

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)
05/01/19	621	165	1535.96	82	1541.07	129	1541.42	109	1537.01	70	1545.69	100	1546.89	50	1547.96	19	1548.99	9.6	1521.67
05/02/19	628	167	1535.97	83	1540.83	129	1541.45	110	1537.01	70	1545.70	100	1546.89	50	1547.96	19	1549.00	9.7	1520.98
05/03/19	619	167	1535.96	83	1541.82	130	1541.45	110	1537.00	70	1545.69	101	1546.89	50	1547.96	19	1548.99	9.7	1521.07
05/04/19	617	167	1535.94	83	1540.92	130	1541.43	110	1536.98	70	1545.69	101	1546.89	50	1547.95	19	1548.99	9.0	1521.27
05/05/19	616	169	1535.93	84	1540.72	132	1541.42	111	1536.98	72	1545.69	102	1546.88	51	1547.95	19	1548.98	9.8	1521.01
05/06/19 <sup>2</sup>	617	168	1535.92	84	1540.98	131	1541.40	111	1536.97	71	1545.67	101	1546.87	50	1547.93	19	1548.97	9.4	1521.02
05/07/19	623	167	1535.92	84	1541.32	131	1541.41	111	1536.96	70	1545.67	101	1546.86	50	1547.93	20	1548.96	9.1	1521.32
05/08/19	621	167	1535.90	84	1540.45	130	1541.39	110	1536.95	70	1545.67	101	1546.86	48	1547.92	18	1548.96	9.0	1521.11
05/09/19	628	163	1535.90	81	1540.98	127	1541.41	108	1536.94	69	1545.66	98	1546.85	51	1547.92	19	1549.02	10	1521.04
05/10/19	622	169	1536.00	85	1540.90	132	1541.50	111	1537.03	71	1545.77	102	1546.96	51	1548.03	19	1549.07	9.2	1521.02
05/11/19	615	167	1536.06	83	1541.01	130	1541.57	110	1537.08	71	1545.82	101	1547.02	50	1548.09	19	1549.14	9.7	1521.24
05/12/19	616	167	1536.08	83	1540.92	131	1541.59	110	1537.11	70	1545.85	101	1547.05	50	1548.12	19	1549.17	9.7	1521.02
05/13/19 <sup>2</sup>	616	167	1536.10	83	1540.89	130	1541.59	110	1537.12	71	1545.87	101	1547.06	50	1548.14	19	1549.19	9.7	1521.54
05/14/19	622	167	1536.09	83	1541.73	130	1541.59	110	1537.12	71	1545.87	101	1547.06	50	1548.14	19	1549.19	9.7	1521.68
05/15/19	622	165	1536.09	83	1541.06	130	1541.59	109	1537.12	70	1545.88	100	1547.06	50	1548.14	19	1549.19	9.0	1521.19
05/16/19	623	166	1536.08	83	1541.10	130	1541.57	110	1537.10	70	1545.84	101	1547.06	50	1548.13	19	1549.18	9.7	1521.01
05/17/19	629	166	1536.08	83	1540.62	129	1541.57	110	1537.10	70	1545.85	100	1547.05	50	1548.13	19	1549.18	9.7	1521.03
05/18/19	616	167	1536.10	84	1541.60	131	1541.59	110	1537.12	71	1545.86	101	1547.07	50	1548.14	19	1549.20	9.8	1521.07
05/19/19	616	168	1536.10	85	1541.11	131	1541.58	111	1537.12	71	1545.87	101	1547.07	50	1548.14	19	1549.20	9.1	1521.11
05/20/19 <sup>2</sup>	616	168	1536.11	85	1540.39	131	1541.59	111	1537.13	71	1545.87	101	1547.07	50	1548.15	19	1549.20	9.4	1521.09
05/21/19	618	167	1535.50	84	1540.51	130	1541.57	110	1537.11	70	1545.85	101	1547.06	49	1548.14	19	1549.22	9.7	1521.63
05/22/19	617	167	1535.51	84	1540.83	130	1541.59	110	1537.13	70	1545.90	101	1547.07	50	1548.15	19	1549.23	9.7	1521.67
05/23/19	627	166	1535.53	84	1540.54	130	1541.60	110	1537.14	70	1545.93	101	1547.09	50	1548.17	19	1549.25	9.0	1521.45
05/24/19	616	165	1535.54	83	1540.57	129	1541.62	110	1537.15	70	1545.96	100	1547.11	50	1548.19	19	1549.27	9.6	1521.00
05/25/19	611	166	1535.55	84	1540.76	130	1541.63	109	1537.16	70	1545.98	100	1547.12	51	1548.20	19	1549.28	9.7	1521.19
05/26/19	613	169	1535.55	85	1541.53	131	1541.63	112	1537.16	71	1545.98	102	1547.13	51	1548.20	19	1549.27	9.8	1521.32
05/27/19	614	167	1535.55	84	1541.01	131	1541.63	110	1537.16	70	1545.96	100	1547.12	50	1548.20	19	1549.27	9.7	1521.81
05/28/19 <sup>2</sup>	614	168	1535.55	85	1541.59	131	1541.65	111	1537.16	71	1545.96	101	1547.11	50	1548.19	19	1549.26	9.8	1521.07
05/29/19	620	170	1535.53	86	1541.07	134	1541.64	113	1537.14	72	1545.95	103	1547.10	51	1548.18	19	1549.25	9.5	1521.30
05/30/19	631	167	1535.52	84	1541.25	130	1541.63	110	1537.13	70	1545.94	102	1547.09	50	1548.17	19	1549.24	9.8	1521.02
05/31/19	623	167	1535.50	84	1541.35	130	1541.62	110	1537.12	71	1545.93	100	1547.08	50	1548.16	19	1549.23	9.7	1520.98
Monthly Average	620	167	1535.84	84	1541.01	130	1541.55	110	1537.08	70	1545.83	101	1547.02	50	1548.09	19	1549.15	10	1521.22
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
Perchlorate		14	5/21/2019	16	5/21/2019	6.0	5/21/2019	7.4	5/21/2019	2.4	5/21/2019	0.30	5/21/2019	0.061	5/21/2019	0.13	5/21/2019	1.0	5/21/2019
Hexavalent Chromium		0.0049	5/21/2019	0.0017	5/21/2019	ND	5/21/2019	0.0056	5/21/2019	ND	5/21/2019	ND	5/21/2019	ND	5/21/2019	ND	5/21/2019	ND	5/21/2019
Total Chromium		0.0040 J	5/21/2019	ND	5/21/2019	ND	5/21/2019	0.0056	5/21/2019	ND	5/21/2019	ND	5/21/2019	ND	5/21/2019	ND	5/21/2019	ND	5/21/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 ug/L, Cr(VI) =0.20 ug/L).  
 J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.  
 1: Analytical results are reported from TestAmerica.  
 2: On 05/06, 05/13, 05/20, and 05/28, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: Duplicates taken on 05/21 for well PC-133; average of both values is presented and used for calculations.

