

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																			
Date	LS #1	PC-116R (East Well)		PC-99R2/R3 (Center Well)		PC-115R (West Well)		PC-117		PC-118		PC-119		PC-120		PC-121		PC-133	
	Flow (gpm)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
07/01/19 <sup>a</sup>	615	164	1535.26	82	1541.39	129	1541.39	109	1536.85	69	1545.66	100	1546.81	49	1547.88	19	1548.95	9.5	1520.76
07/02/19	619	167	1535.26	83	1541.34	130	1541.32	110	1536.85	70	1545.66	101	1546.81	50	1547.88	19	1548.95	9.0	1520.86
07/03/19	628	171	1535.24	86	1541.79	134	1541.34	113	1536.84	72	1545.65	104	1546.80	52	1547.87	19	1548.95	10	1520.85
07/04/19	619	166	1535.23	83	1541.49	129	1541.33	109	1536.83	70	1545.65	99	1546.80	50	1547.87	19	1548.94	9.0	1520.73
07/05/19	618	165	1535.22	84	1541.65	129	1541.30	110	1536.81	70	1545.64	100	1546.80	50	1547.88	19	1548.95	9.7	1520.73
07/06/19	615	167	1535.22	84	1541.62	130	1541.30	110	1536.81	70	1545.64	101	1546.80	50	1547.88	19	1548.95	9.8	1520.72
07/07/19	616	167	1535.21	84	1541.43	131	1541.29	111	1536.80	70	1545.63	101	1546.79	50	1547.87	19	1548.94	9.8	1520.79
07/08/19 <sup>a</sup>	616	167	1535.20	84	1540.84	131	1541.28	111	1536.79	71	1545.62	101	1546.78	50	1547.86	19	1548.93	9.8	1520.70
07/09/19	619	167	1535.20	83	1540.84	130	1541.28	110	1536.79	70	1545.62	101	1546.78	50	1547.86	19	1548.93	9.7	1520.70
07/10/19	617	165	1535.72	83	1541.30	129	1541.25	110	1536.78	70	1545.61	100	1546.76	49	1547.84	19	1548.92	9.7	1520.95
07/11/19	626	165	1535.71	83	1541.18	129	1541.24	109	1536.77	70	1545.59	100	1546.76	50	1547.83	19	1548.91	9.0	1520.95
07/12/19	623	167	1535.70	84	1540.88	130	1541.23	110	1536.76	71	1545.58	101	1546.75	50	1547.83	19	1548.90	9.8	1520.79
07/13/19	627	166	1535.69	83	1542.01	130	1541.22	110	1536.76	70	1545.57	101	1546.74	50	1547.82	19	1548.89	9.7	1520.81
07/14/19	627	168	1535.68	85	1541.50	132	1541.20	111	1536.74	71	1545.55	101	1546.72	50	1547.80	19	1548.87	9.8	1520.98
07/15/19 <sup>a</sup>	627	167	1535.66	84	1541.25	131	1541.19	111	1536.73	70	1545.54	101	1546.71	50	1547.79	19	1548.86	9.8	1520.50
07/16/19	618	166	1535.65	83	1541.88	130	1541.18	110	1536.71	70	1545.53	101	1546.70	50	1547.78	19	1548.85	9.7	1521.36
07/17/19	617	166	1535.63	83	1541.43	130	1541.17	110	1536.70	70	1545.51	100	1546.69	50	1547.77	19	1548.84	9.7	1520.61
07/18/19	615	164	1535.63	83	1542.05	129	1541.16	109	1536.69	70	1545.51	100	1546.68	50	1547.76	19	1548.83	8.9	1521.34
07/19/19	617	168	1535.62	84	1542.42	131	1541.15	111	1536.69	72	1545.50	102	1546.67	50	1547.75	19	1548.82	9.8	1521.50
07/20/19	615	167	1535.60	84	1542.20	130	1541.12	111	1536.67	70	1545.48	101	1546.66	50	1547.74	19	1548.81	9.7	1521.22
07/21/19	616	167	1535.60	84	1541.79	130	1541.12	110	1536.66	70	1545.48	100	1546.65	50	1547.73	19	1548.80	9.1	1520.62
07/22/19	616	167	1535.57	84	1540.48	130	1541.10	110	1536.65	70	1545.46	101	1546.64	50	1547.72	19	1548.79	9.4	1521.22
07/23/19	619	167	1535.58	84	1541.89	131	1541.10	111	1536.65	71	1545.46	102	1546.64	50	1547.71	18	1548.79	9.1	1520.63
07/24/19	618	167	1535.58	84	1540.99	131	1541.10	110	1536.65	71	1545.45	101	1546.63	50	1547.71	19	1548.78	9.8	1521.32
07/25/19	631	166	1535.60	83	1541.53	129	1541.15	109	1536.66	70	1545.47	100	1546.66	50	1547.74	19	1548.81	9.7	1520.65
07/26/19	623	165	1535.61	83	1541.34	129	1541.15	110	1536.67	70	1545.49	100	1546.67	50	1547.76	19	1548.84	9.7	1520.55
07/27/19	616	167	1535.63	84	1541.39	131	1541.18	111	1536.69	71	1545.51	102	1546.71	50	1547.79	19	1548.86	9.1	1520.73
07/28/19	617	166	1535.65	83	1541.46	130	1541.19	110	1536.70	70	1545.52	100	1546.73	50	1547.81	19	1548.89	9.7	1521.00
07/29/19 <sup>a</sup>	617	167	1535.66	84	1541.92	130	1541.21	111	1536.71	70	1545.53	101	1546.74	50	1547.83	19	1548.90	9.4	1520.77
07/30/19	629	172	1535.65	86	1541.57	135	1541.21	114	1536.71	73	1545.54	104	1546.75	52	1547.83	19	1548.91	9.7	1520.58
07/31/19	629	166	1535.68	84	1541.70	130	1541.23	110	1536.73	70	1545.56	100	1546.77	50	1547.85	19	1548.93	9.7	1520.43
Monthly Average	620	167	1535.52	84	1541.50	130	1541.22	110	1536.74	70	1545.56	101	1546.73	50	1547.81	19	1548.88	10	1520.85
Analytical <sup>1</sup>	Conc (mg/L)	Date	Conc <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	
Perchlorate	14	7/9/2019	16	7/9/2019	6.4	7/9/2019	7.9	7/9/2019	2.1	7/9/2019	0.21	7/9/2019	0.032	7/9/2019	0.097	7/9/2019	1.7	7/9/2019	
Hexavalent Chromium	0.0037	7/9/2019	ND	7/9/2019	ND	7/9/2019	0.0047	7/9/2019	ND	7/9/2019	ND	7/9/2019	ND	7/9/2019	ND	7/9/2019	ND	7/9/2019	
Total Chromium	0.0043	7/9/2019	ND	7/9/2019	ND	7/9/2019	0.0064	7/9/2019	ND	7/9/2019	ND	7/9/2019	ND	7/9/2019	ND	7/9/2019	ND	7/9/2019	

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 07/01, 07/08, 07/15, and 07/29, 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 07/09 for well PC-116R; average of both values is presented and used for calculations.

