0.20	1723.57	1.2	1723.66
09/18/20	0.09	1723.98	1.5	1721.74	4.5	1723.52	7.5	1712.27	3.9	1709.05	1.3	1722.59	2.1	1723.74	3.2	1722.53	0.19	1723.57	1.1	1723.67
09/19/20	0.09	1723.96	1.5	1721.73	4.1	1723.52	7.5	1712.26	3.9	1709.03	1.3	1722.57	2.1	1723.75	3.2	1722.49	0.21	1723.56	1.2	1723.67
09/20/20	0.09	1723.94	1.5	1721.72	4.6	1723.51	7.5	1712.27	3.9	1709.04	1.3	1722.54	2.1	1723.68	3.2	1722.46	0.18	1723.66	1.2	1723.66
09/21/20	0.09	1723.93	1.5	1721.72	4.4	1723.51	7.5	1712.27	3.9	1709.05	1.3	1722.52	2.1	1723.66	3.2	1722.44	0.21	1723.55	1.2	1723.66
09/22/20	0.08	1723.91	1.5	1721.70	4.6	1723.49	7.4	1712.26	3.9	1709.04	1.3	1722.54	2.1	1723.63	3.1	1722.41	0.19	1723.54	1.2	1723.64
09/23/20	0.08	1723.90	1.5	1721.71	4.6	1723.49	7.4	1712.26	3.9	1709.04	1.2	1722.48	2.1	1723.61	3.1	1722.40	0.21	1723.53	1.2	1723.65
09/24/20	0.08	1723.90	1.5	1721.74	4.6	1723.50	7.4	1712.26	3.9	1709.04	1.2	1722.46	2.1	1723.61	3.1	1722.38	0.19	1723.55	1.2	1723.65
09/25/20	0.08	1723.88	1.5	1721.68	4.7	1723.48	7.5	1712.26	3.9	1709.05	1.2	1722.44	2.1	1723.59	3.1	1722.36	0.21	1723.50	1.4	1723.44
09/26/20	0.08	1723.87	1.5	1721.63	4.7	1723.47	7.5	1712.25	3.9	1709.06	1.2	1722.42	2.1	1723.57	3.1	1722.34	0.21	1723.48	1.8	1723.42
09/27/20	0.08	1723.85	1.4	1721.60	4.7	1723.45	7.4	1712.25	3.9	1709.05	1.2	1722.39	2.0	1723.57	3.1	1722.32	0.24	1723.46	1.8	1723.41
09/28/20	0.08	1723.83	1.5	1721.63	4.7	1723.43	7.4	1712.25	3.9	1709.04	1.2	1722.37	2.1	1723.55	3.1	1722.30	0.21	1723.44	1.4	1723.40
09/29/20	0.09	1723.81	1.4	1721.62	4.8	1723.41	7.4	1712.23	3.9	1709.04	1.2	1722.36	2.0	1723.54	3.1	1722.29	0.27	1723.42	1.8	1723.39
09/30/20	0.09	1723.81	1.4	1721.61	4.8	1723.41	7.4	1712.23	3.9	1709.04	1.2	1722.35	2.0	1723.52	3.1	1722.28	0.24	1723.42	1.8	1723.38
Monthly Average	0.10	1723.89	1.4	1721.72	4.4	1723.52	7.4	1712.27	3.9	1709.07	0.93	1722.83	1.9	1723.67	2.7	1722.64	0.31	1723.52	1.4	1723.57
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	9/1/2020	670	9/1/2020	690	9/15/2020	220	9/15/2020	300	9/15/2020	220	9/9/2020	370	9/15/2020	420	9/9/2020	650	9/1/2020	750	9/1/2020
Hexavalent Chromium	16	9/1/2020	15	9/1/2020	8.3	9/15/2020	4.0	9/15/2020	2.4	9/15/2020	1.4	9/23/2020	5.2	9/15/2020	6.9	9/9/2020	15	9/1/2020	15	9/1/2020
Total Chromium	14	9/1/2020	13	9/1/2020	8.1	9/15/2020	4.1	9/15/2020	2.4	9/15/2020	1.3	9/9/2020	5.2	9/15/2020	6.3	9/9/2020	13	9/1/2020	14	9/1/2020

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
  - 1: Analytical results are reported from Eurofins TestAmerica.