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																	
Date	LS #3 Flow <sup>3</sup> (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 <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>7</sup> (gpm)	Water Elevation (ft amsl)
05/01/19	397	39	1582.64	150	1581.83	18	1580.53	2.1	1579.20	57	1579.03	18	1584.09	178	1582.59	1.5	1576.27
05/02/19	395	38	1582.65	149	1581.85	18	1580.54	2.8	1579.20	56	1579.14	18	1584.12	177	1582.59	1.5	1576.27
05/03/19	395	38	1582.64	149	1581.84	18	1580.54	2.8	1579.20	57	1579.03	19	1584.12	179	1582.59	1.5	1576.27
05/04/19	396	39	1582.64	149	1581.85	19	1580.54	2.8	1579.20	56	1578.93	18	1584.13	177	1582.60	1.5	1576.27
05/05/19	395	38	1582.64	149	1581.85	18	1580.54	2.1	1579.20	57	1578.97	18	1584.12	177	1582.60	1.5	1576.27
05/06/19 <sup>2</sup>	396	39	1582.66	149	1581.85	19	1580.54	2.8	1579.20	57	1579.03	18	1584.12	177	1582.60	1.5	1576.27
05/07/19	396	38	1582.65	150	1581.85	18	1580.55	2.8	1579.20	57	1579.08	18	1584.09	178	1582.61	1.5	1576.27
05/08/19	395	38	1582.66	150	1581.86	19	1580.55	2.1	1579.20	57	1579.03	18	1584.09	177	1582.61	1.5	1576.27
05/09/19	396	38	1582.65	150	1581.85	18	1580.54	2.7	1579.20	56	1579.13	18	1584.08	178	1582.61	1.5	1576.27
05/10/19	395	38	1582.67	150	1581.86	18	1580.56	2.8	1579.20	57	1579.18	18	1584.13	177	1582.62	1.5	1576.27
05/11/19	395	39	1582.70	149	1581.90	19	1580.58	2.8	1579.20	56	1579.21	18	1584.12	177	1582.65	1.5	1576.27
05/12/19	396	38	1582.72	149	1581.92	18	1580.60	2.1	1579.20	57	1579.29	18	1584.12	177	1582.67	1.5	1576.27
05/13/19 <sup>2</sup>	396	39	1582.73	149	1581.93	18	1580.60	2.6	1579.20	57	1579.29	18	1584.12	177	1582.68	1.5	1576.27
05/14/19	379	38	1582.88	150	1582.08	18	1580.72	2.8	1579.20	57	1579.38	18	1584.12	158	1582.84	1.5	1576.27
05/15/19	396	39	1582.82	150	1582.03	19	1580.69	2.8	1579.20	57	1579.45	18	1584.12	176	1582.80	1.5	1576.27
05/16/19	395	38	1582.81	150	1582.02	19	1580.68	2.8	1579.20	57	1579.55	18	1584.13	175	1582.79	1.5	1576.27
05/17/19	392	39	1582.82	150	1582.02	19	1580.69	2.1	1579.20	56	1579.56	19	1584.13	175	1582.79	1.5	1576.27
05/18/19	394	38	1582.84	150	1582.04	19	1580.70	2.8	1579.21	57	1579.69	17	1584.16	175	1582.81	1.5	1576.27
05/19/19	393	38	1582.83	150	1582.04	19	1580.69	2.8	1579.20	56	1579.74	19	1584.13	175	1582.81	1.5	1576.27
05/20/19 <sup>2</sup>	394	38	1582.84	150	1582.05	19	1580.70	2.8	1579.20	57	1579.80	18	1584.13	175	1582.82	1.5	1576.27
05/21/19	394	38	1582.63	151	1582.25	19	1580.71	2.8	1579.24	57	1579.93	18	1584.24	175	1582.48	1.5	1576.31
05/22/19	394	38	1582.63	150	1582.25	19	1580.71	2.8	1579.23	57	1579.97	18	1584.20	175	1582.48	1.5	1576.30
05/23/19	395	38	1582.64	150	1582.26	19	1580.72	2.8	1579.23	57	1580.02	18	1584.24	175	1582.49	1.5	1576.30
05/24/19	394	38	1582.67	150	1582.28	19	1580.74	2.8	1579.23	57	1580.09	19	1584.24	175	1582.51	1.5	1576.31
05/25/19	394	38	1582.68	151	1582.30	19	1580.75	2.8	1579.23	57	1580.13	18	1584.24	176	1582.52	1.5	1576.31
05/26/19	395	39	1582.68	150	1582.30	19	1580.75	2.1	1579.23	56	1580.22	18	1584.27	176	1582.52	1.5	1576.30
05/27/19	395	38	1582.70	151	1582.31	19	1580.76	2.8	1579.23	57	1580.25	19	1584.27	176	1582.54	1.5	1576.31
05/28/19 <sup>2</sup>	395	39	1582.70	151	1582.32	19	1580.76	2.4	1579.23	57	1580.25	19	1584.27	176	1582.54	1.5	1576.31
05/29/19	395	38	1582.72	151	1582.33	19	1580.77	2.7	1579.22	57	1580.30	18	1584.27	175	1582.55	1.5	1576.31
05/30/19	395	38	1582.72	151	1582.33	20	1580.78	2.8	1579.23	57	1580.33	19	1584.30	176	1582.56	1.5	1576.31
05/31/19	395	38	1582.74	150	1582.35	19	1580.79	2.8	1579.22	57	1580.36	18	1584.30	175	1582.57	1.5	1576.31
Monthly Average	394	38	1582.71	150	1582.06	19	1580.66	2.6	1579.21	57	1579.59	18	1584.17	176	1582.63	1.5	1576.28
Analytical <sup>1</sup>		Conc (mg/L)	Date	Conc <sup>4</sup> (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	Conc (mg/L)	Date
Perchlorate		23	5/21/2019	12	5/21/2019	200	5/21/2019	130	5/21/2019	180	5/21/2019	97	5/21/2019	82	5/21/2019	50	5/21/2019
Hexavalent Chromium		0.00033	5/21/2019	0.0036	5/21/2019	0.36	5/21/2019	0.17	5/21/2019	0.70	5/21/2019	0.53	5/21/2019	0.095	5/21/2019	0.052	5/21/2019
Total Chromium		ND	5/21/2019	0.0065	5/21/2019	0.35	5/21/2019	0.17	5/21/2019	0.66	5/21/2019	0.52	5/21/2019	0.096	5/21/2019	0.046	5/21/2019

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.  
 H = Sample was prepared or analyzed beyond the specified holding time.  
 ^ = Instrument related QC is outside acceptance limits.  
 ART-1, 2, 3, 4, 7B, and 8 have adjacent recovery wells, both of which can be used for extraction. The pumping well can be chosen manually or automatically, based on operational considerations. The wells with transducers are ART-1, -2, -3, -4, -7A, -8, -9, and PC-150.  
 1: Analytical results are reported from TestAmerica.  
 2: On 05/06, 05/13, 05/20, and 05/28, 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: On 05/14, LS #3 offline briefly due to maintenance.  
 4: For ART-2/2A, the original Cr(VI) result was low compared to historical values and was re-analyzed on 06/14. The laboratory reported the original and re-analyzed results; average of both values is presented and used for calculations.  
 5: Duplicates taken on 05/21 for well ART-7B; average of both values is presented and used for calculations.  
 6: On 05/14, ART-8A offline at 9:47 am and ART-8 online with reduced flow. ART-8A and ART-8 offline for motor replacement at 11:46 am. ART-8A online at 12:43 pm.  
 7: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 05/01-05/31 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.

