

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 <sup>3</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>3</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>3</sup> (gpm)	Water Elevation <sup>4</sup> (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)		
11/01/20	491	170	1536.14	92	1540.36	135	1542.10	113	1536.60	74	1546.35	107	1547.64	52	1548.84	21	1549.83	9.7	1526.29		
11/02/20	485	163	1536.13	88	1540.59	130	1542.10	108	1536.59	71	1546.35	102	1547.64	50	1548.85	20	1549.83	9.0	1526.40		
11/03/20	486	163	1536.12	88	1541.60	131	1542.09	108	1536.57	72	1546.38	102	1547.61	50	1548.84	20	1549.82	9.0	1526.45		
11/04/20	485	163	1536.10	88	1541.18	130	1542.09	108	1536.56	72	1546.34	102	1547.55	50	1548.83	20	1549.82	9.0	1526.42		
11/05/20	485	163	1536.12	88	1542.80	130	1542.10	108	1536.56	71	1546.37	102	1547.88	49	1548.85	20	1549.84	9.7	1526.38		
11/06/20	483	163	1536.12	88	1541.97	131	1542.10	109	1536.57	72	1546.40	102	< 1525.00	50	1548.86	20	1549.85	9.0	1526.72		
11/07/20	471	163	1536.09	89	1541.68	130	1542.10	108	1536.55	71	1546.37	103	< 1525.00	50	1548.84	20	1549.83	9.0	1526.76		
11/08/20	469	163	1536.08	88	1542.08	130	1542.10	108	1536.54	71	1546.36	102	1547.58	48	1548.84	19	1549.82	9.0	1526.52		
11/09/20 <sup>2</sup>	480	163	1536.08	88	1541.38	130	1542.08	108	1536.52	71	1546.35	102	1547.72	50	1548.82	20	1549.81	9.1	1526.44		
11/10/20	488	163	1536.12	88	1541.48	130	1542.08	108	1536.54	71	1546.22	102	1547.61	50	1548.84	20	1549.82	9.0	1526.43		
11/11/20	488	163	1536.10	88	1541.32	130	1542.09	108	1536.53	72	1546.27	102	1547.61	50	1548.84	20	1549.82	9.0	1526.47		
11/12/20	489	163	1536.10	89	1541.64	130	1542.09	108	1536.52	72	1546.30	102	1547.61	50	1548.84	19	1549.83	9.7	1526.41		
11/13/20	492	163	1536.21	88	1540.00	131	1542.08	107	1536.68	71	1549.35	101	1547.60	50	1548.86	20	1549.85	9.0	1526.53		
11/14/20	492	163	1536.20	88	1540.81	130	1542.10	108	1536.67	71	1546.32	102	1547.39	50	1548.86	20	1549.85	9.0	1526.39		
11/15/20	491	164	1536.20	88	1541.41	130	1542.10	108	1536.65	72	1546.29	102	< 1525.00	49	1548.87	20	1549.86	9.7	1526.35		
11/16/20	491	163	1536.64	88	1542.11	130	1542.12	108	1536.64	71	1546.36	102	< 1525.00	50	1548.89	20	1549.88	9.0	1526.46		
11/17/20	503	163	1536.21	89	1541.75	130	1542.13	108	1536.65	71	1546.37	102	< 1525.00	50	1548.91	20	1549.90	9.0	1526.52		
11/18/20	500	163	1536.20	88	1541.55	131	1542.16	108	1536.64	72	1546.35	102	1547.77	50	1548.92	20	1549.91	9.0	1526.60		
11/19/20	498	164	1536.20	89	1542.95	130	1542.16	107	1536.63	71	1546.38	102	1547.77	50	1548.92	20	1549.91	9.7	1526.53		
11/20/20	638	164	1536.20	89	1541.20	131	1542.16	108	1536.62	72	1546.38	103	1547.77	50	1548.93	20	1549.92	9.0	1526.57		
11/21/20	367	163	1536.20	89	1541.51	130	1542.14	108	1536.62	71	1546.38	102	1547.78	50	1548.94	20	1549.93	9.0	1526.60		
11/22/20	507	163	1536.21	89	1541.21	131	1542.16	108	1536.62	72	1546.38	102	1547.80	50	1548.96	20	1549.95	9.0	1526.71		
11/23/20 <sup>2</sup>	502	163	1536.20	89	1541.56	130	1542.16	108	1536.61	71	1546.42	102	1547.79	50	1548.95	20	1549.94	9.1	1526.72		
11/24/20	501	163	1536.20	89	1541.59	131	1542.18	108	1536.61	72	1546.42	102	1547.80	50	1548.95	20	1549.94	9.0	1526.62		
11/25/20	501	163	1536.21	89	1541.89	130	1542.19	108	1536.62	71	1546.40	103	1547.81	50	1548.96	20	1549.95	9.0	1526.64		
11/26/20	500	163	1536.21	89	1541.78	131	1542.16	108	1536.59	72	1546.45	102	1547.80	50	1548.96	20	1549.95	9.0	1526.65		
11/27/20	500	163	1536.22	89	1541.77	130	1542.20	108	1536.60	71	1546.43	102	1547.81	50	1548.97	20	1549.96	9.7	1526.56		
11/28/20	503	163	1536.23	89	1541.79	130	1542.17	108	1536.60	72	1546.49	102	1547.83	50	1548.98	20	1549.97	9.0	1526.60		
11/29/20	504	163	1536.22	89	1541.40	130	1542.18	107	1536.59	71	1546.45	102	1547.83	50	1548.98	20	1549.97	9.0	1526.58		
11/30/20 <sup>2</sup>	502	163	1536.23	89	1540.77	130	1542.20	108	1536.60	71	1546.40	102	1547.87	50	1548.99	20	1549.98	9.1	1526.62		
Monthly Average	493	163	1536.18	89	1541.54	130	1542.13	108	1536.60	71	1546.47	102	1543.92	50	1548.90	20	1549.88	9.2	1526.53		
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>2</sup> (mg/L)		Date	Conc (mg/L)		Date
Perchlorate	15	11/3/2020	18	11/3/2020	8.0	11/3/2020	8.7	11/3/2020	2.3	11/3/2020	0.30	11/3/2020	0.0023	11/3/2020	0.0020	11/3/2020	1.1	11/3/2020	1.1	11/3/2020	
Hexavalent Chromium	0.0064	11/3/2020	0.00038 J	11/3/2020	ND	11/3/2020	0.0072	11/3/2020	ND	11/3/2020	ND	11/3/2020	ND	11/3/2020	ND	11/3/2020	ND	11/3/2020	ND	11/3/2020	
Total Chromium	0.0045 J	11/3/2020	ND	11/3/2020	ND	11/3/2020	0.0059 J	11/3/2020	ND	11/3/2020	ND	11/3/2020	ND	11/3/2020	0.00055 J	11/3/2020	0.00088 J	11/3/2020	0.00088 J	11/3/2020	