  - 2: On 09/02, 09/04, 09/06, 09/07, 09/08, 09/09, and 09/13, IWF offline intermittently due to maintenance at GWTP.
  - 3: On 09/14, 09/21, and 09/28, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
  - 4: On 09/11, I-C, I-D, I-E, I-M, and I-S adjusted to meet flow target as directed by the Trust.
  - 6: On 09/01, I-E, I-H, I-M, I-O, I-S, I-U, and I-W adjusted to meet flow target as directed by the Trust.
  - 7: On 09/15, I-E, I-L, I-N, and I-S adjusted to meet flow target as directed by the Trust.
  - 9: On 09/04, I-N flow adjusted to maintain level.
  - 10: On 09/25, I-P 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>8, 11</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>4, 6, 7</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow (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)
09/01/20	0.18	1722.83	0.98	1723.10	2.0	1722.75	0.32	1721.40	0.73	1715.64	4.2	1722.71	0.44	1723.33	3.7	1719.78	1.4	1716.35	7.6	1715.74
09/02/20	0.17	1722.86	0.93	1723.21	2.2	1722.75	0.29	1721.57	0.78	1716.70	4.2	1722.74	0.48	1723.57	3.6	1719.90	1.4	1716.69	7.6	1716.00
09/03/20	0.17	1722.86	0.92	1723.93	2.4	1722.75	0.27	1721.65	0.76	1716.71	4.1	1722.73	0.45	1723.57	3.7	1719.89	1.4	1716.74	7.6	1715.88
09/04/20	0.21	1722.73	0.75	1723.99	2.0	1723.08	0.20	1722.03	0.77	1716.09	4.1	1722.79	0.29	1723.72	3.6	1719.99	1.4	1717.32	7.1	1716.23
09/05/20	0.24	1722.71	0.82	1724.06	1.7	1723.18	0.17	1722.01	0.80	1716.06	4.1	1722.77	0.40	1723.73	3.7	1719.92	1.4	1717.50	7.5	1716.00
09/06/20	0.23	1722.77	0.77	1724.06	1.6	1723.26	0.17	1722.07	0.79	1717.00	4.1	1722.80	0.34	1723.95	3.6	1719.97	1.4	1717.54	7.3	1716.10
09/07/20	0.22	1722.83	0.58	1725.56	1.5	1723.38	0.16	1722.16	0.75	1717.20	4.1	1722.85	0.35	1723.64	3.7	1720.06	1.4	1717.70	7.3	1716.40
09/08/20	0.21	1722.74	0.57	1725.62	1.5	1723.45	0.18	1721.15	0.76	1715.69	4.1	1722.87	0.35	1724.06	3.6	1720.20	1.3	1718.09	7.5	1716.76
09/09/20	0.19	1722.84	0.48	1725.36	1.1	1723.66	0.31	1721.29	0.80	1714.81	3.9	1722.87	0.54	1723.27	3.3	1720.28	1.2	1718.01	7.5	1716.73
09/10/20	0.21	1722.86	0.52	1725.27	1.2	1723.71	0.34	1721.26	0.91	1714.97	4.5	1722.79	0.96	1723.09	3.8	1720.30	1.4	1718.06	8.4	1716.32
09/11/20	0.22	1722.89	0.53	1725.26	1.3	1723.63	0.34	1721.28	0.88	1717.03	4.3	1722.75	0.90	1722.98	3.8	1720.32	1.4	1718.09	8.4	1716.13
09/12/20	0.22	1722.91	0.53	1725.25	1.6	1723.63	0.35	1721.26	0.88	1714.88	4.2	1722.73	0.75	1722.97	3.8	1720.32	1.4	1718.09	8.1	1716.04
09/13/20	0.22	1722.90	0.74	1725.77	1.4	1723.78	0.34	1721.28	0.88	1714.54	4.2	1722.73	0.63	1723.46	3.7	1720.36	1.4	1718.18	7.9	1716.06
09/14/20	0.21	1722.90	0.56	1725.75	1.4	1723.81	0.31	1721.26	0.84	1714.43	4.2	1722.74	0.64	1723.53	3.7	1720.34	1.4	1718.23	8.0	1715.95