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>2</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>6</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
05/01/19	0.16	1723.84	1.1	1709.62	0.00	1720.74	0.00	1723.99	0.00	1737.57	0.62	1709.75	3.5	1710.85	0.95	1720.82	1.3	1711.60	4.4	1717.18
05/02/19	0.16	1723.85	1.1	1709.71	0.00	1720.75	0.00	1724.01	0.00	1737.74	0.59	1709.75	3.4	1710.93	0.95	1720.68	1.3	1711.62	4.4	1717.19
05/03/19	0.16	1723.85	1.1	1709.68	0.00	1720.76	0.00	1724.03	0.00	1737.75	0.56	1709.75	3.4	1710.92	0.95	1720.69	1.3	1711.75	4.4	1717.20
05/04/19	0.16	1723.87	1.1	1709.79	0.00	1720.77	0.00	1724.06	0.00	1737.69	0.59	1709.76	3.4	1711.21	0.95	1720.98	1.3	1711.83	4.4	1717.21
05/05/19	0.15	1723.87	1.1	1709.64	0.00	1720.77	0.00	1724.05	0.00	1737.73	0.58	1709.75	3.4	1711.01	0.94	1720.76	1.3	1711.87	4.5	1717.23
05/06/19 <sup>2</sup>	0.16	1723.88	1.1	1709.64	0.00	1720.77	0.00	1724.00	0.00	1737.78	0.59	1709.75	3.4	1711.13	0.95	1720.99	1.3	1711.84	4.5	1717.22
05/07/19	0.16	1723.89	1.1	1709.72	0.00	1720.77	0.00	1723.98	0.00	1737.84	0.61	1709.75	3.4	1711.05	0.92	1720.97	1.3	1711.84	4.4	1717.21
05/08/19	0.15	1723.90	1.1	1709.73	0.00	1720.79	0.00	1724.00	0.00	1737.73	0.59	1709.75	3.4	1710.94	0.92	1720.77	1.3	1711.89	4.5	1717.22
05/09/19	0.16	1723.94	1.1	1709.78	0.00	1720.78	0.00	1723.95	0.00	1737.80	0.53	1709.75	3.4	1711.21	0.87	1720.88	1.3	1711.82	4.5	1717.23
05/10/19	0.16	1723.95	1.1	1709.82	0.00	1720.80	0.00	1723.95	0.00	1737.74	0.64	1709.75	3.4	1711.00	0.82	1720.87	1.3	1712.00	4.5	1717.26
05/11/19	0.15	1723.96	1.1	1709.85	0.00	1720.81	0.00	1723.95	0.00	1737.84	0.62	1709.79	3.4	1711.07	0.82	1720.91	1.3	1712.12	4.5	1717.29
05/12/19 <sup>3</sup>	0.15	1723.95	1.1	1710.05	0.00	1720.88	0.00	1723.96	0.00	1737.96	0.51	1715.06	3.3	1710.98	0.87	1720.80	1.3	1712.64	4.4	1717.34
05/13/19 <sup>2</sup>	0.15	1723.83	1.1	1710.00	0.00	1720.88	0.00	1723.95	0.00	1737.94	0.56	1715.16	3.4	1711.19	0.85	1720.98	1.3	1712.35	4.4	1717.31
05/14/19	0.16	1723.83	1.1	1710.01	0.02	1720.92	0.00	1723.95	0.00	1737.87	0.39	1716.46	3.4	1711.70	1.4	1720.32	1.3	1712.25	4.4	1717.31
05/15/19	0.16	1723.85	1.1	1710.08	0.00	1720.94	0.00	1723.96	0.00	1737.98	0.39	1716.30	3.4	1711.12	1.4	1720.96	1.3	1712.08	4.5	1717.32
05/16/19	0.16	1723.90	0.99	1721.41	0.00	1721.04	0.00	1723.91	0.00	1738.04	0.46	1716.34	3.4	1711.61	1.4	1720.13	1.3	1712.03	4.5	1717.33
05/17/19	0.16	1723.94	0.44	1715.30	0.00	1721.04	0.00	1723.89	0.00	1738.12	0.51	1716.24	3.4	1711.33	1.4	1720.41	1.3	1711.92	4.5	1717.34
05/18/19	0.16	1723.95	0.74	1715.60	0.00	1721.09	0.00	1723.94	0.00	1738.13	0.50	1716.90	3.4	1711.15	1.4	1720.33	1.3	1711.98	4.5	1717.36
05/19/19	0.16	1723.99	0.72	1715.74	0.00	1721.10	0.00	1723.92	0.00	1738.14	0.48	1717.23	3.4	1711.23	1.4	1720.72	1.3	1711.93	4.5	1717.37
05/20/19 <sup>2</sup>	0.16	1724.03	0.73	1714.81	0.00	1721.10	0.00	1723.91	0.00	1738.14	0.49	1717.26	3.4	1711.25	1.4	1720.59	1.4	1712.00	4.5	1717.39
05/21/19	0.16	1724.01	0.81	1714.99	0.00	1721.11	0.00	1723.91	0.00	1738.10	0.49	1717.22	3.4	1711.22	1.4	1720.77	1.4	1712.04	4.5	1717.41
05/22/19	0.17	1724.04	0.74	1716.32	0.00	1721.13	0.00	1723.87	0.00	1738.00	0.50	1717.21	3.4	1711.31	1.4	1720.69	1.4	1711.99	4.5	1717.43
05/23/19	0.17	1724.13	0.66	1716.90	0.00	1721.15	0.01	1724.83	0.02	1738.03	0.51	1717.12	3.4	1711.61	1.4	1720.68	1.3	1711.88	4.5	1717.44
05/24/19	0.16	1724.27	0.59	1717.68	0.00	1721.18	0.00	1724.81	0.00	1738.11	0.51	1717.02	3.4	1711.47	1.4	1720.66	1.4	1712.02	4.5	1717.47
05/25/19	0.15	1724.16	0.53	1718.08	0.00	1721.20	0.00	1724.76	0.00	1738.12	0.49	1715.98	3.4	1711.68	1.4	1720.77	1.3	1712.13	4.5	1717.50
05/26/19	0.16	1724.14	0.53	1718.28	0.00	1721.20	0.00	1724.55	0.00	1738.19	0.55	1716.00	3.4	1711.32	1.3	1720.60	1.3	1712.10	4.5	1717.52
05/27/19	0.16	1724.20	0.52	1718.29	0.00	1721.21	0.00	1724.49	0.00	1738.11	0.59	1715.24	3.4	1711.60	1.3	1720.68	1.3	1712.14	4.5	1717.55
05/28/19 <sup>2</sup>	0.16	1724.29	0.53	1717.86	0.00	1721.21	0.00	1724.45	0.00	1738.12	0.57	1715.22	3.4	1711.44	1.4	1720.64	1.4	1712.13	4.5	1717.57
05/29/19	0.14	1724.33	0.57	1717.87	0.00	1721.22	0.00	1724.48	0.00	1738.01	0.52	1715.10	3.4	1711.62	1.3	1720.41	1.4	1712.14	4.5	1717.61
05/30/19	0.14	1724.37	0.55	1718.05	0.00	1721.22	0.00	1724.45	0.00	1738.24	0.35	1715.04	3.3	1711.53	1.3	1720.44	1.3	1712.08	4.5	1717.65
05/31/19	0.14	1724.36	0.56	1717.95	0.00	1721.23	0.00	1725.80	0.00	1738.20	0.32	1715.08	3.3	1711.57	1.2	1720.50	1.4	1712.11	4.5	1717.68
Monthly Average	0.16	1724.01	0.87	1713.62	0.00	1720.99	0.00	1724.19	0.00	1737.96	0.52	1713.89	3.4	1711.27	1.2	1720.69	1.3	1712.00	4.4	1717.37
Analytical <sup>1</sup>	Conc <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	650	5/23/2019	40	5/14/2019	160	5/14/2019	240	5/23/2019	140	5/23/2019	240	5/14/2019	610	5/9/2019	470	5/9/2019	370	5/9/2019	660	5/9/2019
Hexavalent Chromium	0.31	5/23/2019	0.059	5/14/2019	ND	5/14/2019	2.4	5/23/2019	1.4	5/23/2019	0.11	5/14/2019	2.1	5/9/2019	3.5	5/9/2019	5.0	5/9/2019	9.6	5/9/2019
Total Chromium	13	5/23/2019	0.069	5/14/2019	0.021	5/14/2019	2.3	5/23/2019	1.3	5/23/2019	0.094	5/14/2019	2.6	5/9/2019	4.8	5/9/2019	6.6	5/9/2019	12	5/9/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 1: Analytical results are reported from TestAmerica.  
 2: On 05/06, 05/13, 05/20, and 05/28, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 5/12, IWF offline from 7:06 pm to 9:15 PM.  