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																	
Date	LS #3 Flow (gpm)	ART-1/1A		ART-2/2A		ART-3/3A		ART-4/4A		ART-9		ART-7A/7B		ART-8/8A		PC-150	
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation <sup>5</sup> (ft amsl)	Flow (gpm)	Water Elevation <sup>5</sup> (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)
07/01/19 <sup>2</sup>	396	39	1582.76	150	1582.35	19	1580.79	2.8	1579.22	57	1580.73	19	1584.35	176	1582.57	1.5	1576.30
07/02/19	397	40	1582.76	154	1582.35	19	1580.79	2.8	1579.22	58	1580.73	19	1584.35	179	1582.57	1.5	1576.30
07/03/19	397	38	1582.77	150	1582.35	19	1580.79	2.7	1579.22	58	1580.62	19	1584.32	174	1582.57	1.5	1576.30
07/04/19	397	39	1582.77	150	1582.35	19	1580.80	2.8	1579.22	57	1580.68	18	1584.32	175	1582.58	1.5	1576.30
07/05/19	395	39	1582.78	150	1582.36	19	1580.80	2.8	1579.22	57	1580.62	19	1584.32	175	1582.58	1.5	1576.30
07/06/19	396	38	1582.79	150	1582.37	19	1580.80	2.8	1579.22	57	1580.65	18	1584.32	175	1582.59	1.5	1576.30
07/07/19	395	39	1582.78	151	1582.37	19	1580.81	2.8	1579.21	57	1580.62	18	1584.32	175	1582.59	1.5	1576.30
07/08/19 <sup>2</sup>	396	39	1582.79	150	1582.37	19	1580.81	2.8	1579.21	57	1580.57	18	1584.20	175	1582.59	1.5	1576.30
07/09/19	396	39	1582.79	151	1582.37	19	1580.81	2.8	1579.21	58	1580.57	19	1584.32	174	1582.59	1.5	1576.30
07/10/19	396	39	1582.80	151	1582.37	19	1580.81	2.8	1579.21	57	1580.49	18	1584.32	174	1582.59	1.5	1576.33
07/11/19	396	38	1582.80	151	1582.38	19	1580.81	2.8	1579.21	57	1580.49	19	1584.32	174	1582.59	1.5	1576.33
07/12/19 <sup>3</sup>	390	38	1582.77	149	1582.38	18	1580.80	2.8	1579.20	56	1580.68	18	1584.30	172	1582.58	1.5	1576.33
07/13/19	398	39	1582.78	152	1582.35	20	1580.78	2.8	1579.21	56	1580.57	19	1584.27	176	1582.55	1.5	1576.33
07/14/19	397	39	1582.77	152	1582.34	20	1580.77	2.8	1579.21	57	1580.48	18	1584.27	176	1582.54	1.5	1576.32
07/15/19 <sup>2</sup>	398	39	1582.77	152	1582.34	20	1580.77	2.8	1579.21	57	1580.47	19	1584.27	176	1582.54	1.5	1576.32
07/16/19	398	40	1582.77	151	1582.34	19	1580.77	2.8	1579.20	57	1580.43	18	1584.27	174	1582.54	1.5	1576.32
07/17/19	397	39	1582.76	151	1582.33	19	1580.77	2.8	1579.21	58	1580.37	19	1584.27	173	1582.54	1.5	1576.32
07/18/19	397	39	1582.75	151	1582.33	19	1580.77	2.8	1579.20	56	1580.33	19	1584.27	174	1582.54	1.5	1576.32
07/19/19	396	39	1582.77	151	1582.33	19	1580.77	2.8	1579.20	57	1580.37	18	1584.30	175	1582.54	1.5	1576.32
07/20/19	396	40	1582.77	152	1582.33	19	1580.77	2.8	1579.21	57	1580.27	19	1584.27	175	1582.54	1.5	1576.32
07/21/19	397	39	1582.77	152	1582.33	21	1580.77	2.8	1579.20	56	< 1575.00	18	< 1578.00	175	1582.54	1.5	1576.32
07/22/19	397	39	1582.76	152	1582.33	20	1580.77	2.8	1579.20	57	1580.20	19	1584.27	175	1582.54	1.5	1576.32
07/23/19	396	39	1582.76	151	1582.33	18	1580.77	2.8	1579.20	57	1580.17	18	1584.27	174	1582.54	1.5	1583.28
07/24/19	397	39	1582.76	151	1582.32	19	1580.76	2.8	1579.20	57	1580.16	19	1584.27	174	1582.53	1.5	1576.34
07/25/19	397	39	1582.76	151	1582.32	18	1580.76	2.8	1579.20	57	1580.16	18	1584.27	174	1582.53	1.5	1576.33
07/26/19	396	39	1582.76	151	1582.32	20	1580.76	2.8	1579.20	57	1580.12	19	1584.27	175	1582.53	1.5	1576.33
07/27/19	396	39	1582.76	151	1582.33	20	1580.77	2.8	1579.20	57	1580.09	18	1584.27	175	1582.53	1.5	1576.33
07/28/19	396	39	1582.77	151	1582.33	22	1580.77	2.8	1579.21	56	1580.19	19	1584.24	174	1582.54	1.5	1576.33
07/29/19 <sup>2</sup>	396	39	1582.77	151	1582.33	21	1580.77	2.8	1579.21	57	1580.20	19	1584.21	175	1582.54	1.5	1576.33
07/30/19	396	39	1582.78	151	1582.34	19	1580.77	2.8	1579.21	57	1580.13	18	1584.27	173	1582.54	1.5	1576.33
07/31/19	396	40	1582.77	150	1582.33	19	1580.77	2.8	1579.20	57	1580.22	18	1584.21	174	1582.54	1.5	1576.33
Monthly Average	396	39	1582.77	151	1582.34	19	1580.78	2.8	1579.21	57	1580.24	18	1584.08	175	1582.56	1.5	1576.54
Analytical <sup>1</sup>		Conc <sup>4</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 <sup>7</sup> (mg/L)	Date
Perchlorate		23	7/10/2019	11	7/10/2019	190	7/10/2019	130	7/10/2019	180	7/10/2019	98	7/10/2019	77	7/10/2019	54 H	7/10/2019
Hexavalent Chromium		ND	7/10/2019	0.0061	7/10/2019	0.32	7/10/2019	0.14	7/10/2019	0.61	7/10/2019	0.52	7/10/2019	0.087	7/10/2019	0.042	7/10/2019
Total Chromium		ND	7/10/2019	0.0060	7/10/2019	0.34	7/10/2019	0.15	7/10/2019	0.62	7/10/2019	0.49	7/10/2019	0.094	7/10/2019	0.048	7/10/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 ND = Not detected above laboratory method detection limit (ClO<sub>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).  
 H = Sample was prepped or analyzed beyond the specified holding time.  
 ART-1, 2, 3, 4, 7B, and 8 have adjacent recovery wells, both of which can be used for extraction. The pumping well can be chosen manually or automatically, based on operational considerations. The wells with transducers are ART-1, -2, -3, -4, -7A, -8, -9, and PC-150.  
 1: Analytical results are reported from TestAmerica.  
 2: On 07/01, 07/08, 07/15, and 07/29, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 07/12, LS #3 was offline briefly due to instrument error.  
 4: Duplicates taken on 07/10 for well ART-1/1A; average of both values is presented and used for calculations.  
 5: A "c" 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.  
 6: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 07/01-07/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.  
 7: For PC-150, the original ClO<sub>4</sub> result was outside of historical values and re-analyzed on 08/13. The laboratory reported the re-analyzed results due to instrument failure on the initial analysis.