09/15/20	0.22	1722.91	0.54	1725.68	1.3	1723.46	0.34	1721.26	0.91	1714.42	4.2	1722.75	0.49	1723.56	3.7	1720.27	1.4	1718.12	8.3	1715.96
09/16/20	0.22	1722.94	0.55	1725.50	2.2	1723.30	0.34	1721.28	0.91	1714.46	4.2	1722.75	0.48	1723.56	3.7	1720.25	1.4	1717.91	8.2	1715.93
09/17/20	0.22	1722.91	0.54	1725.40	2.1	1723.23	0.34	1721.28	0.91	1714.46	4.2	1722.75	0.50	1723.58	3.7	1720.16	1.4	1717.84	8.3	1715.94
09/18/20	0.22	1722.89	0.51	1725.39	2.1	1723.20	0.34	1721.27	0.94	1713.92	4.2	1722.76	0.49	1723.59	3.6	1720.10	1.4	1717.77	8.3	1715.92
09/19/20	0.22	1722.85	0.49	1725.30	2.0	1723.18	0.34	1721.26	0.95	1713.84	4.2	1722.75	0.49	1723.55	3.6	1720.06	1.4	1717.77	8.2	1715.90
09/20/20	0.22	1722.82	0.50	1725.31	2.0	1723.16	0.34	1721.28	0.94	1714.17	4.2	1722.74	0.51	1723.48	3.7	1720.00	1.4	1717.73	7.3	1715.88
09/21/20	0.22	1722.80	0.52	1725.27	1.9	1723.14	0.33	1721.32	0.93	1714.20	4.2	1722.74	0.49	1723.48	3.7	1719.97	1.4	1717.71	8.1	1715.86
09/22/20	0.22	1722.77	0.70	1723.91	2.0	1723.12	0.32	1721.29	0.99	1714.33	4.2	1722.72	0.54	1723.48	3.7	1719.95	1.4	1717.57	7.4	1715.81
09/23/20	0.22	1722.76	1.1	1724.04	2.0	1723.08	0.33	1721.28	0.98	1714.43	4.2	1722.72	0.55	1723.48	3.7	1719.91	1.4	1717.43	7.6	1715.81
09/24/20	0.22	1722.76	1.0	1724.13	1.9	1723.07	0.33	1721.28	1.00	1714.43	4.3	1722.73	0.55	1723.49	3.7	1719.90	1.4	1717.42	8.1	1715.85
09/25/20	0.22	1722.74	0.99	1724.13	1.9	1723.04	0.32	1721.25	0.96	1707.48	4.3	1722.70	0.54	1723.43	3.6	1719.87	1.4	1717.39	8.1	1715.78
09/26/20	0.22	1722.72	1.0	1724.13	1.9	1723.03	0.32	1721.28	0.97	1708.49	4.3	1722.69	0.50	1723.55	3.6	1719.85	1.4	1717.37	8.1	1715.74
09/27/20	0.22	1722.70	1.0	1724.07	1.9	1723.01	0.31	1721.28	0.97	1716.76	4.3	1722.66	0.48	1723.52	3.7	1719.81	1.4	1717.33	8.2	1715.64
09/28/20	0.22	1722.68	0.92	1723.99	1.9	1722.99	0.32	1721.26	0.97	1713.32	4.3	1722.64	0.52	1723.52	3.7	1719.80	1.4	1717.33	8.1	1715.61
09/29/20	0.23	1722.66	1.0	1723.96	1.8	1722.98	0.32	1721.24	0.77	1714.37	4.4	1722.62	0.55	1723.51	3.7	1719.79	1.4	1717.33	8.3	1715.59
09/30/20	0.24	1722.65	0.98	1723.93	1.8	1722.97	0.33	1721.25	0.80	1714.99	4.4	1722.62	0.60	1723.50	3.7	1719.78	1.4	1717.33	8.2	1715.56
Monthly Average	0.21	1722.81	0.74	1724.64	1.8	1723.23	0.30	1721.40	0.87	1714.66	4.2	1722.74	0.53	1723.51	3.7	1720.04	1.4	1717.60	7.9	1715.97
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	590	9/1/2020	490	9/9/2020	240	9/9/2020	760	9/1/2020	890	9/1/2020	420	9/15/2020	630	9/1/2020	580	9/9/2020	300	9/9/2020	660	9/15/2020
Hexavalent Chromium	15	9/1/2020	0.97	9/23/2020	1.8	9/23/2020	16	9/1/2020	17	9/1/2020	11	9/15/2020	14	9/1/2020	8.1	9/9/2020	1.2	9/23/2020	7.5	9/15/2020