 4: Duplicates taken on 05/23 for well I-AR; average of both values is presented and used for calculations.  
 5: From 05/16 - 05/21, I-AA offline intermittently due to instrument error.  
 6: On 05/12, I-B, I-C, I-G, and I-Q 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-P			
	Flow <sup>6,7</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 (gpm)	Water Elevation (ft amsl)	Flow <sup>7</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>7</sup> (gpm)	Water Elevation (ft amsl)		
05/01/19	0.10	1715.74	1.1	1709.28	5.2	1721.14	6.2	1712.01	3.5	1709.53	0.90	1718.73	1.8	1719.85	3.2	1717.14	1.7	1719.34	1.5	1719.21
05/02/19	0.10	1715.75	1.1	1709.29	5.2	1721.15	6.2	1712.01	3.5	1710.62	0.91	1718.64	1.8	1719.88	3.2	1717.17	1.6	1719.37	1.5	1719.22
05/03/19	0.10	1715.82	1.1	1709.34	5.2	1721.17	6.2	1712.01	3.5	1710.14	0.91	1718.75	1.8	1719.89	3.2	1717.16	1.5	1719.39	1.5	1719.24
05/04/19	0.10	1715.83	1.1	1709.29	5.2	1721.19	6.2	1712.01	3.5	1710.27	0.91	1718.79	1.8	1719.86	3.2	1717.21	1.4	1719.44	1.5	1719.26
05/05/19	0.10	1715.83	1.1	1709.33	5.2	1721.19	6.3	1712.01	3.5	1709.19	0.89	1718.83	1.8	1719.87	3.2	1717.26	1.5	1719.46	1.5	1719.27
05/06/19 <sup>2</sup>	0.10	1715.89	1.1	1709.35	5.2	1721.17	6.3	1712.01	3.5	1709.99	0.90	1719.01	1.8	1719.87	3.2	1717.25	1.5	1719.40	1.5	1719.25
05/07/19	0.10	1715.95	1.2	1709.39	5.2	1721.17	6.2	1712.01	3.5	1710.13	0.87	1719.07	1.8	1719.89	3.2	1717.23	1.6	1719.38	1.5	1719.24
05/08/19	0.09	1716.44	1.1	1709.32	5.2	1721.18	6.2	1712.01	3.5	1710.01	0.87	1719.05	1.8	1719.90	3.2	1717.27	1.7	1719.38	1.5	1719.28
05/09/19	0.09	1716.44	1.1	1709.27	5.2	1721.17	6.2	1712.00	3.5	1709.25	0.88	1719.06	1.7	1720.06	3.1	1717.48	1.7	1719.38	1.5	1719.27
05/10/19	0.09	1716.55	1.2	1709.27	5.2	1721.17	6.2	1712.00	3.5	1709.70	0.87	1719.08	1.7	1720.09	3.0	1717.59	1.7	1719.37	1.5	1719.26
05/11/19	0.09	1716.64	1.2	1709.27	5.2	1721.18	6.2	1712.01	3.5	1710.00	0.87	1719.06	1.6	1720.15	2.9	1717.66	1.7	1719.38	1.5	1719.27
05/12/19 <sup>3</sup>	0.08	1716.85	1.1	1709.35	5.1	1721.22	6.2	1712.01	3.5	1710.19	0.81	1720.34	1.7	1719.37	2.9	1717.40	1.6	1719.44	1.5	1718.44
05/13/19 <sup>2</sup>	0.09	1716.80	1.2	1709.25	5.1	1721.18	6.2	1712.01	3.5	1710.67	0.84	1720.23	1.7	1719.34	2.9	1717.35	1.7	1719.00	1.5	1718.19
05/14/19	0.09	1716.69	1.0	1709.31	5.1	1721.16	6.2	1712.01	3.5	1710.38	0.63	1720.66	2.1	1719.30	3.2	1717.38	1.6	1718.36	1.9	1718.06
05/15/19	0.09	1716.64	0.98	1709.26	5.1	1721.16	6.2	1712.01	3.5	1709.29	0.57	1720.67	2.1	1719.28	3.1	1717.43	1.6	1718.13	1.9	1718.21
05/16/19	0.09	1716.40	1.0	1709.32	5.2	1721.15	6.2	1712.01	3.5	1709.41	0.58	1720.64	2.1	1719.25	3.1	1717.53	1.7	1718.01	1.9	1718.21
05/17/19	0.09	1716.35	1.1	1709.34	5.2	1721.13	6.2	1712.00	3.5	1710.37	0.58	1720.65	2.1	1719.26	3.0	1717.60	1.7	1717.28	1.9	1718.15
05/18/19	0.10	1716.18	1.1	1709.27	5.2	1721.16	6.2	1712.01	3.5	1710.04	0.59	1720.65	2.0	1719.27	2.9	1717.71	1.6	1717.81	1.9	1718.18
05/19/19	0.10	1716.23	1.1	1709.25	5.2	1721.15	6.3	1712.00	3.5	1709.18	0.61	1720.61	2.0	1719.27	2.9	1717.74	1.6	1717.74	1.9	1718.20
05/20/19 <sup>2</sup>	0.10	1716.28	1.1	1709.29	5.2	1721.15	6.3	1712.01	3.5	1709.57	0.60	1720.62	2.0	1719.29	2.9	1717.80	1.6	1717.52	1.9	1718.19
05/21/19	0.10	1716.32	1.1	1709.29	5.1	1721.17	6.2	1712.00	3.5	1709.20	0.62	1720.58	2.0	1719.31	2.9	1717.85	1.7	1717.92	1.9	1718.21
05/22/19	0.09	1716.70	1.1	1709.26	5.1	1721.14	6.2	1712.00	3.5	1710.25	0.63	1720.57	2.0	1719.29	2.9	1717.88	1.7	1717.27	1.8	1718.19
05/23/19	0.09	1716.57	1.1	1709.33	5.2	1721.07	6.2	1712.04	3.5	1709.82	0.63	1720.60	2.0	1719.27	2.9	1717.91	1.7	1716.04	1.9	1718.14
05/24/19	0.09	1716.57	1.1	1709.35	5.2	1721.09	6.2	1712.04	3.5	1710.09	0.62	1720.64	2.1	1719.30	2.8	1717.94	1.7	1716.72	1.9	1718.10
05/25/19	0.09	1716.59	1.1	1709.27	5.2	1721.13	6.2	1712.04	3.5	1710.21	0.62	1720.61	2.0	1719.32	2.8	1717.98	1.6	1717.36	1.9	1718.17
05/26/19	0.09	1716.62	1.1	1709.28	5.2	1721.13	6.2	1712.04	3.5	1709.22	0.64	1720.61	2.0	1719.36	2.8	1718.02	1.5	1717.69	1.9	1718.19
05/27/19	0.09	1716.56	1.1	1709.26	5.2	1721.12	6.2	1712.04	3.5	1709.57	0.64	1720.62	2.0	1719.37	2.8	1718.05	1.7	1717.24	1.9	1718.15
05/28/19 <sup>2</sup>	0.09	1716.58	1.1	1709.25	5.2	1721.12	6.2	1712.04	3.5	1709.88	0.64	1720.64	2.0	1719.39	2.8	1718.12	1.6	1717.37	1.9	1718.13
05/29/19	0.09	1716.56	1.1	1709.29	5.1	1721.14	6.2	1712.05	3.5	1709.64	0.64	1720.63	2.0	1719.42	2.7	1718.16	1.5	1717.53	1.8	1718.18
05/30/19	0.09	1716.59	1.1	1709.31	5.1	1721.14	6.2	1712.04	3.5	1709.19	0.64	1720.59	2.0	1719.45	2.7	1718.19	1.5	1717.66	1.8	1718.22
05/31/19	0.10	1715.24	1.0	1709.24	5.1	1721.15	6.3	1712.03	3.5	1709.52	0.66	1720.46	2.0	1717.54	2.7	1718.22	1.4	1717.89	1.8	1718.36
Monthly Average	0.093	1716.33	1.1	1709.30	5.1	1721.15	6.2	1712.02	3.5	1709.82	0.73	1719.99	1.9	1719.48	3.0	1717.63	1.6	1718.30	1.7	1718.57
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	1,200	5/8/2019	910	5/8/2019	650	5/23/2019	300	5/23/2019	240	5/23/2019	280	5/14/2019	690	5/9/2019	440	5/9/2019	710	5/8/2019	830	5/8/2019
Hexavalent Chromium	21	5/8/2019	16	5/8/2019	9.3	5/23/2019	3.9	5/23/2019	2.4	5/23/2019	0.59	5/14/2019	4.6	5/9/2019	4.6	5/9/2019	15	5/8/2019	15	5/8/2019
Total Chromium	22	5/8/2019	15	5/8/2019	8.8	5/23/2019	3.8	5/23/2019	2.3	5/23/2019	0.51	5/14/2019	5.9	5/9/2019	5.1	5/9/2019	14	5/8/2019	16	5/8/2019