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 11/09, 11/23 and 11/30, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these date  
 3: On 11/13, PC-117, PC-118, and PC-119 offline briefly due to maintenance issues.  
 4: On 11/06 and 11/15, PC-119 transducer pulled for maintenance.  
 5: Duplicates taken on 11/03 for well PC-121; 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 <sup>3</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>3</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>3</sup> (gpm)	Water Elevation (ft amsl)
11/01/20	426	44	1584.44	160	1583.83	24	1585.28	4.2	1578.85	65	1576.35	21	1584.92	176	1583.78	1.5	1578.66
11/02/20	407	42	1584.44	153	1583.84	23	1585.28	4.2	1578.85	63	1576.39	19	1584.91	167	1583.79	1.5	1578.75
11/03/20	408	42	1584.44	153	1583.83	23	1585.27	3.5	1578.85	63	1576.39	19	1584.90	171	1583.78	1.5	1579.15
11/04/20	408	40	1584.42	153	1583.82	22	1585.27	4.2	1578.85	62	1576.39	19	1584.88	176	1583.77	1.5	1579.32
11/05/20	407	40	1584.43	150	1583.84	23	1585.28	4.2	1578.85	62	1576.39	19	1584.91	175	1583.79	1.5	1579.31
11/06/20	408	40	1584.43	150	1583.85	23	1585.28	3.5	1578.85	60	1580.21	19	1584.85	176	1583.79	1.5	1579.27
11/07/20	407	40	1584.40	149	1583.81	22	1585.26	4.2	1578.85	59	1576.35	20	1584.82	176	1583.77	1.5	1578.75
11/08/20	407	40	1584.40	149	1583.80	23	1585.25	4.2	1578.84	59	1576.38	20	1584.87	176	1583.76	1.5	1579.32
11/09/20 <sup>2</sup>	407	41	1584.38	151	1583.79	23	1585.24	3.9	1578.84	61	1576.35	20	1584.82	174	1583.74	1.5	1579.21
11/10/20	409	42	1584.39	153	1583.80	23	1585.25	3.5	1578.84	60	1576.35	19	1584.87	171	1583.75	1.5	1579.01
11/11/20	409	42	1584.38	152	1583.80	22	1585.25	4.2	1578.84	60	1576.32	19	1584.82	171	1583.75	1.5	1579.22
11/12/20	409	42	1584.37	153	1583.79	23	1585.24	3.5	1578.84	60	1576.35	19	1584.82	172	1583.75	1.5	1579.15
11/13/20	406	42	1584.41	151	1583.82	22	1585.26	4.2	1578.85	60	1576.35	19	1584.83	170	1583.76	1.5	1579.28
11/14/20	406	42	1584.38	153	1583.80	22	1585.24	4.2	1578.84	60	1576.35	20	1584.84	169	1583.74	1.5	1579.23
11/15/20	407	42	1584.37	153	1583.80	23	1585.24	3.5	1578.85	60	1576.35	19	1584.82	169	1583.74	1.5	1578.74
11/16/20	405	42	1584.37	153	1583.80	22	1585.24	4.2	1578.84	60	1576.35	19	1584.83	168	1583.74	1.5	1579.14
11/17/20	406	42	1584.38	154	1583.81	23	1585.25	3.5	1578.85	60	1576.35	19	1584.83	169	1583.75	1.5	1579.11
11/18/20	406	41	1584.37	153	1583.80	22	1585.24	4.2	1578.85	60	1576.35	19	1584.80	176	1583.74	1.5	1578.78
11/19/20	405	40	1584.35	148	1583.78	23	1585.23	4.2	1578.84	60	1576.35	20	1584.83	175	1583.76	1.5	1579.21
11/20/20	406	40	1584.35	148	1583.78	22	1585.23	3.5	1578.85	60	1576.35	19	1584.80	175	1583.72	1.5	1579.31
11/21/20	405	40	1584.34	147	1583.77	23	1585.23	4.2	1578.84	60	1576.35	19	1584.83	175	1583.72	1.5	1578.70
11/22/20	405	40	1584.34	147	1583.77	22	1585.23	3.5	1578.85	58	1576.35	19	1584.82	175	1583.72	1.5	1579.08
11/23/20 <sup>2</sup>	405	41	1584.32	150	1583.76	23	1585.21	3.8	1578.85	60	1576.35	20	1584.79	174	1583.70	1.5	1579.04
11/24/20	407	42	1584.30	151	1583.74	23	1585.20	4.2	1578.84	60	1576.35	19	1584.79	170	1583.69	1.5	1579.23
11/25/20	408	42	1584.30	152	1583.74	22	1585.20	3.5	1578.84	60	1576.35	19	1584.79	170	1583.69	1.5	1579.12
11/26/20	408	42	1584.28	152	1583.72	22	1585.19	4.2	1578.84	60	1576.32	19	1584.79	171	1583.68	1.5	1578.65
11/27/20	405	42	1584.26	151	1583.71	22	1585.18	3.5	1578.84	60	1576.34	19	1584.79	170	1583.67	1.5	1578.89
11/28/20	405	42	1584.27	153	1583.71	22	1585.18	4.2	1578.84	60	1576.34	19	1584.79	169	1583.66	1.5	1578.79
11/29/20	405	42	1584.25	153	1583.69	22	1585.17	3.5	1578.85	60	1576.35	19	1584.79	169	1583.65	1.5	1579.06
11/30/20 <sup>2</sup>	406	42	1584.25	152	1583.69	22	1585.17	3.8	1578.85	60	1576.31	19	1584.76	170	1583.65	1.5	1578.95
Monthly Average	407	41	1584.36	152	1583.78	23	1585.23	3.9	1578.85	60	1576.48	20	1584.83	172	1583.73	1.5	1579.05
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>4</sup> (mg/L)	Date	Conc (mg/L)	Date	
Perchlorate	25	11/3/2020	10	11/3/2020	190	11/3/2020	140	11/3/2020	150	11/3/2020	86	11/3/2020	68	11/3/2020	42	11/3/2020	
Hexavalent Chromium	ND	11/3/2020	0.0036	11/3/2020	0.28	11/3/2020	0.14	11/3/2020	0.61	11/3/2020	0.33	11/3/2020	0.069	11/3/2020	0.037	11/3/2020	
Total Chromium	ND	11/3/2020	ND	11/3/2020	0.31	11/3/2020	0.16	11/3/2020	0.64	11/3/2020	0.34	11/3/2020	0.068	11/3/2020	0.040	11/3/2020	