Total Chromium	13	9/1/2020	0.99	9/9/2020	1.8	9/9/2020	15	9/1/2020	15	9/1/2020	10	9/15/2020	14	9/1/2020	7.7	9/9/2020	1.2	9/9/2020	7.6	9/15/2020

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 1: Analytical results are reported from Eurofins TestAmerica.  
 2: On 09/02, 09/04, 09/06, 09/07, 09/08, 09/09, and 09/13, IWF offline intermittently due to maintenance at GWTP.  
 3: On 09/14, 09/21, and 09/28, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 4: On 09/11, I-C, I-D, I-E, I-M, and I-S adjusted to meet flow target as directed by the Trust.  
 6: On 09/01, I-E, I-H, I-O, I-S, I-U, and I-W adjusted to meet flow target as directed by the Trust.  
 7: On 09/15, I-E, I-L, I-N, and I-S adjusted to meet flow target as directed by the Trust.  
 8: On 09/22, I-E and I-R adjusted to meet flow target as directed by the Trust.  
 11: On 09/13, I-R 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>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>2</sub> (mg/L)	TA - ClO <sub>2</sub> (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
09/01/20	939	62				0.00				1,005		45				
09/02/20	939	62	0.092	ND	440	0.00				1,041		57				
09/03/20	939	63				0.00				1,102		57				
09/04/20	940	61				0.00				1,076		56				
09/05/20	938	63				0.00				1,080	57	55				
09/06/20	940	62				0.00				1,013		56				
09/07/20	941	61				0.00				1,042		52				
09/08/20 <sup>3</sup>	669	61				0.00				982		54				
09/09/20	950	56	0.77	ND	410	4.3	0.11	0.0044	61	1,038		53	120	9.2	0.019	0.015
09/10/20	940	62				0.00				1,077		52				
09/11/20	942	62				0.00				1,050		55				
09/12/20	942	62				0.00				1,015	63	56				
09/13/20	941	61				0.00				1,002		58				
09/14/20 <sup>4</sup>	943	60				0.00				1,040		56		8.0	0.029	0.017
09/15/20	938	59				0.00				1,027		51				
09/16/20	941	60	0.36	ND	470	0.00				1,031		52				
09/17/20	939	60				0.00				1,032		53				
09/18/20	937	61				0.00				997		54				
09/19/20	938	62				0.00				1,028	57	54				
09/20/20	949	62				0.00				1,048		53				
09/21/20 <sup>4</sup>	941	63				0.00				1,054		55		9.9	0.029	0.016
09/22/20	939	62				0.00				1,041		52				
09/23/20	939	62	0.47	ND	480	0.00				1,046		51				
09/24/20	937	62				0.00				1,046		49				
09/25/20	937	62				0.00				1,072		47				
09/26/20	938	62				0.00				1,016	61	51				
09/27/20	938	63				0.00				1,004		52				
09/28/20 <sup>4</sup>	938	62				0.00				1,058		50		10	0.019	0.016
09/29/20	938	62				0.00				1,069		50				
09/30/20	938	62	0.26	ND	560	0.00				1,016		42				
Monthly Average <sup>2</sup>	931	62	0.42	ND	466	0.14	0.110	0.004	61	1,038	59	53	120	9.2	0.024	0.016

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>2</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 = Eurofins TestAmerica data.  