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 <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 (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 <sup>4</sup> (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
07/01/19 <sup>2</sup>	0.05	1726.88	0.98	1713.40	0.00	1721.22	0.00	1724.78	0.00	1738.30	0.49	1716.81	3.6	1708.02	1.3	1721.26	0.77	1707.97	4.5	1718.92
07/02/19	0.03	1726.89	0.97	1713.42	0.00	1721.23	0.00	1724.77	0.00	1738.32	0.47	1716.93	3.6	1707.94	1.3	1721.17	0.68	1706.06	4.5	1718.96
07/03/19	0.03	1726.91	0.97	1713.42	0.00	1721.23	0.00	1724.72	0.00	1738.24	0.46	1717.00	3.7	1707.84	1.3	1721.12	0.67	1706.46	4.5	1719.00
07/04/19	0.03	1730.84	0.97	1713.43	0.00	1721.23	0.00	1724.70	0.00	1738.24	0.46	1717.10	3.7	1707.83	1.3	1721.48	0.65	< 1706.00	4.5	1719.04
07/05/19	0.03	1731.40	0.96	1713.52	0.00	1721.24	0.00	1724.67	0.00	1738.26	0.45	1717.36	3.7	1717.03	1.3	1721.38	0.64	< 1706.00	4.5	1719.08
07/06/19	0.02	1732.56	0.96	1713.54	0.00	1721.25	0.00	1724.69	0.00	1738.36	0.46	1717.48	3.7	1707.73	1.2	1721.38	0.62	< 1706.00	4.5	1719.14
07/07/19	0.02	1735.32	0.95	1713.61	0.00	1721.26	0.00	1724.68	0.00	1738.29	0.48	1717.66	3.7	1707.93	1.2	1721.40	0.61	< 1706.00	4.5	1719.19
07/08/19 <sup>2</sup>	0.02	1738.80	0.96	1713.64	0.00	1721.27	0.00	1724.67	0.00	1738.29	0.47	1717.63	3.7	1707.85	1.2	1721.39	0.62	< 1706.00	4.5	1719.23
07/09/19	0.01	1735.36	0.95	1713.67	0.00	1721.27	0.00	1724.66	0.00	1738.35	0.45	1717.67	3.7	1707.82	1.3	1721.36	0.59	< 1706.00	4.5	1719.27
07/10/19	0.01	1744.00	0.95	1713.72	0.00	1721.28	0.00	1724.66	0.00	1738.31	0.45	1718.03	3.7	1707.84	1.2	1721.25	0.58	1719.66	4.5	1719.32
07/11/19	0.02	1726.19	0.94	1713.78	0.00	1721.29	0.00	1724.66	0.00	1738.38	0.46	1717.97	3.6	1707.79	1.2	1721.37	0.56	1719.72	4.5	1719.37
07/12/19 <sup>3</sup>	0.06	1726.14	0.94	1713.77	0.00	1721.30	0.00	1724.66	0.00	1738.34	0.48	1717.90	3.6	1707.58	1.2	1721.18	0.55	1719.77	4.5	1719.42
07/13/19	0.06	1726.33	0.94	1713.81	0.00	1721.31	0.00	1724.63	0.00	1738.38	0.46	1717.97	3.7	1707.63	1.2	1720.98	0.55	1719.80	4.5	1719.46
07/14/19	0.05	1726.37	0.93	1713.81	0.00	1721.32	0.00	1724.64	0.00	1738.32	0.44	1718.08	3.6	1707.63	1.2	1721.26	0.53	1719.89	4.5	1719.65
07/15/19 <sup>2</sup>	0.06	1726.44	0.94	1714.02	0.00	1721.32	0.00	1724.64	0.00	1738.34	0.45	1717.72	3.7	1707.35	1.2	1721.49	0.54	1714.59	4.5	1719.66
07/16/19	0.05	1726.47	0.92	1714.01	0.00	1721.28	0.015	1724.73	0.015	1738.42	0.40	1717.43	3.6	1707.63	1.2	1721.69	1.4	1714.12	4.5	1719.65
07/17/19	0.05	1726.44	0.92	1714.01	0.00	1721.25	0.00	1724.74	0.00	1738.39	0.39	1717.27	3.6	1707.42	1.2	1721.57	1.4	1714.32	4.5	1719.65
07/18/19	0.05	1726.44	0.94	1713.66	0.015	1721.27	0.00	1724.76	0.00	1738.30	0.41	1717.07	3.6	1707.92	1.2	1721.35	1.4	1714.29	4.5	1719.67
07/19/19	0.05	1726.44	0.94	1713.72	0.00	1721.25	0.00	1724.73	0.00	1738.30	0.45	1717.20	3.7	1707.87	1.2	1721.42	1.3	1714.53	4.5	1719.67
07/20/19	0.05	1726.44	0.94	1713.75	0.00	1721.24	0.00	1724.72	0.00	1738.34	0.42	1716.98	3.6	1707.72	1.2	1721.33	1.3	1714.65	4.5	1719.68
07/21/19	0.05	1726.37	0.93	1713.76	0.00	1721.24	0.00	1724.71	0.00	1738.33	0.45	1717.03	3.7	1707.86	1.2	1721.53	1.3	1714.85	4.5	1719.70
07/22/19	0.05	1726.45	0.94	1713.78	0.00	1721.23	0.00	1724.68	0.00	1738.33	0.43	1717.06	3.6	1707.82	1.2	1721.38	1.3	1714.90	4.5	1719.71
07/23/19	0.05	1726.33	0.93	1713.78	0.00	1721.24	0.00	1724.67	0.00	1738.42	0.45	1717.27	3.6	1707.84	1.2	1721.47	1.3	1715.01	4.5	1719.74
07/24/19	0.05	1721.98	0.93	1713.81	0.00	1721.25	0.00	1724.66	0.00	1738.44	0.44	1717.36	3.6	1707.93	1.2	1721.52	1.3	1715.19	4.5	1719.75
07/25/19	0.05	1725.29	0.92	1713.95	0.00	1721.25	0.00	1724.66	0.00	1738.49	0.44	1717.29	3.6	1707.85	1.2	1721.63	1.3	1715.36	4.5	1719.77
07/26/19	0.04	1721.66	0.90	1713.99	0.00	1721.25	0.00	1724.67	0.00	1738.40	0.48	1717.25	3.6	1707.88	1.2	1721.53	1.3	1715.58	4.4	1719.78
07/27/19	0.04	1725.55	0.92	1714.04	0.00	1721.25	0.00	1724.68	0.00	1738.35	0.46	1717.28	3.6	1707.86	1.2	1721.38	1.2	1715.85	4.5	1719.81
07/28/19	0.04	1725.59	0.91	1714.05	0.00	1721.27	0.00	1724.68	0.00	1738.41	0.43	1717.56	3.6	1707.82	1.2	1721.60	1.2	1715.85	4.5	1719.84
07/29/19 <sup>2</sup>	0.04	1725.64	0.92	1714.04	0.00	1721.28	0.00	1724.68	0.00	1738.39	0.45	1717.80	3.6	1707.91	1.2	1721.73	1.2	1716.52	4.5	1719.86
07/30/19	0.02	1725.76	0.91	1714.11	0.00	1721.30	0.00	1724.65	0.00	1738.39	0.46	1718.02	3.6	1707.84	1.2	1721.71	1.1	1716.64	4.5	1719.89
07/31/19	0.04	1725.71	0.91	1714.13	0.00	1721.31	0.00	1724.59	0.00	1738.34	0.45	1718.23	3.6	1707.79	1.2	1721.63	1.1	1716.93	4.5	1719.92
Monthly Average	0.04	1728.03	0.94	1713.78	0.00	1721.26	0.00	1724.69	0.00	1738.35	0.45	1717.46	3.6	1708.09	1.2	1721.42	0.95	1713.37	4.5	1719.51
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 <sup>6</sup> (mg/L)	Date
Perchlorate	600	7/16/2019	46	7/18/2019	150	7/18/2019	260	7/16/2019	140	7/16/2019	200	7/18/2019	510	7/18/2019	450	7/18/2019	360	7/18/2019	510	7/18/2019
Hexavalent Chromium	0.029	7/16/2019	0.051	7/18/2019	0.017	7/18/2019	2.1	7/16/2019	1.3	7/16/2019	0.052	7/18/2019	2.3	7/18/2019	5.0	7/18/2019	5.2	7/18/2019	11	7/18/2019
Total Chromium	11	7/16/2019	0.054	7/18/2019	0.019	7/18/2019	2.1	7/16/2019	1.2	7/16/2019	0.049	7/18/2019	2.3	7/18/2019	4.0	7/18/2019	5.4	7/18/2019	10	7/18/2019