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).  
 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 11/09, 11/23 and 11/30, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 11/13, ART-2/2A and ART-4/4A offline briefly due to maintenance issues.  
 4: Duplicates taken on 11/03 for well ART-8A; average of both values is presented and used for calculations.  
 5: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 11/01-11/30 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>4</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>7,8</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
11/01/20	0.25	1719.79	1.1	1708.53	0.00	1720.33	0.00	1724.53	1.2	1719.45	0.35	1718.89	4.6	1714.94	1.3	1723.35	0.87	1721.26	4.4	1722.63
11/02/20	0.23	1719.71	1.0	1708.61	0.00	1720.33	0.00	1724.55	1.2	1719.51	0.34	1718.83	4.4	1714.85	1.2	1723.33	0.82	1721.29	4.2	1722.61
11/03/20	0.23	1719.81	1.0	1708.61	0.00	1720.32	0.00	1724.52	1.1	1719.50	0.33	1718.69	4.4	1714.73	1.2	1723.31	0.82	1721.31	4.2	1722.58
11/04/20	0.22	1719.97	1.0	1708.57	0.00	1720.31	0.00	1724.49	1.2	1719.35	0.32	1718.77	4.4	1714.69	1.3	1723.29	0.82	1721.31	4.2	1722.56
11/05/20	0.23	1719.76	1.0	1708.61	0.00	1720.31	0.00	1724.67	1.2	1719.34	0.31	1718.55	4.4	1714.72	1.3	1723.29	0.77	1721.38	4.2	1722.57
11/06/20	0.23	1720.08	1.0	1708.58	0.00	1720.31	0.00	1724.72	1.2	1719.40	0.35	1718.63	4.2	1714.76	1.3	1723.29	0.76	1721.45	4.2	1722.56
11/07/20	0.23	1719.90	1.0	1708.61	0.00	1720.29	0.00	1724.48	1.2	1719.44	0.35	1718.70	4.2	1715.01	1.3	1723.24	0.74	1721.51	4.2	1722.50
11/08/20	0.24	1719.85	1.0	1708.63	0.00	1720.29	0.00	1724.43	1.2	1719.39	0.34	1718.66	4.2	1715.08	1.3	1723.22	0.70	1721.53	4.2	1722.48
11/09/20 <sup>2</sup>	0.23	1719.70	1.0	1708.68	0.00	1720.33	0.00	1724.36	1.2	1719.35	0.33	1718.63	4.3	1715.11	1.3	1723.20	0.76	1721.51	4.2	1722.45
11/10/20	0.28	1718.59	1.0	1708.50	0.00	1720.34	0.00	1724.38	1.1	1719.42	0.34	1718.61	4.2	1714.96	1.2	1723.20	0.86	1720.44	4.2	1722.45
11/11/20	0.26	1719.76	1.0	1708.76	0.00	1720.35	0.00	1724.41	1.1	1719.43	0.34	1718.67	4.2	1715.02	1.2	1723.18	0.96	1720.59	4.2	1722.42
11/12/20	0.24	1719.52	1.0	1708.21	0.03	1720.30	0.00	1724.40	1.1	1719.39	0.33	1718.76	4.2	1715.00	1.2	1723.18	0.93	1720.63	4.2	1722.40
11/13/20	0.26	1718.98	1.0	1708.31	0.00	1720.31	0.00	1724.46	1.1	1719.57	0.33	1718.83	4.2	1715.05	1.2	1723.19	0.92	1720.70	4.2	1722.40
11/14/20	0.26	1719.05	1.0	1708.29	0.00	1720.29	0.00	1724.36	1.1	1719.44	0.33	1718.75	4.2	1714.99	1.2	1723.16	0.90	1720.74	4.2	1722.36
11/15/20	0.24	1719.92	1.0	1708.36	0.00	1720.28	0.00	1724.36	1.1	1719.53	0.33	1718.72	4.2	1714.92	1.2	1723.15	0.88	1720.79	4.2	1722.34
11/16/20	0.23	1720.06	1.0	1708.40	0.00	1720.29	0.00	1724.38	1.0	1720.66	0.34	1718.60	4.2	1714.87	1.2	1723.15	0.88	1720.83	4.2	1722.33
11/17/20	0.23	1720.25	1.0	1708.46	0.00	1720.30	0.00	1724.42	0.9	1721.35	0.30	1719.36	4.2	1714.81	1.2	1723.14	0.83	1720.94	4.2	1722.32
11/18/20	0.22	1720.17	1.0	1708.47	0.00	1720.30	0.013	1724.48	0.9	1720.87	0.29	1719.15	4.2	1714.85	1.2	1723.13	0.82	1720.98	4.2	1722.30
11/19/20	0.24	1719.37	1.0	1708.51	0.00	1720.29	0.00	1724.42	1.0	1720.92	0.29	1719.20	4.2	1714.93	1.2	1723.11	0.81	1721.01	4.2	1722.28
11/20/20	0.26	1718.79	1.0	1708.59	0.00	1720.29	0.0	1724.41	1.0	1720.45	0.29	1719.19	4.2	1714.85	1.2	1723.11	0.82	1720.99	4.3	1722.26
11/21/20	0.26	1718.62	1.0	1708.61	0.00	1720.29	0.00	1724.38	1.1	1720.44	0.29	1719.23	4.2	1714.84	1.2	1723.09	0.79	1719.89	4.2	1722.25
11/22/20	0.25	1719.29	1.0	1708.66	0.00	1720.30	0.00	1724.41	1.0	1721.10	0.29	1719.42	4.2	1714.84	1.2	1723.08	1.0	1720.22	4.2	1722.25
11/23/20 <sup>2</sup>	0.25	1719.27	1.0	1708.60	0.00	1720.29	0.00	1724.39	1.0	1720.90	0.29	1719.45	4.2	1714.74	1.2	1723.04	0.85	1720.29	4.2	1722.21
11/24/20	0.27	1718.63	1.00	1708.71	0.00	1720.29	0.00	1724.31	1.0	1720.83	0.27	1719.50	4.2	1714.75	1.1	1723.02	0.93	1720.40	4.2	1722.19
11/25/20	0.27	1718.84	0.99	1708.84	0.00	1720.29	0.00	1724.33	1.0	1720.84	0.26	1719.59	4.2	1714.75	1.2	1722.96	0.91	1720.43	4.2	1722.18
11/26/20	0.26	1719.22	0.99	1708.80	0.00	1720.28	0.00	1724.29	1.0	1720.81	0.26	1719.59	4.1	1714.61	1.5	1722.92	0.90	1720.45	4.2	1722.16
11/27/20	0.25	1719.38	1.0	1708.87	0.00	1720.27	0.00	1724.26	1.0	1720.78	0.26	1719.50	4.1	1714.44	1.5	1722.89	0.88	1720.49	4.2	1722.13
11/28/20	0.24	1719.99	0.98	1708.82	0.00	1720.27	0.00	1724.28	1.0	1720.78	0.26	1719.57	4.1	1714.56	1.5	1722.87	0.88	1720.44	4.2	1722.12
11/29/20 <sup>3</sup>	0.22	1720.37	0.99	1708.57	0.00	1720.30	0.00	1724.46	1.0	1720.85	0.23	1720.06	3.8	1715.92	1.4	1722.88	0.81	1720.97	4.2	1722.12
11/30/20 <sup>2</sup>	0.25	1719.86	0.99	1708.85	0.00	1720.31	0.00	1724.43	1.0	1720.83	0.26	1720.02	4.1	1712.14	1.4	1722.86	0.89	1719.21	4.2	1722.11
Monthly Average	0.24	1719.55	1.0	1708.59	0.00	1720.30	0.0	1724.43	1.07	1720.13	0.31	1719.07	4.2	1714.79	1.3	1723.13	0.85	1720.80	4.2	1722.35
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	480	11/12/2020	42	11/12/2020	140	11/12/2020	260	11/18/2020	250	11/18/2020	400	11/12/2020	570	11/10/2020	790	11/10/2020	360	11/10/2020	660	11/10/2020
Hexavalent Chromium	0.61	11/12/2020	0.053	11/12/2020	0.0063	11/12/2020	1.5 F1	11/18/2020	1.6	11/18/2020	0.46	11/12/2020	3.3	11/10/2020	4.9	11/10/2020	5.8	11/10/2020	12	11/10/2020
Total Chromium	6.9	11/12/2020	0.055	11/12/2020	0.018	11/12/2020	1.6	11/18/2020	1.7	11/18/2020	0.47	11/12/2020	3.0	11/10/2020	4.2	11/10/2020	5.1	11/10/2020	10	11/10/2020