Notes:

- Flow reported as gpm is a daily average calculated from the totalizer reading.
- 1: Analytical results are reported from TestAmerica.
- 2: On 05/06, 05/13, 05/20, and 05/28, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
- 3: On 5/12, IWF offline from 7:06 pm to 9:15 PM.
- 6: On 05/12, I-B, I-C, I-G, and I-Q adjusted to meet flow target as directed by the Trust.
- 7: On 05/13, I-G, I-M, I-N, 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-Z			
	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>7</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 <sup>8</sup> (ft amsl)		
05/01/19	0.34	1716.78	0.94	1717.04	3.3	1705.73	0.49	1707.80	0.46	1715.34	4.4	1718.06	0.69	1700.47	4.0	1698.17	1.4	1712.55	7.3	< 1707.89
05/02/19	0.34	1716.78	0.93	1717.07	3.4	1705.74	0.49	1707.83	0.46	1715.35	4.3	1718.10	0.69	1700.49	4.0	1698.13	1.4	1712.63	7.3	< 1707.89
05/03/19	0.34	1716.80	0.92	1717.09	3.4	1705.73	0.49	1707.81	0.46	1715.37	4.3	1718.13	0.69	1700.46	4.0	1698.15	1.4	1712.85	7.3	< 1707.89
05/04/19	0.34	1716.82	0.82	1717.08	3.4	1705.73	0.50	1707.81	0.45	1715.51	4.4	1718.17	0.69	1700.26	4.0	1698.16	1.4	1712.88	7.3	< 1707.89
05/05/19	0.34	1716.81	0.75	1717.08	3.4	1705.74	0.50	1707.82	0.44	1715.66	4.5	1718.19	0.68	1700.42	4.0	1698.15	1.4	1712.75	7.2	< 1707.89
05/06/19 <sup>2</sup>	0.34	1716.79	0.78	1717.13	3.4	1705.73	0.50	1707.79	0.45	1715.65	4.4	1718.14	0.69	1700.48	4.0	1698.13	1.4	1712.84	7.3	< 1707.89
05/07/19	0.34	1716.81	0.91	1717.13	3.4	1705.73	0.50	1707.79	0.44	1715.66	4.4	1718.13	0.69	1700.49	4.0	1698.13	1.4	1712.86	7.2	< 1707.89
05/08/19	0.32	1717.11	0.90	1717.16	3.4	1705.73	0.50	1707.84	0.43	1716.04	4.4	1718.16	0.69	1700.28	4.0	1698.13	1.4	1712.93	7.3	< 1707.89
05/09/19	0.31	1717.03	0.87	1717.15	3.4	1705.73	0.50	1707.82	0.42	1715.97	4.3	1718.14	0.69	1700.32	4.0	1698.28	1.4	1712.76	7.3	< 1707.89
05/10/19	0.31	1717.02	0.91	1717.19	3.5	1705.72	0.50	1707.82	0.42	1715.88	4.3	1718.14	0.69	1700.23	4.1	1698.29	1.4	1712.82	7.3	< 1707.89
05/11/19	0.32	1717.04	0.90	1717.26	3.5	1705.72	0.50	1707.83	0.43	1715.84	4.4	1718.17	0.69	1700.27	4.1	1698.29	1.4	1712.77	7.3	< 1707.89
05/12/19 <sup>3</sup>	0.29	1717.84	0.84	1718.05	3.5	1705.73	0.50	1707.84	0.45	1712.36	4.4	1718.33	0.69	1700.21	4.1	1700.11	1.4	1712.78	7.3	< 1707.89
05/13/19 <sup>2</sup>	0.31	1717.94	0.87	1717.98	3.5	1705.73	0.50	1707.84	0.44	1713.21	4.4	1718.18	0.69	1700.24	4.1	1698.29	1.4	1712.93	7.3	< 1707.89
05/14/19	0.19	1717.88	0.62	1717.99	3.6	1705.78	0.50	1707.84	0.60	1712.69	4.4	1718.11	0.54	1700.38	4.1	1698.29	1.3	1714.57	7.0	< 1707.89
05/15/19	0.19	1717.86	0.61	1718.02	3.7	1705.78	0.49	1707.84	0.60	1713.07	4.4	1718.10	0.61	1700.47	4.1	1698.30	1.3	1714.75	7.0	< 1707.89
05/16/19	0.19	1717.87	0.73	1717.98	3.7	1705.78	0.50	1707.83	0.59	1713.01	4.3	1718.08	0.66	1700.42	4.1	1698.29	1.3	1714.57	7.3	< 1707.89
05/17/19	0.19	1717.85	0.79	1717.91	3.7	1705.78	0.49	1707.83	0.58	1713.42	4.3	1718.02	0.65	1700.31	4.1	1698.29	1.3	1714.26	7.3	< 1707.89
05/18/19	0.19	1717.89	0.81	1717.95	3.7	1705.79	0.49	1707.84	0.58	1713.20	4.4	1718.10	0.65	1700.37	4.1	1698.30	1.3	1714.37	7.3	< 1707.89
05/19/19	0.20	1717.89	0.80	1717.95	3.8	1705.78	0.50	1707.84	0.58	1713.30	4.5	1718.09	0.66	1700.45	4.2	1698.99	1.3	1714.46	7.3	< 1707.89
05/20/19 <sup>2</sup>	0.20	1717.88	0.81	1717.97	3.8	1705.78	0.50	1707.84	0.58	1713.33	4.4	1718.09	0.66	1700.39	4.2	1699.37	1.4	1714.35	7.3	< 1707.89
05/21/19	0.20	1717.89	0.81	1717.97	3.8	1705.78	0.49	1707.84	0.58	1713.26	4.4	1718.12	0.65	1700.44	4.2	1699.87	1.3	1714.33	7.3	< 1707.89
05/22/19	0.19	1717.92	0.81	1717.92	3.8	1705.78	0.49	1707.83	0.57	1713.42	4.3	1718.06	0.65	1700.42	4.2	1700.41	1.3	1714.73	7.3	< 1707.89
05/23/19	0.19	1717.94	0.82	1717.93	3.8	1705.78	0.49	1707.83	0.57	1713.28	4.3	1717.99	0.65	1700.39	4.1	1700.70	1.4	1714.85	7.3	< 1707.89
05/24/19	0.19	1717.97	0.82	1717.95	3.8	1705.78	0.49	1707.83	0.57	1713.44	4.3	1718.03	0.65	1700.37	4.1	1701.32	1.4	1714.77	7.3	< 1707.89
05/25/19	0.19	1717.98	0.82	1717.90	3.9	1705.78	0.49	1707.83	0.57	1713.21	4.4	1718.08	0.65	1700.45	4.2	1702.22	1.3	1714.47	7.3	< 1707.89
05/26/19	0.19	1717.99	0.82	1717.96	3.8	1705.78	0.50	1707.83	0.60	1712.99	4.5	1718.11	0.65	1700.31	4.2	1702.74	1.3	1714.35	7.3	< 1707.89
05/27/19	0.19	1717.99	0.82	1717.95	3.8	1705.78	0.50	1707.83	0.59	1713.18	4.5	1718.07	0.64	1700.38	4.2	1703.41	1.3	1714.75	7.3	< 1707.89
05/28/19 <sup>2</sup>	0.19	1718.02	0.82	1717.93	3.8	1705.78	0.50	1707.83	0.60	1713.41	4.5	1718.06	0.65	1700.42	4.2	1703.80	1.4	1714.43	7.3	< 1707.89
05/29/19	0.19	1718.04	0.82	1717.88	3.9	1705.78	0.50	1707.84	0.57	1713.51	4.4	1718.09	0.65	1700.38	4.2	1704.30	1.4	1714.72	7.3	< 1707.89
05/30/19	0.19	1718.07	0.80	1717.69	3.9	1705.78	0.50	1707.84	0.56	1713.53	4.3	1718.11	0.65	1700.45	4.2	1704.99	1.3	1714.78	7.3	< 1707.89
05/31/19	0.18	1718.20	0.76	1717.67	3.9	1705.78	0.50	1707.82	0.55	1713.60	4.3	1718.14	0.65	1700.42	4.2	1705.89	1.5	1714.75	7.2	< 1707.89
Monthly Average	0.25	1717.57	0.82	1717.64	3.6	1705.76	0.50	1707.83	0.52	1714.09	4.4	1718.11	0.66	1700.38	4.1	1699.93	1.4	1713.82	7.3	< 1707.89
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	690	5/8/2019	740	5/14/2019	320	5/14/2019	1,200	5/8/2019	1,200	5/8/2019	780	5/23/2019	730	5/8/2019	810	5/9/2019	580	5/14/2019	310	5/23/2019
Hexavalent Chromium	15	5/8/2019	0.41	5/14/2019	0.77	5/14/2019	20	5/8/2019	19	5/8/2019	13	5/23/2019	15	5/8/2019	6.3	5/9/2019	0.64	5/14/2019	7.7	5/23/2019
Total Chromium	16	5/8/2019	0.36	5/14/2019	0.77	5/14/2019	19	5/8/2019	19	5/8/2019	12	5/23/2019	14	5/8/2019	8.0	5/9/2019	0.59	5/14/2019	7.3	5/23/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 1: Analytical results are reported from TestAmerica.  
 2: On 05/06, 05/13, 05/20, and 05/28, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 5/12, IWF offline from 7:06 pm to 9:15 PM.  
 6: On 05/12, I-B, I-C, I-G, and I-Q adjusted to meet flow target as directed by the Trust.  
 7: On 05/13, I-G, I-M, I-N, I-P, and I-U adjusted to meet flow target as directed by the Trust.  
 8: A "<" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent <sup>1</sup>				GW-11 Influent <sup>1</sup>				FBR Plant Influent <sup>1</sup>						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>4</sup> (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>4,5</sup> (gpm)	TA - ClO <sub>2</sub> (mg/L)	ETI - ClO <sub>2</sub> (mg/L)	TA - ClO <sub>2</sub> (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
05/01/19	940	59	0.22 B	ND	570	0.00				1,008		103	140			
05/02/19	944	59				0.00				1,003		99				
05/03/19	940	59				0.00				999		103				
05/04/19	938	59				0.00				998	120	101				
05/05/19	939	59				0.00				1,128		100				
05/06/19 <sup>3</sup>	939	59				0.00				1,076		84		12	0.022	0.014
05/07/19	942	59				0.00				1,021		100				
05/08/19	940	59	0.20	ND	550	0.00				1,061		99				
05/09/19	948	59				0.00				1,026		98				
05/10/19	937	59				0.00				1,058		76				
05/11/19	938	59				0.00				1,001	110	103				
05/12/19	940	59				0.00				999		103				
05/13/19 <sup>3</sup>	939	58				0.00				997		100		10	0.023	0.022
05/14/19	922	62				0.00				1,102		93				
05/15/19	939	60	0.58	ND	600	0.00				1,047		108				
05/16/19	938	60				0.00				1,006		109				
05/17/19	945	59				0.00				1,004		108				
05/18/19	937	60				0.00				997	120	99				
05/19/19	938	59				0.00				1,223		99				
05/20/19 <sup>3</sup>	938	59				3.7	0.078	0.031	52	1,030		90		11	0.045	0.028
05/21/19	939	59				0.00				1,008		89				
05/22/19	938	60	0.21 B	ND	560	0.00				998		94				
05/23/19	947	59				0.00				1,006		95				
05/24/19	939	59				0.00				998		100				
05/25/19	938	59				0.00				997	120	110				
05/26/19	939	60				0.00				999		111				
05/27/19	938	59				0.00				998		117				
05/28/19 <sup>3</sup>	939	60				0.00				999		114		11	0.33	0.012
05/29/19	939	60	0.085	ND	570	0.00				999		114				
05/30/19	952	60				0.00				1,012		110				
05/31/19	940	60				0.00				1,029		104				
Monthly Average <sup>2</sup>	940	59	0.27	ND	570	0.12	0.078	0.031	52	1,027	118	101	140	11.1	0.11	0.019