Notes:

- Flow reported as gpm is a daily average calculated from the totalizer reading.
- 1: Analytical results are reported from TestAmerica.
- 2: On 07/01, 07/08, 07/15, and 07/29, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
- 3: On 07/09, I-AR adjusted to meet flow target as directed by the Trust.
- 4: On 07/09, a new transducer was installed in well I-E due to instrument error.
- 5: On 07/15, I-E, I-G, I-L, I-M, I-N, and I-R adjusted to meet flow target as directed by the Trust.
- 6: Duplicates taken on 07/18 for well I-F; average of both values is presented and used for calculations.

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 <sup>2,7</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 <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>7,8</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>7,8</sup> (gpm)	Water Elevation (ft amsl)
07/01/19 <sup>2</sup>	0.08	1716.94	1.2	1709.65	5.2	1721.63	6.3	1712.06	3.5	1709.66	0.94	1719.69	1.7	1720.92	3.2	1718.87	0.40	1721.16	1.3	1720.61
07/02/19	0.08	1717.02	1.2	1709.56	4.7	1721.65	6.3	1712.06	3.5	1710.11	0.93	1719.60	1.7	1720.96	3.2	1718.90	0.39	1721.18	1.2	1720.65
07/03/19	0.08	1717.07	1.3	1709.56	4.8	1721.67	6.3	1712.05	3.5	1709.22	0.91	1719.75	1.7	1721.01	3.2	1718.94	0.40	1721.20	1.2	1720.70
07/04/19	0.11	1715.03	1.3	1709.66	4.9	1721.62	6.3	1712.06	3.5	1709.16	0.90	1719.78	1.7	1721.04	3.2	1718.98	0.50	1721.00	2.0	1719.51
07/05/19	0.11	1715.56	1.2	1709.62	4.9	1721.61	6.3	1712.06	3.5	1709.99	0.90	1719.84	1.7	1721.09	3.1	1719.02	0.61	1720.96	2.2	1719.49
07/06/19	0.10	1715.91	1.2	1709.62	4.9	1721.62	6.3	1712.07	3.5	1710.04	0.87	1720.08	1.7	1721.13	3.1	1719.10	0.62	1720.96	2.0	1719.63
07/07/19	0.10	1716.05	1.2	1709.59	4.9	1721.62	6.3	1712.07	3.5	1709.20	0.86	1720.27	1.7	1721.16	3.0	1719.14	0.55	1721.00	2.1	1719.43
07/08/19 <sup>2</sup>	0.10	1716.18	1.2	1709.57	4.9	1721.62	6.3	1712.06	3.5	1709.99	0.87	1720.33	1.7	1721.21	3.1	1719.19	0.59	1721.01	2.1	1719.80
07/09/19	0.09	1716.44	1.2	1709.59	4.9	1721.62	6.3	1712.06	3.5	1709.39	0.81	1720.38	1.6	1721.25	3.0	1719.22	0.53	1721.00	2.0	1719.85
07/10/19	0.09	1716.55	1.2	1709.64	4.8	1721.63	6.3	1712.06	3.5	1709.24	0.81	1720.35	1.6	1721.88	3.0	1719.26	0.56	1721.01	2.0	1719.91
07/11/19	0.09	1716.72	1.2	1709.58	4.6	1721.65	6.3	1712.07	3.5	1709.36	0.79	1720.60	1.6	1721.32	3.0	1719.30	0.57	1721.05	1.9	1719.97
07/12/19 <sup>3</sup>	0.09	1717.03	1.2	1709.61	4.3	1721.65	6.3	1712.07	3.5	1709.38	0.74	1721.04	1.6	1721.35	2.9	1719.34	0.58	1721.04	2.0	1719.97
07/13/19	0.08	1717.22	1.2	1709.59	4.5	1721.65	6.3	1712.06	3.5	1710.15	0.60	1721.17	1.5	1721.61	2.9	1719.39	0.59	1721.04	2.0	1720.00
07/14/19	0.08	1717.38	1.1	1709.66	4.0	1721.65	6.3	1712.06	3.5	1709.19	0.57	1721.27	1.3	1721.65	2.9	1719.53	0.55	1721.05	1.9	1720.01
07/15/19 <sup>2</sup>	0.08	1718.05	1.2	1709.67	4.3	1721.66	6.3	1712.07	3.5	1709.19	0.59	1717.91	1.4	1720.79	2.9	1719.31	0.57	1721.12	1.9	1720.29
07/16/19	0.15	1711.27	1.1	1709.67	3.9	1721.69	6.3	1712.07	3.5	1709.18	1.2	1717.84	2.3	1720.75	3.3	1719.30	0.44	1721.16	1.7	1720.39
07/17/19	0.15	1711.24	1.1	1709.65	4.1	1721.69	6.3	1712.08	3.5	1710.00	1.2	1717.47	2.2	1720.74	3.3	1719.29	0.48	1721.17	1.7	1720.42
07/18/19	0.15	1711.23	1.2	1709.66	4.3	1721.71	6.3	1712.08	3.5	1710.21	1.2	1717.85	2.1	1720.82	3.3	1719.33	0.48	1721.22	1.7	1720.51
07/19/19	0.15	1711.27	1.2	1709.62	4.4	1721.72	6.3	1712.08	3.5	1709.58	1.2	1717.64	2.1	1720.81	3.3	1719.32	0.45	1721.25	1.7	1720.58
07/20/19	0.15	1711.23	1.3	1709.66	4.3	1721.72	6.3	1712.08	3.5	1709.45	1.2	1717.76	2.1	1720.80	3.2	1719.33	0.47	1721.24	1.6	1720.58
07/21/19	0.15	1711.23	1.3	1709.63	4.4	1721.17	6.3	1712.07	3.5	1710.03	1.2	1717.83	2.1	1720.80	3.2	1719.35	0.43	1721.23	1.7	1720.60
07/22/19	0.15	1711.23	1.3	1709.62	4.4	1721.71	6.3	1712.07	3.5	1709.27	1.2	1717.93	2.1	1720.82	3.2	1719.36	0.45	1721.22	1.7	1720.65
07/23/19	0.15	1711.25	1.2	1709.61	4.1	1721.71	6.3	1712.07	3.5	1709.19	1.2	1718.01	2.1	1720.85	3.2	1719.39	0.51	1721.23	1.6	1720.66
07/24/19	0.15	1711.26	1.3	1709.64	4.4	1721.71	6.3	1712.07	3.5	1709.18	1.2	1718.10	2.1	1720.87	3.2	1719.40	0.57	1721.23	1.7	1720.68
07/25/19	0.15	1711.25	1.3	1709.59	4.5	1721.72	6.3	1712.07	3.5	1709.14	1.2	1718.31	2.1	1720.89	3.2	1719.43	0.50	1721.24	1.7	1720.69
07/26/19	0.15	1711.23	1.3	1709.67	4.4	1721.72	6.3	1712.08	3.5	1709.69	1.2	1717.99	2.1	1720.90	3.1	1719.45	0.44	1721.25	1.6	1720.70
07/27/19	0.15	1711.24	1.3	1709.67	4.1	1721.73	6.3	1712.07	3.5	1709.17	1.2	1718.03	2.1	1720.93	3.1	1719.48	0.39	1721.26	1.6	1720.73
07/28/19	0.15	1711.24	1.3	1709.62	4.0	1721.74	6.3	1712.07	3.5	1709.20	1.2	1718.58	2.1	1721.03	3.1	1719.52	0.40	1721.28	1.6	1720.75
07/29/19 <sup>2</sup>	0.15	1711.25	1.3	1709.69	4.1	1721.75	6.3	1712.08	3.5	1709.38	1.2	1719.62	2.1	1721.06	3.1	1719.55	0.40	1721.29	1.6	1720.77
07/30/19	0.15	1711.25	1.2	1709.69	3.7	1721.69	6.3	1712.08	3.5	1710.09	0.97	1719.39	2.0	1721.09	2.9	1719.67	0.53	1721.04	2.2	1719.65
07/31/19	0.15	1711.26	1.2	1709.63	4.0	1721.63	6.3	1712.07	3.5	1709.15	1.0	1719.39	2.0	1721.10	2.9	1719.70	0.65	1720.99	2.5	1719.53
Monthly Average	0.121	1713.84	1.2	1709.63	4.4	1721.66	6.3	1712.07	3.5	1709.52	0.99	1719.15	1.9	1721.05	3.1	1719.30	0.50	1721.13	1.8	1720.25
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	1,100	7/19/2019	870	7/19/2019	650	7/16/2019	300	7/16/2019	240	7/16/2019	280	7/18/2019	570	7/18/2019	400	7/18/2019	580	7/19/2019	780	7/19/2019
Hexavalent Chromium	19	7/19/2019	14	7/19/2019	8.9	7/16/2019	3.7	7/16/2019	2.2	7/16/2019	0.48	7/18/2019	5.6	7/18/2019	4.5	7/18/2019	13	7/19/2019	13	7/19/2019
Total Chromium	18	7/19/2019	14	7/19/2019	8.8	7/16/2019	4.1	7/16/2019	2.4	7/16/2019	0.44	7/18/2019	4.9	7/18/2019	4.4	7/18/2019	14	7/19/2019	14	7/19/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 H = Sample was prepped or analyzed beyond the specified holding time.  
 1: Analytical results are reported from TestAmerica.  
 2: On 07/01, 07/08, 07/15, and 07/29, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 5: On 07/15, I-E, I-G, I-L, I-M, I-N, and I-R adjusted to meet flow target as directed by the Trust.  
 7: On 07/03, I-G, I-O, I-P, I-U, and I-W adjusted to meet flow target as directed by the Trust.  