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 F1 = MS and/or MSD Recovery is outside acceptance limits.  
 1: Analytical results are reported from Eurofins TestAmerica.  
 2: On 11/09, 11/23 and 11/30, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 11/29, IWF offline intermittently due to high levels at GWTP.  
 4: From 11/16 to 11/17, I-AD offline intermittently due to instrument error.  
 5: On 11/30, I-C, I-E, I-H, I-P, I-S, and I-U adjusted to meet flow target as directed by the Trust.  
 6: On 11/25, I-D and I-S adjusted to meet flow target as directed by the Trust.  
 7: On 11/10, I-E, I-H, and I-P adjusted to meet flow target as directed by the Trust.  
 8: On 11/21, I-E, I-H, I-M, I-P, 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 <sup>7, 8, 10</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>8</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>7, 8, 11</sup> (gpm)	Water Elevation (ft amsl)
11/01/20	0.09	1723.57	1.5	1721.73	5.1	1723.28	7.6	1712.22	4.1	1708.10	1.3	1721.81	2.1	1723.12	3.7	1721.71	0.42	1723.27	1.6	1723.30
11/02/20	0.09	1723.57	1.4	1721.74	4.8	1723.29	7.3	1712.15	3.9	1708.10	1.3	1721.79	2.0	1723.10	3.5	1721.69	0.39	1723.29	1.5	1723.33
11/03/20	0.09	1723.54	1.3	1721.73	4.8	1723.28	7.3	1712.24	3.9	1708.12	1.3	1721.75	2.0	1723.07	3.5	1721.66	0.40	1723.28	1.5	1723.33
11/04/20	0.09	1723.51	1.3	1721.70	4.8	1723.26	7.2	1712.44	3.9	1708.10	1.3	1721.74	2.0	1723.05	3.5	1721.64	0.39	1723.27	1.4	1723.33
11/05/20	0.10	1723.54	1.4	1721.74	4.8	1723.30	7.2	1712.16	3.9	1708.10	1.3	1721.73	2.0	1723.09	3.5	1721.65	0.38	1723.31	1.4	1723.39
11/06/20	0.10	1723.56	1.5	1721.82	4.7	1723.35	7.4	1711.87	3.9	1709.10	1.3	1721.72	1.9	1723.10	3.5	1721.64	0.40	1723.37	1.4	1723.46
11/07/20	0.09	1723.50	1.5	1721.71	5.0	1723.30	7.4	1712.13	3.9	1708.10	1.3	1721.69	1.9	1723.05	3.5	1721.60	0.39	1723.32	1.3	1723.42
11/08/20	0.09	1723.47	1.4	1709.52	5.1	1723.27	7.5	1712.32	3.8	1708.10	1.3	1721.68	1.9	1723.04	3.7	1721.57	0.38	1723.27	1.3	1723.34
11/09/20 <sup>2</sup>	0.09	1723.42	1.4	1709.82	4.9	1723.22	7.3	1712.67	3.9	1708.10	1.3	1721.67	1.9	1723.02	3.5	1721.54	0.39	1723.21	1.4	1723.28
11/10/20	0.10	1723.42	1.9	1722.15	4.9	1723.22	7.2	1712.53	3.9	1708.10	1.3	1721.68	1.9	1723.04	3.6	1721.54	0.38	1723.22	1.5	1723.21
11/11/20	0.10	1723.40	1.1	1722.30	4.9	1723.23	7.2	1712.50	3.9	1708.10	1.3	1721.69	1.8	1723.02	3.6	1721.51	0.38	1723.24	1.7	1723.24
11/12/20	0.10	1723.39	1.1	1722.35	4.9	1723.23	7.2	1712.52	3.9	1708.11	1.3	1721.60	1.8	1723.03	3.6	1721.49	0.38	1723.25	1.7	1723.25
11/13/20	0.10	1723.40	1.1	1722.42	4.9	1723.26	7.3	1712.36	3.9	1708.10	1.3	1721.61	1.8	1723.05	3.5	1721.49	0.38	1723.29	1.7	1723.32
11/14/20	0.10	1723.36	1.0	1722.43	4.9	1723.22	7.3	1712.66	3.9	1708.10	1.3	1721.58	1.8	1723.02	3.5	1721.45	0.38	1723.26	1.6	1723.32
11/15/20	0.10	1723.35	1.0	1722.48	4.9	1723.23	7.2	1712.63	3.9	1708.11	1.3	1721.57	1.8	1723.02	3.5	1721.44	0.38	1723.28	1.5	1723.36
11/16/20	0.10	1723.35	1.0	1722.54	4.9	1723.26	7.0	1712.50	3.9	1708.11	1.3	1721.57	1.8	1723.02	3.5	1721.43	0.38	1723.31	1.5	1723.39
11/17/20	0.10	1723.36	0.94	1722.61	4.9	1723.28	7.1	1712.41	3.9	1708.11	1.3	1721.57	1.8	1723.01	3.5	1721.42	0.38	1723.35	1.4	1723.43
11/18/20	0.10	1723.34	0.94	1722.64	4.9	1723.29	7.2	1712.46	3.9	1708.11	1.3	1721.58	1.8	1723.01	3.5	1721.40	0.38	1723.36	1.4	1723.49
11/19/20	0.10	1723.32	0.9	1722.67	4.9	1723.27	7.0	1712.48	3.8	1708.11	1.3	1721.55	1.7	1722.98	3.5	1721.38	0.38	1723.36	1.2	1723.49
11/20/20	0.10	1723.32	0.91	1722.74	5.0	1723.28	7.1	1712.45	3.9	1708.12	1.3	1721.55	1.8	1722.98	3.5	1721.36	0.38	1723.37	1.2	1723.52
11/21/20	0.10	1723.31	0.84	1722.29	5.0	1723.29	7.1	1712.40	3.8	1708.10	1.3	1721.54	1.8	1722.75	3.5	1721.35	0.37	1723.37	1.2	1723.34
11/22/20	0.10	1723.34	1.2	1722.30	5.0	1723.29	7.4	1712.24	3.8	1708.11	1.3	1721.54	2.1	1722.73	3.6	1721.34	0.35	1723.31	1.8	1723.32
11/23/20 <sup>2</sup>	0.10	1723.28	0.95	1722.30	4.9	1723.25	7.1	1712.35	3.9	1708.10	1.3	1721.53	1.8	1722.69	3.5	1721.31	0.37	1723.27	1.4	1723.29
11/24/20	0.10	1723.25	1.1	1722.30	4.9	1723.22	7.2	1712.47	3.9	1708.11	1.3	1721.52	2.1	1722.68	3.5	1721.29	0.36	1723.25	1.6	1723.30
11/25/20	0.10	1723.24	1.1	1722.32	4.9	1723.23	7.2	1712.38	3.9	1708.11	1.3	1721.50	2.1	1722.66	3.5	1721.28	0.36	1723.26	1.5	1723.34
11/26/20	0.10	1723.21	1.1	1722.31	4.9	1723.21	7.2	1712.50	3.9	1708.11	1.3	1721.39	2.1	1722.62	3.5	1721.26	0.36	1723.25	1.4	1723.33
11/27/20	0.09	1723.18	1.1	1722.29	4.9	1723.20	7.3	1712.49	3.9	1708.11	1.3	1721.31	2.1	1722.59	3.5	1721.24	0.36	1723.23	1.4	1723.15
11/28/20	0.09	1723.17	1.0	1722.44	4.9	1723.20	7.3	1712.37	3.9	1708.11	1.3	1721.27	2.1	1722.57	3.5	1721.23	0.36	1723.20	2.0	1723.15
11/29/20 <sup>3</sup>	0.09	1723.16	0.80	1722.88	4.9	1723.20	7.2	1712.44	3.9	1708.10	1.3	1721.55	2.0	1722.64	3.3	1721.38	0.36	1723.23	1.5	1723.42
11/30/20 <sup>2</sup>	0.09	1723.15	1.0	1722.18	4.9	1723.20	7.2	1712.35	3.9	1708.11	1.3	1721.36	2.0	1722.63	3.5	1721.38	0.36	1723.18	1.6	1723.13
Monthly Average	0.10	1723.37	1.2	1721.42	4.9	1723.25	7.2	1712.39	3.9	1708.14	1.3	1721.59	1.9	1722.91	3.5	1721.46	0.38	1723.28	1.5	1723.33
Analytical <sup>4</sup>	Conc <sup>5</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	750	11/10/2020	730	11/10/2020	690	11/18/2020	310	11/18/2020	310	11/18/2020	200	11/12/2020	420	11/10/2020	410	11/10/2020	780	11/10/2020	840	11/10/2020
Hexavalent Chromium	13	11/10/2020	12	11/10/2020	7.6	11/18/2020	3.9	11/18/2020	2.2	11/18/2020	1.3	11/12/2020	5.8	11/10/2020	6.9	11/10/2020	11	11/10/2020	12	11/10/2020
Total Chromium	14 B	11/10/2020	12 B	11/10/2020	8.0	11/18/2020	4.0	11/18/2020	2.4	11/18/2020	1.4	11/12/2020	5.0	11/10/2020	6.0	11/10/2020	13 B	11/10/2020	13 B	11/10/2020