 2: All average concentrations reported are monthly flow weighted averages.  
 3: On 09/08, LS #1 offline intermittently due to power loss.  
 4: On 09/14, 09/21, and 09/28, the LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 5: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 09/01 to 09/30 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.  
 6: From 09/01 to 09/30, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics															
Date	1st Stage FBR <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>2</sub> (mg/L)	ETI - ClO <sub>2</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)	
09/01/20	1,063	6.6	-363	972	6.6	-360	1,069		ND					28	
09/02/20	1,148	6.6	-402	1,027	6.6	-365	1,093		ND					35	
09/03/20	1,090	6.6	-403	1,003	6.7	-369	1,118		ND					30	
09/04/20	1,107	6.6	-299	907	6.6	-228	1,132		ND					40	
09/05/20	1,082	6.6	-282	845	6.5	-230	1,133	ND						30	
09/06/20	1,029	6.6	-339	1,047	6.5	-246	1,074		ND					28	
09/07/20	1,082	6.6	-289	1,036	6.5	-256	828		ND					25	
09/08/20	1,067	6.6	-334	970	6.5	-373	736		ND					40	
09/09/20	1,074	6.6	-349	926	6.6	-374	806		0.034 J		0.0093	ND	ND	22	
09/10/20	1,076	6.5	-315	958	6.5	-347	869		ND					34	
09/11/20	1,062	6.5	-250	991	6.5	-354	1,087		ND					35	
09/12/20	1,039	6.5	-237	977	6.5	-364	1,067	ND						22	
09/13/20	1,030	6.5	-217	871	6.6	-377	1,050		ND					21	
09/14/20	1,072	6.4	-259	784	6.7	-375	1,072		ND		0.0061	ND	ND	30	
09/15/20	1,044	6.4	-220	993	6.3	-337	1,074		ND					30	
09/16/20	1,034	6.4	-223	901	6.3	-338	1,068		ND					29	
09/17/20	1,028	6.4	-201	963	6.3	-342	1,054		ND					25	
09/18/20	1,014	6.4	-158	689	6.3	-339	1,039		ND					20	
09/19/20	1,064	6.4	-193	744	6.3	-355	1,094	0.0022						20	
09/20/20	1,050	6.4	-215	997	6.3	-363	1,089		ND					21	
09/21/20	1,097	6.4	-321	970	6.4	-378	1,102		ND		0.0099	ND	ND	26	
09/22/20	1,060	6.4	-277	998	6.4	-382	843		ND					18	
09/23/20	1,081	6.4	-345	864	6.4	-392	1,099		ND					20	
09/24/20	1,058	6.4	-238	961	6.3	-365	1,105		ND					25	
09/25/20	1,049	6.4	-284	944	6.4	-389	1,117		ND					20	
09/26/20	1,041	6.4	-257	927	6.3	-394	828	0.0010 J						20	
09/27/20	1,038	6.4	-290	848	6.3	-395	1,060		ND					17	
09/28/20	1,109	6.4	-401	995	6.4	-397	1,085		ND		0.0046 J	ND	ND	17	
09/29/20	1,076	6.4	-403	883	6.3	-401	1,109		ND					25	
09/30/20	1,047	6.4	-314	945	6.3	-396	816		ND					34	
Monthly Average <sup>2</sup>	1,064	6.5	-291	931	6.4	-352	1,024	0.0008	ND	0.034	0.008	ND	ND	26	

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).