Notes:

- Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.
- ND = Not detected above laboratory method detection limit (ClO<sub>2</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>3</sub>-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
- B = Compound was found in the blank and sample.
- 1: ETI = Envirogen internal process control data, TA = TestAmerica data.
- 2: All average concentrations reported are monthly flow weighted averages.
- 3: On 05/06, 05/13, 05/20, and 05/28, 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 05/01 to 05/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.
- 5: From 05/01 to 05/31, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics														
Date	1st Stage FBR <sup>6</sup>			2nd Stage FBR <sup>6</sup>			FBR Plant Effluent <sup>7</sup>							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow <sup>7</sup> (gpm)	TA - ClO <sub>4</sub> (mg/L)	ETI - ClO <sub>4</sub> (mg/L)	TA - ClO <sub>3</sub> (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	ETI - Turbidity (NTU)
05/01/19	1,097	6.5	-388	899	6.5	-357	1,063		ND	ND				37
05/02/19	1,052	6.5	-384	1,014	6.6	-358	1,050		ND					38
05/03/19	1,108	6.5	-387	976	6.6	-334	1,049		ND					18
05/04/19	1,099	6.6	-376	917	6.7	-343	1,062	ND	ND					14
05/05/19	1,083	6.6	-336	1,013	6.5	-350	1,088		ND					19
05/06/19	1,092	6.5	-371	622	6.7	-355	1,041		ND		0.0035 J	ND	ND	23
05/07/19	1,100	6.4	-332	944	6.6	-358	1,046		ND					19
05/08/19	1,103	6.5	-364	979	6.6	-359	1,006		ND					36
05/09/19	1,111	6.3	-326	922	6.4	-355	1,080		ND					16
05/10/19	1,081	6.4	-331	847	6.5	-339	1,070		ND					42
05/11/19	1,082	6.4	-354	891	6.6	-348	1,061	ND	ND					17
05/12/19	1,068	6.5	-352	989	6.6	-351	1,056		ND					22
05/13/19	1,086	6.5	-315	906	6.6	-356	1,048		ND		0.0043 J	ND	ND	15
05/14/19	1,079	6.4	-266	807	6.6	-358	1,081		ND					31
05/15/19	1,085	6.4	-366	853	6.5	-362	1,058		ND					32
05/16/19	1,088	6.3	-347	970	6.4	-361	1,069		ND					23
05/17/19	1,053	6.3	-387	773	6.4	-361	1,052		ND					27
05/18/19	1,074	6.3	-384	896	6.5	-359	1,037	ND	ND					31
05/19/19	1,111	6.3	-388	988	6.5	-364	1,075		ND					20
05/20/19	1,089	6.5	-286	799	6.5	-362	1,079		ND		0.0041 J	ND ^	ND	21
05/21/19	1,078	6.4	-240	899	6.3	-332	1,069		ND					33
05/22/19	1,071	6.4	-323	877	6.0	-356	1,061		ND					25
05/23/19	1,079	6.4	-308	949	6.2	-361	1,029		ND					19
05/24/19	1,042	6.4	-329	650	6.3	-369	1,050		ND					17
05/25/19	1,084	6.4	-295	1,012	6.4	-378	1,039	ND	ND					14
05/26/19	1,115	6.5	-305	965	6.2	-383	1,064		ND					18
05/27/19	1,042	6.4	-318	994	6.2	-387	1,060		ND					17
05/28/19	1,085	6.4	-366	913	6.3	-393	1,029		ND		0.0044 J	ND	ND	17
05/29/19	1,076	6.4	-366	890	6.4	-395	1,056		ND					18
05/30/19	1,088	6.5	-367	711	6.4	-398	1,056		ND					19
05/31/19	1,112	6.4	-362	949	6.4	-400	961		ND					32
Monthly Average <sup>6</sup>	1,084	6.4	-343	897	6.4	-362	1,053	ND	ND	ND	0.0040	ND	ND	24