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 Eurofins TestAmerica.  
 2: On 11/09, 11/23 and 11/30, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 11/29, IWF offline intermittently due to high levels at GWTP.  
 5: On 11/30, I-C, I-E, I-H, I-P, I-S, and I-U adjusted to meet flow target as directed by the Trust.  
 7: On 11/10, I-E, I-H, and I-P adjusted to meet flow target as directed by the Trust.  
 8: On 11/21, I-E, I-H, I-M, I-P, and I-W adjusted to meet flow target as directed by the Trust.  
 9: Duplicates taken on 11/10 for well I-G; average of both values is presented and used for calculations.  
 10: On 11/08, I-H offline intermittently due to instrument error.  
 11: On 11/27, I-P and I-U adjusted to meet flow target as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	I-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 (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>12</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5 11</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>8</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
11/01/20	0.13	1722.89	1.4	1722.41	1.9	1722.56	0.38	1720.93	0.61	1718.40	4.6	1722.47	0.61	1723.46	3.8	1719.39	1.3	1717.07	8.8	1715.29
11/02/20	0.12	1722.42	1.1	1722.42	1.8	1722.55	0.37	1720.92	0.58	1718.43	4.5	1722.48	0.53	1723.54	3.7	1719.36	1.3	1717.05	8.4	1715.27
11/03/20	0.18	1722.49	1.2	1722.41	1.8	1722.54	0.36	1720.90	0.57	1718.47	4.5	1722.46	0.54	1723.52	3.8	1719.33	1.3	1717.01	8.4	1715.21
11/04/20	0.23	1722.41	1.2	1722.37	1.8	1722.53	0.35	1720.88	0.56	1718.48	4.5	1722.45	0.54	1723.53	3.8	1719.31	1.3	1716.99	8.4	1715.18
11/05/20	0.18	1722.35	1.2	1722.34	1.8	1722.53	0.36	1720.92	0.56	1718.63	4.4	1722.49	0.53	1723.59	3.8	1719.31	1.3	1717.00	8.4	1715.30
11/06/20	0.20	1722.37	1.2	1722.38	1.8	1722.53	0.35	1720.95	0.57	1718.72	4.2	1722.55	0.51	1723.69	3.8	1719.29	1.3	1716.99	8.4	1715.44
11/07/20	0.18	1722.39	1.2	1721.95	1.7	1722.52	0.35	1720.88	0.58	1718.58	4.2	1722.50	0.48	1723.63	3.8	1719.23	1.3	1716.98	8.4	1715.21
11/08/20	0.16	1722.36	1.2	1721.89	1.6	1722.51	0.35	1720.84	0.58	1718.92	4.2	1722.45	0.49	1723.57	3.8	1719.19	1.3	1716.97	8.4	1715.07
11/09/20 <sup>2</sup>	0.19	1722.02	1.2	1721.89	1.7	1722.51	0.35	1720.80	0.57	1718.67	4.3	1722.38	0.52	1723.50	3.8	1719.17	1.3	1717.00	8.4	1714.95
11/10/20	0.25	1722.13	1.2	1721.85	1.6	1722.52	0.36	1720.81	0.54	1718.68	4.4	1722.37	0.44	1723.59	3.7	1719.16	1.3	1716.99	8.4	1714.97
11/11/20	0.27	1722.03	1.2	1721.87	1.6	1722.53	0.36	1720.83	0.50	1719.49	4.4	1722.39	0.40	1723.65	3.7	1719.13	1.3	1717.00	8.4	1714.95
11/12/20	0.27	1722.07	1.2	1720.95	1.6	1722.52	0.36	1720.83	0.48	1719.50	4.4	1722.40	0.38	1723.66	3.7	1719.10	1.3	1716.88	8.4	1714.95
11/13/20	0.26	1722.03	1.2	1720.97	1.6	1722.52	0.36	1720.87	0.48	1719.47	4.5	1722.44	0.36	1723.75	3.6	1719.09	1.3	1716.88	8.4	1715.03
11/14/20	0.28	1721.95	1.2	1720.94	1.6	1722.51	0.36	1720.84	0.48	1719.43	4.5	1722.40	0.35	1723.71	3.6	1719.04	1.3	1716.85	8.4	1714.89
11/15/20	0.28	1721.93	1.2	1720.95	1.6	1722.50	0.35	1720.84	0.49	1719.32	4.5	1722.41	0.35	1723.74	3.7	1719.02	1.3	1716.82	8.4	1714.94
11/16/20	0.28	1721.93	1.2	1720.93	1.6	1722.50	0.36	1720.86	0.50	1719.36	4.5	1722.45	0.32	1723.80	3.8	1719.01	1.3	1716.83	8.4	1715.01
11/17/20	0.26	1722.01	1.2	1721.16	1.5	1722.50	0.35	1720.87	0.49	1719.53	4.5	1722.48	0.31	1723.86	3.7	1719.00	1.3	1716.89	8.4	1715.07
11/18/20	0.25	1722.00	1.2	1721.11	1.5	1722.61	0.35	1720.85	0.48	1719.52	4.5	1722.49	0.29	1723.88	3.8	1718.99	1.3	1716.89	8.4	1715.06
11/19/20	0.25	1721.96	1.2	1721.07	1.5	1722.50	0.35	1720.84	0.49	1719.40	4.4	1722.48	0.29	1723.89	3.7	1718.96	1.3	1716.96	8.4	1714.99
11/20/20	0.26	1721.95	1.2	1721.07	1.5	1722.50	0.35	1720.83	0.49	1719.49	4.3	1722.49	0.28	1723.92	3.8	1718.94	1.3	1716.95	8.5	1715.00
11/21/20	0.26	1721.94	1.2	1721.09	1.5	1722.49	0.35	1720.86	0.47	1719.60	4.2	1722.50	0.27	1723.60	3.8	1718.93	1.3	1716.95	8.4	1715.07
11/22/20	0.25	1722.03	1.2	1721.10	1.5	1722.49	0.32	1718.48	0.48	1719.52	4.2	1722.48	0.60	1723.57	3.7	1718.93	1.3	1717.22	8.4	1715.16
11/23/20 <sup>2</sup>	0.25	1722.00	1.2	1721.24	1.5	1722.53	0.35	1718.02	0.48	1718.80	4.3	1722.43	0.34	1723.53	3.7	1718.88	1.3	1717.21	8.4	1714.98
11/24/20	0.25	1721.90	1.2	1721.25	1.5	1722.52	0.65	1717.94	0.52	1718.87	4.4	1722.39	0.54	1723.55	3.7	1718.86	1.3	1717.23	8.4	1714.87
11/25/20	0.23	1721.96	1.2	1721.29	1.5	1722.39	0.65	1717.88	0.52	1718.85	4.4	1722.40	0.51	1723.58	3.6	1718.84	1.3	1717.23	8.4	1714.91
11/26/20	0.21	1721.98	1.1	1721.25	2.0	1722.33	0.66	1717.78	0.51	1718.95	4.4	1722.38	0.50	1723.59	3.6	1718.81	1.3	1717.16	8.4	1714.82
11/27/20	0.20	1721.97	1.1	1721.22	1.9	1722.30	0.65	1717.70	0.53	1716.22	4.5	1722.36	0.47	1723.59	3.6	1718.79	1.3	1717.09	8.4	1714.82
11/28/20	0.28	1721.71	1.1	1721.18	1.9	1722.29	0.66	1717.38	0.61	1718.04	4.4	1722.34	0.46	1723.55	3.6	1718.78	1.3	1717.06	8.4	1714.87
11/29/20 <sup>3</sup>	0.22	1722.02	1.1	1722.52	1.4	1722.61	0.67	1717.42	0.49	1719.29	4.4	1722.37	0.54	1723.38	3.6	1718.83	1.2	1717.39	8.4	1715.03
11/30/20 <sup>2</sup>	0.23	1721.79	1.1	1722.38	1.8	1722.24	0.66	1717.31	0.53	1722.44	4.4	1722.34	0.50	1723.27	3.6	1718.82	1.3	1717.32	8.4	1715.04
Monthly Average	0.23	1722.10	1.2	1721.58	1.7	1722.49	0.43	1719.94	0.52	1718.85	4.4	1722.43	0.44	1723.62	3.7	1719.05	1.3	1717.03	8.4	1715.05
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	640	11/10/2020	520	11/12/2020	220	11/12/2020	1,700	11/10/2020	1,100	11/10/2020	660	11/18/2020	750	11/10/2020	550	11/10/2020	320	11/12/2020	400	11/18/2020
Hexavalent Chromium	13	11/10/2020	1.0	11/12/2020	1.8	11/12/2020	14	11/10/2020	14	11/10/2020	9.4	11/18/2020	11	11/10/2020	8.7	11/10/2020	1.2	11/12/2020	7.0	11/18/2020
Total Chromium	13 B	11/10/2020	1.0	11/12/2020	1.7	11/12/2020	14 B	11/10/2020	14 B	11/10/2020	10 D	11/18/2020	13 B	11/10/2020	7.6	11/10/2020	1.2	11/12/2020	6.8	11/18/2020