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 = Eurofins 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)		
09/15/20	31.4	34.8		
09/30/20	31.7	34.4		

GW-11 Leak Detection Monitoring				
Date	Amount Pumped <sup>2</sup> (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
09/10/20	0	0	684	0
09/23/20	0	0	533	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)		
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	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
Sep 2020	1,038	59	9	120	492	516

## 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.

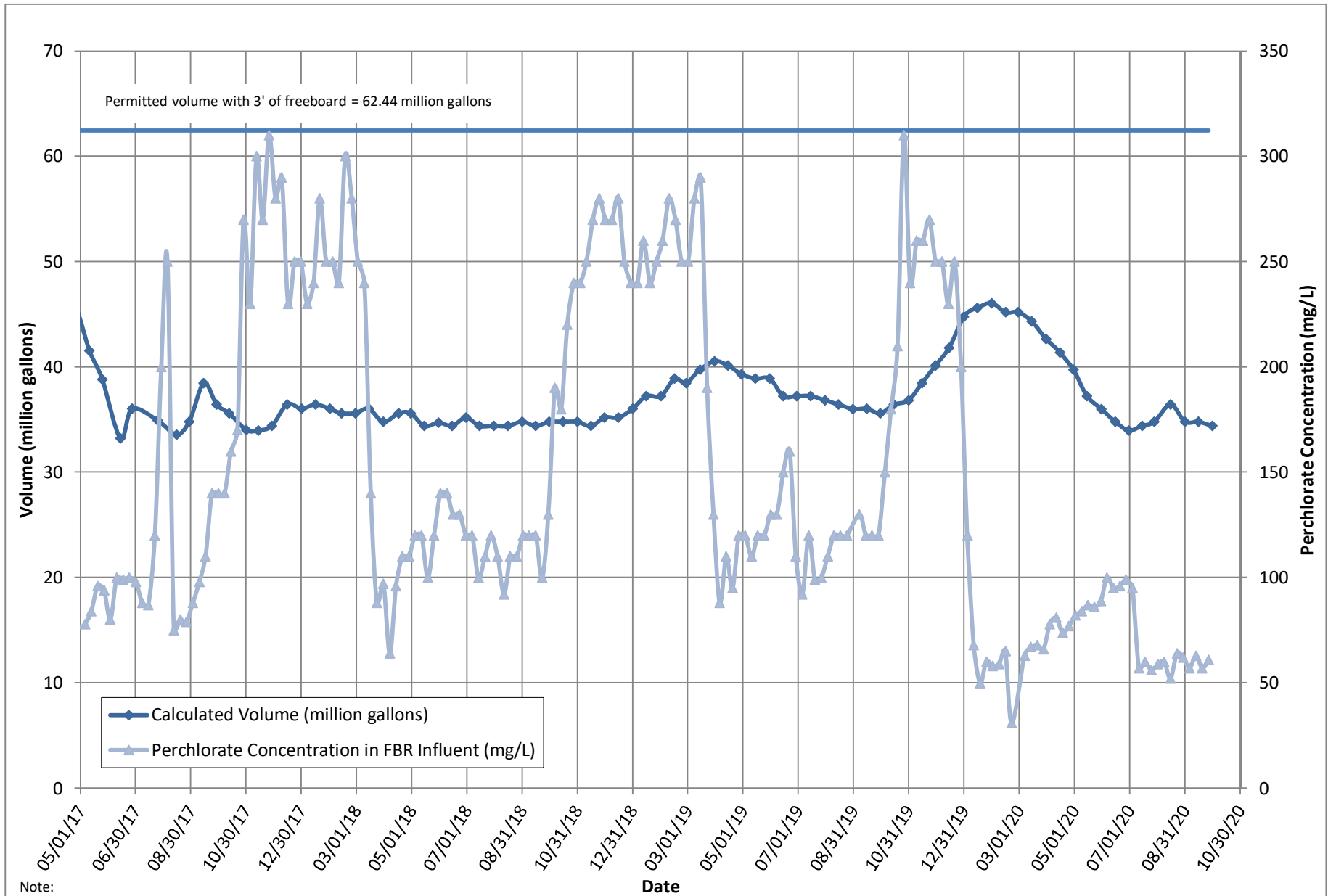
3: FBR loading calculated as  $[(0.9 \times \text{NO}_3 \text{ as N} + 0.17 \times \text{ClO}_3 + 0.18 \times \text{ClO}_4) \times \text{Flow} \times 1440 / 1000000 \times 8.34]$ .