Notes:

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

ND = Not detected above laboratory method detection limit (ClO<sub>4</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>3</sub>-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).

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

^ = Instrument related QC is outside acceptance limits.

1: ETI = Envirogen internal process control data, TA = TestAmerica data.

2: All average concentrations reported are monthly flow weighted averages.

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

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

GW-11 Level Monitoring <sup>1</sup>		
Date	Field Measurement (ft)	Volume (MG)
05/15/19	28.3	38.9
05/31/19	28.3	38.9

GW-11 Leak Detection Monitoring				
Date	Amount Pumped <sup>2</sup> (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
05/15/19	0	3,160	1,080	29
05/29/19	0	4,109	708	19

GW-11 Composite Sample <sup>3</sup>		
Analytes	Concentration	Units
Perchlorate	27	mg/L
Chlorate	75	mg/L
Ammonia as N	0.36	mg/L
Total Phosphorus	ND	mg/L
Total Dissolved Solids (TDS)	9,000	mg/L
Total Suspended Solids (TSS)	15	mg/L
pH	8.5 HF	s.u.
Calcium	400	mg/L
Iron	0.16	mg/L
Chromium (total)	0.027	mg/L
Chromium VI	0.0018	mg/L
Chloride	2,900	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,600	mg/L

## Notes:

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

ND = Not detected above laboratory method detection limit (NH<sub>3</sub>-N= 0.1 mg/L; Total P = 0.025 ug/L; Cr(VI) = 0.25 ug/L).

- 1: A transducer installed along the eastern berm provides water pressure measurements that are correlated to elevations for calculation of water depths. Results from a December 2018 bathymetric survey of the pond will be used to identify adjustment to the procedure, if necessary.
- 2: Pumping occurs over three consecutive days. The total amount pumped over the three day period is listed with the last day pumping occurred.
- 3: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: May 2, 2019.



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)		
June 2018	1,037	133	11	160	765	843
July 2018	1,028	113	11	150	691	788
Aug 2018	1,005	106	11	140	633	711
Sep 2018	1,030	117	10	150	691	687
Oct 2018	1,028	208	10	140	867	728
Nov 2018	1,042	262	9.9	130	979	771
Dec 2018	1,046	262	10	140	1,009	811
Jan 2019	1,067	247	10	140	991	861
Feb 2019	1,070	264	9	130	997	922
Mar 2019	1,035	233	10	140	932	962
Apr 2019	1,038	102	10	89	529	906
May 2019	1,027	118	11	140	677	856

Notes:

Concentrations and flow are presented as monthly average.

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

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

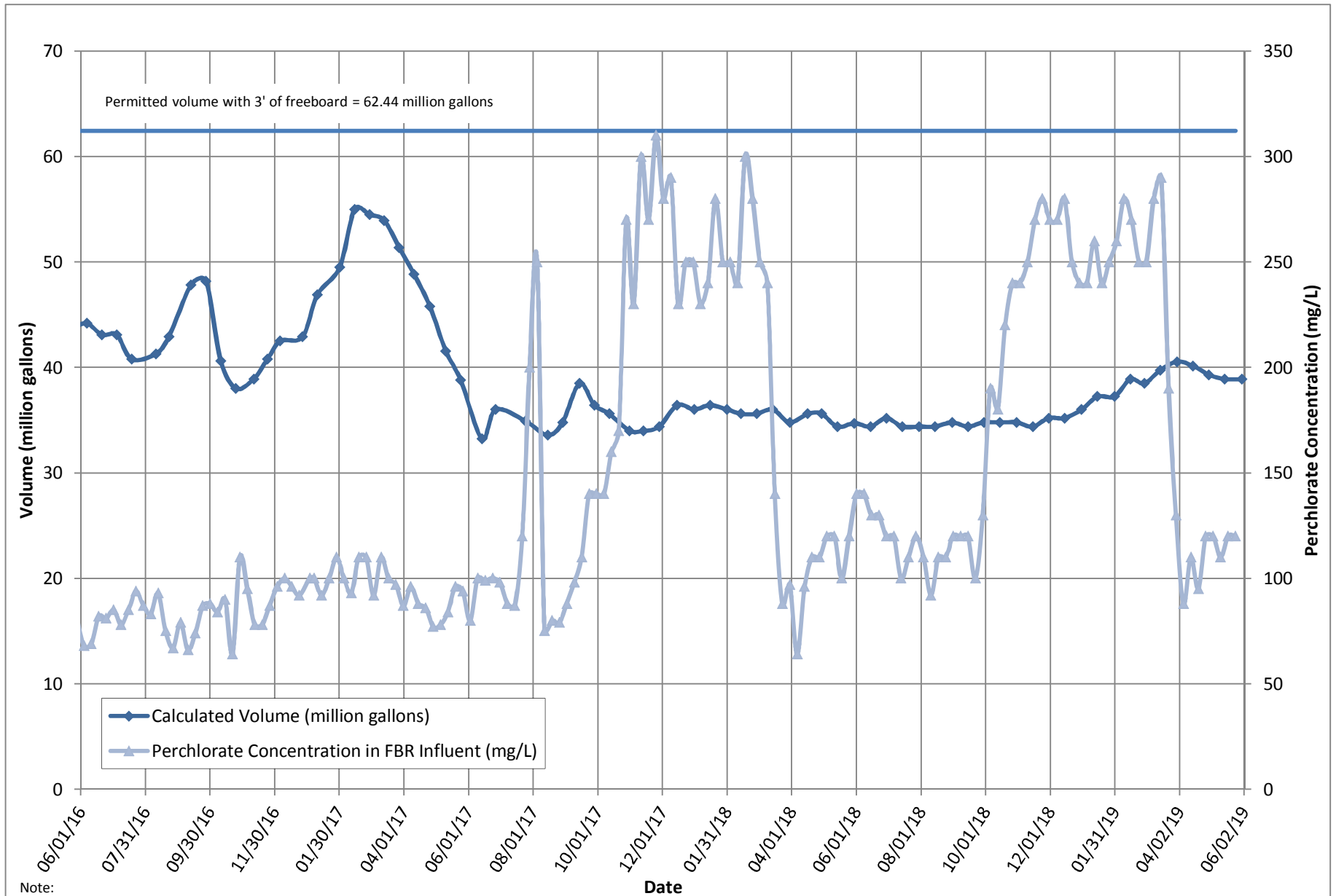
3: FBR loading calculated as  $[(0.9 \times \text{NO}_3 \text{ as N} + 0.17 \times \text{ClO}_3 + 0.18 \times \text{ClO}_4) \times \text{Flow} \times 1440 / 1000000 \times 8.34]$ .