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 Eurofins TestAmerica.  
 2: On 11/09, 11/23 and 11/30, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 11/29, IWF offline intermittently due to high levels at GWTP.  
 5: On 11/30, I-C, I-E, I-H, I-P, I-S, and I-U adjusted to meet flow target as directed by the Trust.  
 6: On 11/25, I-D and I-S adjusted to meet flow target as directed by the Trust.  
 8: On 11/21, I-E, I-H, I-M, I-P, and I-W adjusted to meet flow target as directed by the Trust.  
 11: On 11/27, I-P and I-U adjusted to meet flow target as directed by the Trust.  
 12: On 11/22, I-T offline intermittently for maintenance.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent <sup>1</sup>				GW-11 Influent <sup>1</sup>				FBR Plant Influent <sup>1</sup>						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>4</sup> (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>4,5</sup> (gpm)	TA - ClO <sub>2</sub> (mg/L)	ETI - ClO <sub>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)
11/01/20	988	65				0.00				1,053		55				
11/02/20	965	63				0.00				1,027		52				
11/03/20	957	62				4.5	0.060	0.044	69	1,037		55	100	10	0.016	0.014
11/04/20	955	62	0.28	ND	470	0.00				1,086		52				
11/05/20	954	62				0.00				1,051		55				
11/06/20	950	62				0.00				1,060		51				
11/07/20	950	62				0.00				1,034		56	48			
11/08/20	949	62				0.00				1,028		55				
11/09/20 <sup>3</sup>	952	62				0.00				1,068		52		11	0.013	0.018
11/10/20	946	62				0.00				1,028		47				
11/11/20	947	62	0.097	ND	510	0.00				1,026		52				
11/12/20	946	62				0.00				1,031		54				
11/13/20	942	62				0.00				1,018		54				
11/14/20	945	62				0.00				1,030		53				
11/15/20	945	62				0.00				1,022		54				
11/16/20	945	62				0.00				1,027		54		11	0.027	0.013
11/17/20	956	61				0.00				1,023		54				
11/18/20	949	61	0.085	ND	460	0.00				1,033		56				
11/19/20	948	61				0.00				1,033		56				
11/20/20	949	62				0.00				1,039		51				
11/21/20	947	61				0.00				1,040		54	61			
11/22/20	948	62				0.00				1,034		57				
11/23/20 <sup>3</sup>	949	62	0.51 B7	ND	540	0.00				1,043		56		9.9	0.030 B7	0.030
11/24/20	945	62				0.00				1,033		55				
11/25/20	945	62				0.00				1,038		54				
11/26/20	944	63				0.00				1,045		56				
11/27/20	943	62				0.00				1,023		54				
11/28/20	942	62				0.00				1,026		52	62			
11/29/20	945	63				0.00				1,039		50				
11/30/20 <sup>3</sup>	944	61				0.00				1,028		51		8.4	0.027	0.032
Monthly Average <sup>2</sup>	950	62	0.26	ND	498	0.15	0.060	0.044	69	1,037	56	54	100	10.2	0.023	0.021