 8: On 07/29, I-O, 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-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y		I-Z	
	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>2</sup> (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)	Flow <sup>11</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation <sup>12</sup> (ft amsl)
07/01/19 <sup>a</sup>	0.52	1716.39	1.1	1716.43	4.0	1706.00	0.51	1707.83	0.64	1713.05	4.4	1719.36	0.62	1701.35	3.7	1715.07	1.2	1716.03	7.2	< 1707.89
07/02/19	0.48	1716.45	1.1	1716.43	3.6	1705.99	0.52	1707.81	0.60	1713.65	4.3	1719.40	0.52	1701.32	3.6	1715.13	1.2	1716.09	7.2	< 1707.89
07/03/19	0.48	1716.49	1.1	1716.44	4.0	1705.99	0.52	1707.85	0.59	1713.73	4.3	1719.43	0.54	1700.52	3.6	1715.21	1.2	1716.06	7.2	< 1707.89
07/04/19	0.52	1715.74	1.1	1716.48	4.0	1706.00	0.51	1707.84	0.74	1710.76	4.3	1719.31	0.64	1702.03	3.6	1715.26	1.2	1716.37	7.2	< 1707.89
07/05/19	0.53	1716.06	1.1	1716.56	4.0	1705.99	0.51	1707.85	0.74	1710.81	4.3	1719.26	0.67	1700.13	3.6	1715.31	1.2	1716.87	7.2	< 1707.89
07/06/19	0.52	1716.03	1.1	1716.52	4.0	1705.99	0.51	1707.81	0.72	1711.58	4.4	1719.25	0.68	1707.33	3.6	1715.39	1.2	1716.27	7.2	< 1707.89
07/07/19	0.53	1715.90	1.1	1716.52	4.1	1706.00	0.51	1707.81	0.70	1711.91	4.4	1719.27	0.56	1701.07	3.6	1715.46	1.2	1716.39	7.2	< 1707.89
07/08/19 <sup>a</sup>	0.53	1715.92	1.1	1716.55	4.1	1705.99	0.51	1707.81	0.71	1711.79	4.4	1719.28	0.62	1700.42	3.6	1715.53	1.2	1716.36	7.2	< 1707.89
07/09/19	0.54	1715.98	1.2	1716.61	4.1	1705.99	0.52	1707.85	0.68	1711.99	4.4	1719.27	0.52	1700.47	3.6	1715.59	1.2	1716.46	7.2	< 1707.89
07/10/19	0.53	1716.20	1.1	1716.63	4.1	1705.99	0.52	1707.85	0.68	1711.93	4.3	1719.28	0.51	1700.44	3.6	1715.66	1.2	1716.40	7.2	< 1707.89
07/11/19	0.52	1716.23	1.1	1716.70	4.1	1705.99	0.52	1707.84	0.68	1712.30	4.3	1719.32	0.46	1700.39	3.6	1715.76	1.2	1716.37	7.2	< 1707.89
07/12/19 <sup>a</sup>	0.50	1716.24	1.1	1717.09	4.2	1705.99	0.52	1707.82	0.65	1712.80	4.3	1719.33	0.57	1700.73	3.5	1715.81	1.2	1716.67	7.2	< 1707.89
07/13/19	0.50	1716.20	0.97	1717.21	4.2	1706.08	0.52	1707.84	0.64	1712.98	4.3	1719.32	0.67	1702.43	3.5	1715.89	1.2	1716.77	7.2	< 1707.89
07/14/19	0.49	1716.32	0.84	1717.35	4.2	1705.52	0.53	1707.81	0.63	1712.99	4.3	1719.31	0.63	1701.35	1.6	1716.77	1.2	1716.46	6.9	< 1707.89
07/15/19 <sup>a</sup>	0.50	1715.70	0.91	1715.85	4.2	1705.68	0.53	1707.85	0.64	1712.79	4.3	1719.34	0.65	1709.70	3.5	1716.73	1.2	1716.92	7.2	< 1707.89
07/16/19	0.41	1716.80	1.1	1715.68	4.1	1706.02	0.52	1707.86	0.63	1713.08	4.3	1719.41	0.46	1719.91	3.3	1716.74	1.2	1716.40	6.8	< 1707.89
07/17/19	0.54	1714.55	1.0	1715.43	4.0	1705.99	0.52	1707.84	0.62	1713.25	4.3	1719.41	0.55	1712.69	3.3	1716.73	1.2	1716.52	7.2	< 1707.89
07/18/19	0.61	1714.51	1.0	1715.60	4.0	1705.99	0.52	1707.85	0.57	1714.80	4.3	1719.46	0.43	1712.72	3.3	1716.74	1.2	1716.41	7.2	< 1707.89
07/19/19	0.62	1714.53	1.0	1715.52	4.0	1705.98	0.52	1707.87	0.53	1714.82	4.3	1719.49	0.33	1702.08	3.3	1716.74	1.2	1716.51	6.9	< 1707.89
07/20/19	0.63	1714.51	0.98	1715.57	3.9	1705.99	0.52	1707.82	0.55	1714.49	4.2	1719.48	0.43	1710.73	3.3	1716.75	1.2	1716.47	7.2	< 1707.89
07/21/19	0.62	1714.51	0.98	1715.70	3.9	1705.99	0.52	1707.85	0.56	1714.53	4.3	1719.49	0.53	1711.71	3.3	1716.77	1.2	1716.55	7.2	< 1707.89
07/22/19	0.63	1714.51	0.98	1715.83	4.0	1705.98	0.52	1707.83	0.56	1714.44	4.3	1719.48	0.53	1711.39	3.3	1716.78	1.2	1716.43	7.2	< 1707.89
07/23/19	0.59	1715.72	0.91	1716.03	3.9	1705.98	0.53	1707.83	0.55	1714.65	4.4	1719.49	0.60	1711.46	3.2	1716.81	1.2	1716.53	7.2	< 1707.89
07/24/19	0.61	1714.80	0.95	1716.22	3.9	1706.01	0.53	1707.84	0.53	1715.62	4.4	1719.49	0.65	1711.43	3.2	1716.82	1.2	1716.55	7.2	< 1707.89
07/25/19	0.63	1714.51	1.0	1716.22	4.0	1705.99	0.53	1707.82	0.48	1715.73	4.3	1719.51	0.52	1718.69	3.2	1716.84	1.2	1716.38	7.2	< 1707.89
07/26/19	0.61	1715.74	0.96	1716.07	3.9	1705.99	0.53	1707.86	0.47	1715.86	4.3	1719.51	0.50	1711.48	3.3	1716.87	1.2	1716.47	7.2	< 1707.89
07/27/19	0.59	1715.22	0.96	1716.09	4.0	1705.99	0.53	1707.82	0.48	1715.74	4.4	1719.52	0.51	1711.11	3.2	1716.90	1.2	1716.40	7.2	< 1707.89
07/28/19	0.57	1715.35	0.86	1716.45	4.0	1706.00	0.53	1707.85	0.47	1715.79	4.5	1719.54	0.53	1711.33	3.2	1716.94	1.2	1716.67	7.2	< 1707.89
07/29/19 <sup>a</sup>	0.58	1715.96	0.91	1716.84	4.0	1705.99	0.53	1707.86	0.48	1715.48	4.4	1719.56	0.52	1700.46	3.2	1716.96	1.2	1716.35	7.2	< 1707.89
07/30/19	0.48	1716.25	0.81	1717.00	4.0	1705.99	0.53	1707.82	0.50	1715.50	4.4	1719.42	0.61	1700.46	3.2	1716.98	1.2	1716.62	7.2	< 1707.89
07/31/19	0.51	1716.41	0.82	1717.21	4.1	1705.98	0.53	1707.85	0.50	1715.40	4.4	1719.32	0.60	1700.38	3.2	1716.99	1.2	1716.81	7.2	< 1707.89
Monthly Average	0.55	1715.67	1.0	1716.35	4.0	1705.97	0.52	1707.84	0.60	1713.69	4.3	1719.40	0.55	1706.64	3.4	1716.26	1.2	1716.47	7.2	< 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	720	7/19/2019	690	7/18/2019	340	7/18/2019	1,100	7/19/2019	1,200	7/19/2019	830	7/16/2019	750	7/19/2019	630	7/18/2019	540	7/18/2019	320	7/16/2019
Hexavalent Chromium	15	7/19/2019	0.31	7/18/2019	0.63	7/18/2019	18	7/19/2019	17	7/19/2019	12	7/16/2019	13	7/19/2019	6.6	7/18/2019	0.49	7/18/2019	7.0	7/16/2019
Total Chromium	15	7/19/2019	0.27	7/18/2019	0.68	7/18/2019	17	7/19/2019	16	7/19/2019	13	7/16/2019	14	7/19/2019	6.5	7/18/2019	0.45	7/18/2019	7.2	7/16/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 H = Sample was prepped or analyzed beyond the specified holding time.  
 1: Analytical results are reported from TestAmerica.  
 2: On 07/01, 07/08, 07/15, and 07/29, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 5: On 07/15, I-E, I-L, I-M, I-N, and I-R adjusted to meet flow target as directed by the Trust.  
 7: On 07/03, I-G, I-O, I-P, I-U, and I-W adjusted to meet flow target as directed by the Trust.  
 8: On 07/29, I-O, I-P, and I-W adjusted to meet flow target as directed by the Trust.  
 9: On 07/16, I-W adjusted to meet flow target as directed by the Trust.  
 10: On 07/20, I-W offline briefly due to motor replacement.  
 11: On 07/14, I-X offline briefly due to maintenance.  
 12: 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.