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)
09/01/20	2.4	1710.83	1.3	1709.05	0.99	1711.46	0.90	1716.86	1.1	1716.32	1.4	1716.30	1.5	1715.67	0.61	1714.51
09/02/20 <sup>2</sup>	2.5	1711.17	1.3	1709.34	0.92	1711.65	0.12	1718.03	1.3	1718.20	1.4	1718.30	1.5	1715.38	0.57	1716.43
09/03/20	2.5	1710.81	1.3	1712.31	0.94	1709.64	0.59	1717.40	1.3	1712.95	1.6	1713.24	1.5	1715.19	0.61	1713.81
09/04/20	2.5	1711.38	1.2	1710.66	0.96	1711.37	0.60	1711.41	1.3	1713.70	1.5	1715.82	1.5	1717.13	0.63	1715.87
09/05/20	2.5	1711.02	1.3	1712.41	0.97	1710.97	0.61	1713.52	1.3	1714.21	1.5	1715.22	1.5	1717.39	0.61	1715.39
09/06/20	2.5	1713.32	1.3	1711.29	0.98	1711.67	0.62	1715.61	1.3	1713.45	1.5	1714.84	1.5	1716.56	0.63	1715.01
09/07/20	2.5	1711.72	1.3	1711.91	0.98	1711.45	0.61	1714.82	1.3	1713.62	1.5	1715.20	1.5	1716.94	0.61	1714.57
09/08/20	2.3	1711.78	1.2	1711.74	0.89	1711.40	0.63	1714.57	1.1	1713.71	1.2	1715.44	1.3	1716.91	0.54	1715.14
09/09/20 <sup>2</sup>	2.5	1712.45	1.2	1713.35	0.92	1712.12	0.90	1713.21	1.3	1714.04	1.3	1720.73	1.4	1717.12	0.57	1718.56
09/10/20	2.5	1711.48	1.2	1710.50	0.94	1714.47	0.86	1713.20	1.3	1714.81	1.3	1717.95	1.4	1717.31	0.59	1717.68
09/11/20	2.5	1711.59	1.2	1709.75	0.95	1716.80	0.97	1714.35	1.3	1716.47	1.3	1719.90	1.4	1717.85	0.74	1718.41
09/12/20	2.5	1711.68	1.2	1710.55	0.94	1714.40	0.93	1714.11	1.3	1716.26	1.3	1717.99	1.4	1717.73	0.72	1714.39
09/13/20	2.5	1711.71	1.2	1709.84	0.96	1716.86	0.94	1714.08	1.3	1716.04	1.4	1718.50	1.4	1717.80	0.73	1717.62
09/14/20	2.5	1711.75	1.2	1710.48	0.95	1714.80	0.96	1709.62	1.3	1712.59	1.4	1714.55	1.4	1715.79	0.74	1709.14
09/15/20	2.5	1711.64	1.2	1710.64	0.98	1714.60	0.92	1709.71	1.2	1712.50	1.4	1714.13	1.4	1715.71	0.74	1709.37
09/16/20	2.5	1712.47	1.2	1710.55	0.96	1714.55	0.96	1709.24	1.3	1712.71	1.4	1714.58	1.4	1715.48	0.74	1709.82
09/17/20 <sup>2</sup>	2.4	1712.58	1.1	1710.59	0.92	1714.51	0.75	1709.67	1.2	1713.40	1.3	1714.69	1.4	1715.56	0.56	1710.62
09/18/20	2.5	1710.72	1.2	1709.27	0.85	1714.57	0.83	1714.49	1.2	1714.14	1.2	1717.16	1.4	1715.34	0.68	1714.58
09/19/20	2.5	1714.22	1.2	1712.66	0.87	1713.50	0.82	1717.13	1.2	1715.63	1.2	1714.84	1.4	1717.65	0.67	1716.11
09/20/20	2.5	1711.66	1.2	1709.91	0.89	1718.52	0.81	1717.20	1.3	1716.58	1.2	1720.18	1.4	1717.96	0.66	1716.15