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.  
 ND = Not detected above laboratory method detection limit (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).  
 B7 = Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the blank.  
 1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data.  
 2: All average concentrations reported are monthly flow weighted averages.  
 3: On 11/09, 11/23 and 11/30, the LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 4: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 11/01 to 11/30 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.  
 5: From 11/01 to 11/30, 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>6</sup>			2nd Stage FBR <sup>6</sup>			FBR Plant Effluent <sup>7</sup>							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow <sup>7</sup> (gpm)	TA - ClO <sub>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)
11/01/20	902	6.3	-358	826	6.5	-379	1,017		ND					17
11/02/20	959	6.3	-410	902	6.5	-379	1,009		ND	ND				17
11/03/20	1,096	6.4	-417	1,009	6.5	-380	1,040		ND					30
11/04/20	1,065	6.4	-419	891	6.4	-529	1,106		ND					17
11/05/20	1,092	6.4	-415	915	6.4	-390	1,104		ND					25
11/06/20	1,042	6.4	-394	815	6.5	-398	1,107		ND					29
11/07/20	1,067	6.4	-410	954	6.3	-404	1,093	ND						31
11/08/20	1,088	6.4	-408	948	6.3	-408	1,089		ND					25
11/09/20	1,070	6.3	-409	948	6.2	-408	1,105		ND					12
11/10/20	1,065	6.5	-307	933	6.5	-333	1,087		ND		0.0016		ND	12
11/11/20	1,063	6.5	-294	933	6.5	-346	1,089		ND					35
11/12/20	1,062	6.5	-210	904	6.5	-340	1,075		ND					32
11/13/20	1,068	6.6	-171	955	6.5	-351	1,065		ND					21
11/14/20	1,071	6.5	-287	896	6.5	-367	1,084	0.00062 J						25
11/15/20	1,052	6.5	-330	913	6.5	-376	1,077		ND					23
11/16/20	1,055	6.5	-396	937	6.5	-384	1,069		ND					22
11/17/20	1,036	6.5	-371	897	6.5	-389	1,067		ND		ND		ND	23
11/18/20	1,061	6.6	-267	837	6.6	-394	1,083		ND					21
11/19/20	1,061	6.5	-313	899	6.6	-377	1,088		ND					24
11/20/20	1,058	6.5	-262	875	6.5	-382	1,080		ND					19
11/21/20	1,070	6.6	-316	970	6.6	-395	1,087	ND						23
11/22/20	1,060	6.6	-281	953	6.5	-396	1,085		ND					17
11/23/20	1,069	6.6	-327	939	6.6	-364	1,082		ND		ND B		ND	21
11/24/20	1,062	6.5	-281	951	6.6	-368	1,086		ND					20
11/25/20	1,074	6.5	-299	976	6.6	-375	1,083		ND					22
11/26/20	1,065	6.6	-331	935	6.6	-378	835		ND					20
11/27/20	1,064	6.6	-389	912	6.6	-392	1,077		ND					25
11/28/20	1,066	6.5	-317	856	6.6	-392	1,079	0.00090 J						35
11/29/20	1,062	6.6	-430	989	6.6	-389	1,076		ND					27
11/30/20	1,047	6.6	-426	950	6.6	-386	1,071		ND		0.0036 J		ND	27
Monthly Average <sup>2</sup>	1,056	6.5	-341	921	6.5	-385	1,070	0.00032	ND	ND	0.001	0.00038	ND	23

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.

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.

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

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

GW-11 Level Monitoring <sup>1</sup>				
Date	Field Measurement (ft)	Volume (MG)		
11/15/20	31.4	34.8		
11/30/20	31.7	34.4		

GW-11 Leak Detection Monitoring				
Date	Amount Pumped <sup>2</sup> (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
11/11/20	0	0	161	0
11/25/20	0	0	566	0

GW-11 Composite Sample <sup>3</sup>		
Analytes	Concentration	Units
Perchlorate	5.7	mg/L
Chlorate	5.0	mg/L
Ammonia as N	0.069	mg/L
Total Phosphorus	0.57	mg/L
Total Dissolved Solids (TDS)	12,000	mg/L
Total Suspended Solids (TSS)	60	mg/L
pH	8.8 HF	s.u.
Calcium	550	mg/L
Iron	1.0	mg/L
Chromium (total)	0.022	mg/L
Chromium VI	ND	mg/L
Chloride	4,000	mg/L
Nitrate as N	ND	mg/L
Sulfate	3,500	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: November 12, 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)		
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
Oct 2020	1,029	64	9	94	441	501
Nov 2020	1,037	56	10	100	451	480

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.

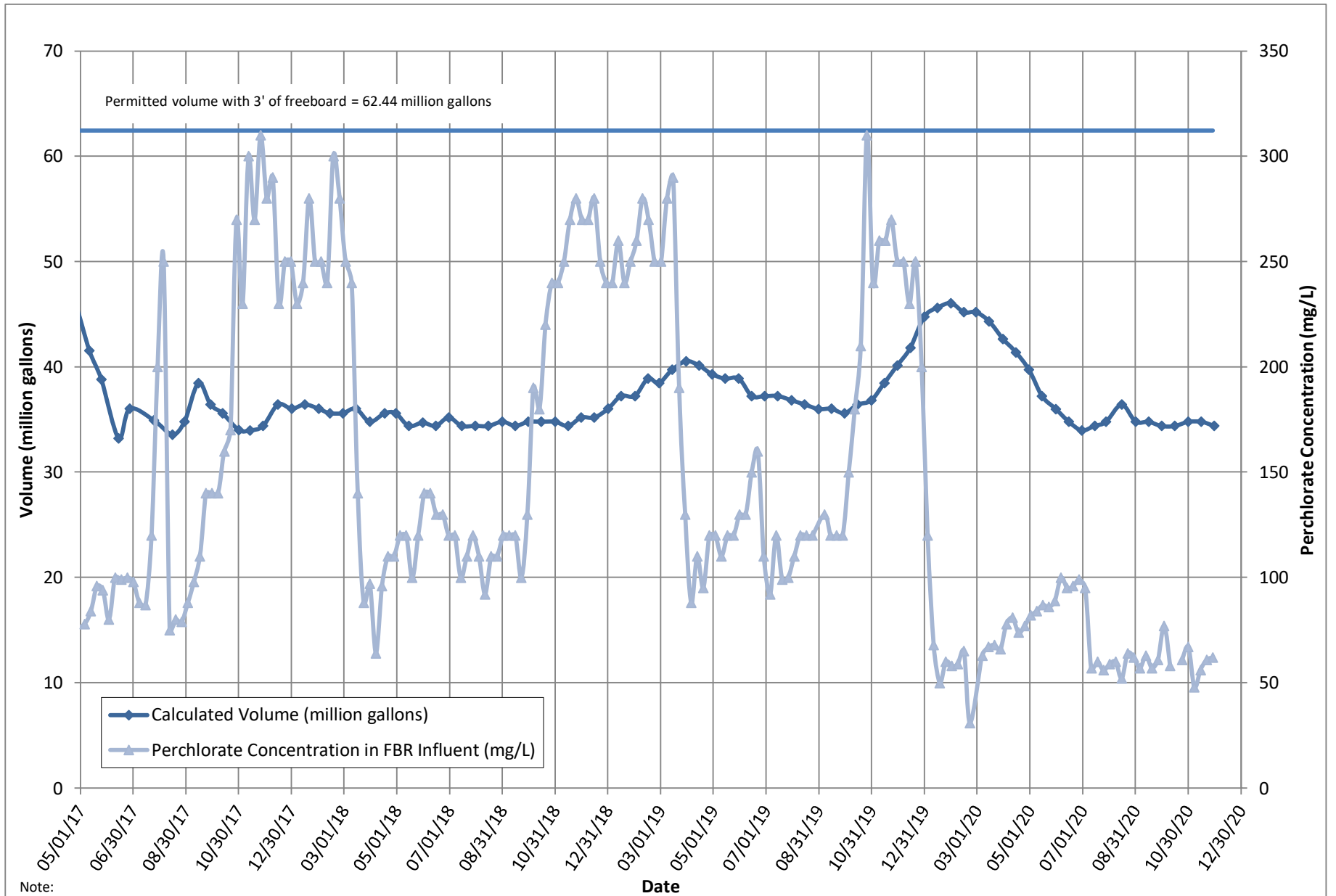
2: The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was decreased in March 2020 to prepare for the lower seasonal ammonia permit limits beginning April 1. AP-5 sediment mixing 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  $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$ .