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>4</sub> (mg/L)	Flow <sup>4</sup> (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>4</sub> (mg/L)	Flow <sup>4,5</sup> (gpm)	TA - ClO <sub>4</sub> (mg/L)	ETI - ClO <sub>4</sub> (mg/L)	TA - ClO <sub>3</sub> (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
07/01/19 <sup>3</sup>	938	60	0.083	ND	550	0.00				998		81	140	10	0.024	0.019
07/02/19	940	60				0.00				1,000		80				
07/03/19	948	61				0.00				1,008		75				
07/04/19	938	61				0.00				1,005		110				
07/05/19	938	61				0.00				999		116				
07/06/19	938	61				0.00				999	92	108				
07/07/19	938	61				0.00				1,013		107				
07/08/19 <sup>3</sup>	938	61				14	0.091	0.037	57	1,081		107		11	0.030	0.026
07/09/19	938	61				0.00				998		106				
07/10/19	939	61	0.10	ND	520	0.00				1,009		95				
07/11/19	946	61				0.00				1,007		86				
07/12/19	933	61				0.00				994		97				
07/13/19	940	61				0.00				1,000	120	74				
07/14/19	938	60				0.00				998		83				
07/15/19 <sup>3</sup>	939	61				0.00				1,000		94		9.2	0.030	0.024
07/16/19	940	62				0.00				1,033		91				
07/17/19	939	62	0.61	ND	540	0.00				1,001		95				
07/18/19	938	62				0.00				1,019		80				
07/19/19	937	63				0.00				1,016		92				
07/20/19	937	62				0.00				1,000		97				
07/21/19	938	62				0.00				1,000	99	91				
07/22/19	938	62				0.00				1,000		91		10	0.033	0.030
07/23/19	938	62				0.00				1,000		93				
07/24/19	939	62	0.11	ND	530	0.00				1,001		94				
07/25/19	946	61				0.00				1,007		89				
07/26/19	938	62				0.00				1,000		96				
07/27/19	937	62				0.00				1,003	100	93				
07/28/19	938	62				0.00				1,008		81				
07/29/19 <sup>3</sup>	938	61				0.00				999		88		11	0.011	0.0094
07/30/19	939	62				0.00				1,012		93				
07/31/19	939	62	0.50	ND	520	0.00				1,005		92				
Monthly Average <sup>2</sup>	939	61	0.27	ND	533	0.45	0.091	0.037	57	1,007	102	93	140	10	0.026	0.022