09/21/20	2.5	1710.16	1.1	1709.50	0.92	1717.28	0.75	1714.19	1.3	1713.71	1.2	1717.51	1.4	1715.82	0.91	1713.14
09/22/20	2.5	1710.11	1.2	1708.96	0.88	1716.01	0.87	1716.10	1.2	1713.90	1.2	1717.94	1.4	1716.19	0.48	1714.15
09/23/20 <sup>2</sup>	2.5	1710.31	1.2	1709.00	1.1	1715.90	0.75	1716.77	1.2	1722.23	1.7	1721.25	1.4	1717.53	0.71	1716.17
09/24/20	2.5	1709.57	1.1	1709.26	0.94	1714.75	0.78	1716.85	1.2	1719.94	1.4	1718.20	1.4	1716.89	0.50	1715.80
09/25/20	2.5	1708.61	1.2	1708.25	0.96	1713.08	0.75	1716.95	1.2	1714.84	1.5	1716.21	1.4	1714.51	0.59	1715.29
09/26/20	2.4	1709.96	1.1	1708.37	0.97	1711.39	0.80	1714.96	1.2	1716.07	1.5	1713.92	1.4	1714.34	0.56	1716.48
09/27/20	2.5	1709.43	1.1	1709.25	0.94	1712.45	0.77	1713.91	1.2	1715.51	1.5	1715.24	1.4	1715.56	0.58	1715.95
09/28/20	2.4	1709.37	1.1	1709.36	0.99	1712.07	0.78	1714.28	1.2	1713.30	1.5	1713.19	1.4	1715.14	0.52	1715.12
09/29/20	2.4	1709.45	1.1	1709.64	0.95	1711.66	0.76	1714.86	1.2	1713.12	1.5	1712.79	1.4	1715.66	0.56	1714.64
09/30/20	2.4	1709.52	1.2	1709.54	0.97	1711.48	0.76	1714.95	1.2	1713.16	1.5	1712.90	1.4	1715.59	0.57	1714.51
Monthly Average	2.5	1711.08	1.2	1710.27	0.95	1713.51	0.8	1714.40	1.2	1714.91	1.4	1716.29	1.4	1716.33	0.63	1714.81
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 <sup>3</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	540	9/1/2020	1,200	9/1/2020	480	9/1/2020	97	9/1/2020	330	9/1/2020	695	9/1/2020	820	9/1/2020	1,100	9/1/2020
Hexavalent Chromium	0.058	9/1/2020	0.37	9/1/2020	0.63	9/1/2020	0.031	9/1/2020	0.028	9/1/2020	0.052	9/1/2020	0.061	9/1/2020	0.13	9/1/2020
Total Chromium	0.057	9/1/2020	0.34	9/1/2020	0.60	9/1/2020	0.031	9/1/2020	0.028	9/1/2020	0.052	9/1/2020	0.072	9/1/2020	0.13	9/1/2020

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 Eurofins TestAmerica.  
 2: On 09/02, 09/09, 09/17, and 09/23, AP Area wells offline intermittently due to GWTP maintenance.  
 3: Duplicates taken on 09/01 for well E2-3; average of both values is presented and used for calculations.

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



Note:

1. Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was 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