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)
05/01/19	2.8	1712.07	1.2	1710.17	0.70	1710.61	1.4	1715.58	1.7	1714.87	1.8	1716.60	1.6	1715.51	0.50	1716.28
05/02/19	2.7	1711.83	1.0	1710.25	0.84	1710.49	1.3	1715.57	2.2	1714.82	1.7	1716.54	1.7	1715.53	0.49	1716.48
05/03/19	2.8	1712.16	1.1	1709.91	0.78	1710.57	1.3	1716.19	1.9	1714.33	1.7	1716.74	1.7	1715.43	0.51	1715.62
05/04/19	2.8	1711.65	1.1	1709.92	0.54	1710.64	1.3	1715.59	1.9	1713.90	1.7	1716.47	1.7	1715.17	0.53	1715.08
05/05/19	2.7	1711.45	1.0	1710.69	1.1	1711.12	1.3	1715.32	1.9	1714.11	1.7	1715.27	1.7	1715.44	0.51	1715.22
05/06/19	2.5	1711.63	1.1	1710.76	0.79	1711.03	1.2	1716.36	1.7	1714.62	1.7	1717.79	1.8	1715.25	0.47	1715.18
05/07/19	3.0	1711.62	1.0	1710.79	0.77	1711.11	1.4	1716.34	2.1	1714.64	1.9	1717.85	1.6	1715.31	0.57	1715.28
05/08/19	2.7	1711.65	1.1	1710.92	0.78	1711.14	1.3	1716.17	3.3	1714.37	1.8	1716.06	1.7	1715.34	0.55	1714.41
05/09/19	2.7	1711.70	1.1	1710.75	0.78	1711.13	1.3	1717.32	1.8	1714.81	1.7	1716.11	1.6	1715.01	0.47	1714.30
05/10/19	2.7	1711.81	1.1	1710.65	0.76	1711.07	1.3	1716.70	1.9	1715.50	1.7	1716.03	1.7	1714.96	0.48	1714.18
05/11/19	2.7	1711.75	1.2	1710.68	0.80	1710.92	1.5	1717.20	0.56	1715.27	1.8	1715.99	1.8	1714.75	0.53	1714.33
05/12/19 <sup>2</sup>	2.8	1711.77	1.1	1710.76	0.78	1711.11	1.2	1716.53	1.8	1715.17	1.8	1716.62	1.6	1715.24	0.48	1715.22
05/13/19	2.8	1711.79	1.1	1710.50	0.77	1711.11	1.3	1718.92	1.8	1715.93	1.8	1716.05	1.7	1716.61	0.54	1716.82
05/14/19	2.7	1711.80	1.1	1710.48	0.78	1711.13	1.4	1719.52	1.8	1717.52	1.7	1716.59	1.7	1715.62	0.54	1714.92
05/15/19	2.7	1711.80	1.1	1710.47	0.79	1711.01	1.4	1714.82	1.8	1716.23	1.7	1716.90	1.7	1715.50	0.51	1714.72
05/16/19	2.7	1711.80	1.1	1710.47	0.79	1710.34	1.4	1715.02	1.7	1716.85	1.5	1717.03	1.6	1715.87	0.49	1715.43
05/17/19	2.7	1712.92	1.1	1710.06	0.80	1710.65	1.4	1715.05	1.8	1716.60	1.5	1717.20	1.7	1715.90	0.50	1715.22
05/18/19	2.7	1712.46	1.1	1710.26	0.80	1710.42	1.4	1713.73	1.8	1716.12	1.6	1717.27	1.7	1715.23	0.51	1714.49
05/19/19	2.9	1712.53	1.2	1710.34	0.82	1710.56	1.4	1713.92	1.7	1715.94	1.7	1717.25	1.6	1715.06	0.54	1715.00
05/20/19	2.8	1712.61	1.1	1710.31	0.76	1710.58	1.2	1713.94	1.8	1716.01	1.8	1717.22	1.6	1715.11	0.49	1714.93
05/21/19	2.6	1712.61	1.1	1710.36	0.85	1710.62	1.5	1714.01	1.7	1716.08	1.2	1717.25	1.7	1715.14	0.40	1714.96
05/22/19	2.6	1712.65	1.1	1710.25	0.80	1710.61	1.4	1716.64	1.7	1718.07	1.7	1720.20	1.7	1716.20	0.46	1716.77
05/23/19	2.7	1712.63	1.1	1710.33	0.83	1710.62	1.2	1717.07	1.8	1717.52	1.6	1718.25	1.6	1716.11	0.33	1717.12
05/24/19	2.7	1712.35	1.1	1710.47	0.83	1710.80	1.3	1718.22	1.8	1717.12	1.6	1717.93	1.7	1715.92	0.39	1717.64
05/25/19	2.8	1712.02	1.2	1710.61	0.83	1710.96	1.3	1716.94	1.8	1716.92	1.6	1718.00	1.6	1715.63	0.60	1718.17
05/26/19	2.7	1712.53	1.1	1710.71	0.81	1711.05	1.2	1717.20	1.7	1716.77	1.6	1717.84	1.6	1715.86	0.56	1717.97
05/27/19	2.4	1712.31	1.2	1710.79	0.81	1711.45	1.2	1717.11	1.8	1716.95	1.5	1717.65	1.6	1716.09	0.51	1717.75
05/28/19	3.1	1712.29	1.1	1710.77	0.86	1711.51	1.5	1717.14	1.8	1716.96	1.7	1717.93	1.7	1716.11	0.66	1717.85
05/29/19	2.8	1712.43	1.1	1710.82	0.82	1711.41	1.4	1715.32	1.8	1717.02	1.7	1717.47	1.7	1715.61	0.52	1711.58
05/30/19	2.8	1712.33	1.2	1710.72	0.83	1711.46	1.5	1718.22	1.9	1717.90	1.9	1718.75	1.7	1716.02	0.49	1717.09
05/31/19	2.8	1712.61	1.1	1711.48	0.82	1709.97	1.4	1716.81	1.9	1716.37	1.9	1715.97	1.7	1715.56	0.52	1716.38
Monthly Average	2.7	1712.12	1.1	1710.53	0.80	1710.88	1.3	1716.27	1.8	1715.98	1.7	1717.12	1.7	1715.55	0.50	1715.69
Analytical <sup>1</sup>	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	Conc (mg/L)	Date
Perchlorate	500	5/23/2019	1,600	5/23/2019	680	5/23/2019	99	5/23/2019	285	5/23/2019	750	5/23/2019	1,400	5/23/2019	1,300	5/23/2019
Hexavalent Chromium	0.042	5/23/2019	0.22	5/23/2019	0.44	5/23/2019	0.030	5/23/2019	0.027	5/23/2019	0.026	5/23/2019	0.039	5/23/2019	0.098	5/23/2019
Total Chromium	0.044	5/23/2019	0.20	5/23/2019	0.42	5/23/2019	0.031	5/23/2019	0.026	5/23/2019	0.025	5/23/2019	0.038	5/23/2019	0.094	5/23/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 The flow rate at individual wells is adjusted daily to maintain the water level in the wells above the pump.  
 1: Analytical results are reported from TestAmerica.  
 2: On 05/12, AP Area wells offline briefly due to instrument error.  
 3: Duplicates taken on 05/23 for well E2-2; 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 decreased on March 13, 2018 to prepare for the lower seasonal ammonia permit limits beginning April 1. The AP-5 wash water feed rate was increased on October 1, 2018 in accordance with the higher seasonal ammonia permit limits beginning October 1.

Figure 2 - FBR Equivalent Loading Calculation