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)
11/01/20	2.3	1710.43	1.0	1710.14	0.87	1713.45	0.85	1713.61	1.1	1716.37	1.3	1716.23	1.3	1715.24	0.61	1713.71
11/02/20	2.4	1710.82	1.1	1712.54	1.0	1714.37	0.86	1716.11	1.1	1716.65	1.3	1716.80	1.3	1716.38	0.63	1715.90
11/03/20	2.4	1710.99	1.0	1712.41	0.85	1714.41	0.85	1715.35	1.1	1717.06	1.2	1717.19	1.4	1716.53	0.60	1716.07
11/04/20	2.4	1711.63	1.1	1712.27	0.85	1716.08	0.85	1715.14	1.1	1718.19	1.0	1719.93	1.4	1717.54	0.60	1716.40
11/05/20	2.4	1711.92	1.1	1711.43	0.77	1715.07	1.0	1715.34	1.1	1717.50	0.96	1717.23	1.4	1716.49	0.69	1715.77
11/06/20	2.4	1711.51	1.0	1711.19	0.78	1714.90	0.95	1715.67	1.1	1717.31	0.89	1717.30	1.4	1714.20	0.64	1711.46
11/07/20	2.4	1710.31	0.98	1710.64	0.75	1712.73	0.94	1716.10	0.97	1716.51	0.85	1717.99	1.4	1716.00	0.59	1712.83
11/08/20	2.4	1709.05	1.0	1709.00	0.77	1711.29	0.96	1716.90	0.92	1714.05	0.86	1719.38	0.47	1718.05	0.61	1714.94
11/09/20 <sup>2</sup>	2.3	1709.27	0.97	1709.37	0.68	1711.15	0.87	1716.74	0.98	1714.26	0.72	1718.08	0.74	1717.93	0.56	1714.85
11/10/20	2.4	1711.12	0.99	1710.42	0.73	1718.20	0.90	1716.34	0.83	1718.20	0.66	1723.64	0.25	1725.66	0.62	1712.63
11/11/20	2.4	1709.73	1.0	1711.10	0.80	1718.60	1.0	1718.21	1.1	1720.18	0.77	1724.79	0.86	1725.43	0.68	1714.67
11/12/20	2.4	1711.65	1.1	1712.51	0.76	1713.81	1.0	1713.51	1.1	1717.59	0.76	1722.67	0.50	1714.19	0.50	1711.30
11/13/20	2.4	1711.06	1.1	1711.24	0.79	1713.88	1.1	1715.35	1.1	1718.17	0.79	1718.53	1.3	1720.09	0.45	1715.14
11/14/20	2.4	1711.51	1.1	1710.92	0.75	1713.11	0.90	1715.25	1.1	1715.54	0.78	1717.54	1.2	1717.68	0.55	1718.98
11/15/20	2.3	1711.67	1.0	1710.67	0.75	1718.76	0.99	1716.02	1.0	1718.24	0.72	1723.52	1.2	1719.50	0.53	1716.22
11/16/20	2.3	1711.65	1.0	1712.38	0.85	1719.26	0.75	1716.56	1.1	1719.19	0.72	1723.97	1.1	1719.93	0.56	1718.02
11/17/20	2.4	1711.78	1.1	1712.35	0.80	1719.21	0.75	1716.71	1.1	1718.45	0.75	1723.93	1.1	1719.04	0.56	1717.47
11/18/20	2.4	1711.52	1.1	1712.32	0.83	1717.02	1.7	1716.57	1.1	1717.66	0.71	1723.14	1.2	1718.96	0.55	1717.75
11/19/20	2.4	1710.14	1.0	1710.10	1.0	1719.85	0.99	1715.61	1.0	1716.99	0.78	1723.47	1.1	1719.03	0.56	1715.47
11/20/20	2.3	1711.70	1.0	1712.05	1.0	1715.80	0.98	1716.92	1.0	1718.77	0.90	1723.73	1.3	1720.87	0.52	1717.19
11/21/20	2.3	1711.12	1.0	1710.95	1.0	1711.48	0.97	1715.13	1.0	1718.19	0.91	1721.65	1.3	1717.92	0.53	1716.81
11/22/20	2.3	1710.86	1.0	1711.73	1.0	1713.77	0.91	1715.32	0.94	1717.41	0.81	1719.15	1.3	1716.94	0.56	1717.27
11/23/20	2.3	1710.72	0.98	1711.33	1.0	1713.36	0.94	1716.28	0.86	1717.43	0.80	1719.93	1.3	1717.29	0.48	1717.30
11/24/20	2.3	1710.61	1.0	1710.46	1.0	1711.63	0.89	1717.16	0.96	1720.99	0.95	1722.68	1.2	1718.02	0.52	1717.16
11/25/20	2.3	1711.05	1.0	1710.64	1.1	1711.81	0.91	1717.30	0.92	1717.34	0.89	1718.14	1.3	1717.86	0.49	1717.27
11/26/20	2.3	1710.91	0.99	1711.15	1.1	1712.15	0.88	1716.81	0.94	1717.17	0.87	1717.88	1.3	1717.88	0.46	1717.81
11/27/20	2.3	1711.62	0.98	1711.71	1.1	1711.82	0.89	1717.00	0.94	1717.11	0.92	1717.97	0.82	1718.06	0.46	1717.61
11/28/20	2.3	1711.21	1.0	1711.66	1.1	1712.32	0.90	1716.67	0.93	1717.27	0.89	1717.74	1.6	1717.78	0.48	1717.47
11/29/20	2.3	1711.68	0.99	1711.61	1.0	1711.47	0.89	1716.15	0.91	1717.57	0.89	1717.78	1.5	1717.01	0.48	1716.78
11/30/20	2.3	1711.26	1.0	1711.55	1.1	1711.35	0.86	1716.04	0.91	1717.51	0.76	1717.69	1.1	1716.89	0.48	1716.95
Monthly Average	2.4	1711.02	1.0	1711.26	0.90	1714.41	0.9	1716.06	1.0	1717.50	0.87	1719.99	1.2	1718.15	0.55	1715.97
Analytical <sup>1</sup>	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	Conc (mg/L)	Date
Perchlorate	540	11/4/2020	1,750	11/4/2020	430	11/4/2020	100	11/4/2020	530 H	11/4/2020	760	11/4/2020	1,500	11/4/2020	1,800	11/4/2020
Hexavalent Chromium	0.060	11/4/2020	0.39	11/4/2020	0.63	11/4/2020	0.028	11/4/2020	0.024	11/4/2020	0.052	11/4/2020	0.061	11/4/2020	0.16	11/4/2020
Total Chromium	0.056	11/4/2020	0.37	11/4/2020	0.60	11/4/2020	0.030	11/4/2020	0.024	11/4/2020	0.072	11/4/2020	0.060	11/4/2020	0.18	11/4/2020

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.  
 H = Sample was prepped or analyzed beyond the specified holding time  
 1: Analytical results are reported from Eurofins TestAmerica.  
 2: On 11/09, AP Area wells offline briefly due to instrument error.  
 3: Duplicates taken on 11/04 for well E1-2; 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