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).  
 1: ETI = Envirogen internal process control data, TA = TestAmerica data.  
 2: All average concentrations reported are monthly flow weighted averages.  
 3: On 07/01, 07/08, 07/15, and 07/29, 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 07/01 to 07/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.  
 5: From 07/01 to 07/31, 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)
07/01/19 <sup>3</sup>	1,035	6.5	-335	957	6.2	-422	1,001		ND	0.027 J	0.0045 J	ND	ND	28
07/02/19	1,072	6.5	-340	874	6.2	-423	755		ND					28
07/03/19	1,086	6.5	-276	947	6.1	-404	1,023		ND					26
07/04/19	1,074	6.4	-337	791	6.0	-398	1,063		ND					19
07/05/19	1,108	6.4	-317	1,049	6.3	-411	1,056		ND					34
07/06/19	1,080	6.4	-296	901	6.3	-410	1,067	0.010	ND					27
07/07/19	1,099	6.4	-334	854	6.3	-411	1,065		ND					30
07/08/19 <sup>3</sup>	1,100	6.5	-352	846	6.3	-411	1,053		ND		0.0056	ND	ND	35
07/09/19	1,134	6.5	-387	950	6.3	-412	1,007		ND					26
07/10/19	1,049	6.4	-376	869	6.3	-413	1,060		ND					25
07/11/19	1,058	6.4	-382	890	6.3	-404	1,053		ND					19
07/12/19	1,058	6.5	-409	749	6.2	-412	1,029		ND					33
07/13/19	1,031	6.5	-410	846	6.3	-414	1,030	ND	ND					25
07/14/19	1,046	6.5	-415	871	6.2	-416	1,028		ND					30
07/15/19 <sup>3</sup>	1,098	6.4	-407	848	6.3	-424	1,023		ND		0.0059	ND	ND	18
07/16/19	1,087	6.5	-424	844	6.2	-416	1,071		ND					26
07/17/19	1,152	6.4	-331	947	6.2	-414	1,003		ND					19
07/18/19	1,079	6.5	-421	857	6.3	-419	1,005		ND					33
07/19/19	1,069	6.5	-427	797	6.3	-420	1,055		ND					25
07/20/19	1,040	6.5	-413	929	6.3	-419	1,036	0.0026 J	ND					25
07/21/19	1,046	6.5	-428	712	6.4	-421	1,033		ND					17
07/22/19	1,029	6.5	-400	890	6.4	-423	1,017		ND		0.0041 J	ND	ND	20
07/23/19	1,047	6.5	-424	821	6.4	-422	1,023		ND					22
07/24/19	1,035	6.5	-433	1,008	6.4	-422	1,035		ND					29
07/25/19	1,028	6.5	-376	864	6.3	-402	1,020		ND					37
07/26/19	1,031	6.4	-361	898	6.2	-409	891		ND					29
07/27/19	966	6.5	-391	1,017	6.3	-378	914	ND	ND					29
07/28/19	1,092	6.5	-383	939	6.2	-371	758		ND					40
07/29/19 <sup>3</sup>	1,020	6.5	-407	829	6.2	-391	1,034		ND		0.0026 J	ND	ND	17
07/30/19	1,092	6.5	-369	647	6.2	-390	1,070		ND					27
07/31/19	1,075	6.5	-377	1,097	6.3	-401	1,065		ND					25
Monthly Average <sup>2</sup>	1,065	6.5	-378	882	6.3	-410	1,011	0.0035	ND	0.027	0.0046	ND	ND	26

Notes:

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

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

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

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

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

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

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

GW-11 Level Monitoring <sup>1</sup>		
Date	Field Measurement (ft)	Volume (MG)
07/15/19	29.5	37.2
07/31/19	29.9	36.8

GW-11 Leak Detection Monitoring				
Date	Amount Pumped <sup>2</sup> (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
07/10/19	0	591	636	30
07/24/19	0	1,026	342	0

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)		
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	10	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	8.8	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
June 2019	1,009	138	6.5	120	620	791
July 2019	1,007	102	10.2	140	621	729

## 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.

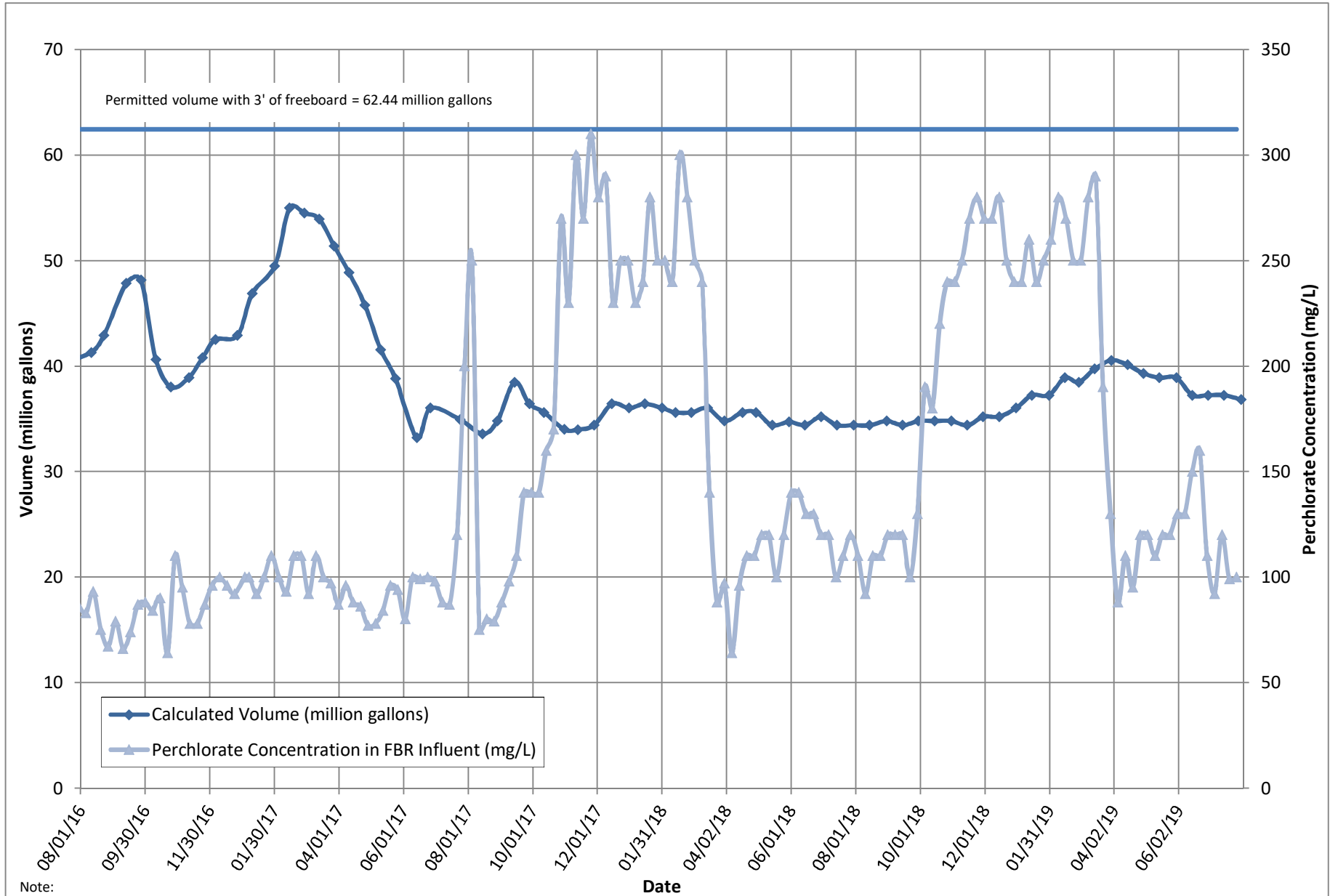
2: Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased in March 2019 to prepare for 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  $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$ .

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)
07/01/19	2.9	1712.39	1.4	1716.62	0.83	1715.34	1.5	1714.76	1.7	1717.68	2.0	1714.04	1.7	1714.27	0.49	1712.52
07/02/19	2.7	1712.43	1.3	1715.47	0.81	1715.17	1.5	1714.71	1.8	1717.59	2.0	1713.95	1.7	1714.47	0.47	1713.17
07/03/19	2.9	1712.37	0.99	1715.42	0.87	1714.61	1.4	1714.76	2.0	1717.55	2.3	1713.99	2.3	1714.51	0.55	1713.56
07/04/19	2.8	1715.03	1.2	1714.06	0.82	1716.32	1.6	1716.22	1.8	1713.92	2.0	1714.35	1.9	1714.06	0.56	1717.82
07/05/19	2.8	1705.08	1.2	1713.03	0.82	1716.40	1.4	1717.52	1.8	1717.92	1.9	1716.05	1.9	1714.81	0.57	1717.02
07/06/19	2.8	1715.03	1.2	1712.46	0.82	1715.82	1.4	1717.52	1.8	1717.92	1.9	1716.05	1.9	1715.11	0.58	1716.12
07/07/19	3.0	1714.33	1.2	1712.41	0.85	1715.86	1.5	1717.45	1.7	1717.81	2.0	1716.05	1.7	1715.05	0.51	1715.68
07/08/19	2.7	1714.34	1.2	1712.40	0.86	1714.91	1.5	1717.41	1.9	1717.66	1.9	1716.04	1.8	1715.11	0.60	1716.08
07/09/19	2.7	1714.35	1.2	1712.42	0.99	1714.61	1.7	1717.31	1.8	1717.58	1.9	1716.05	2.2	1715.14	0.63	1716.06
07/10/19	2.9	1714.29	1.2	1712.48	0.92	1713.56	1.6	1715.21	1.9	1718.22	2.0	1716.16	1.9	1715.06	0.62	1717.12
07/11/19	2.8	1714.03	1.2	1712.86	0.90	1711.98	1.5	1715.14	1.8	1717.52	1.9	1716.05	1.9	1715.04	0.60	1715.52
07/12/19	2.9	1713.93	1.2	1712.96	0.91	1710.32	1.6	1715.12	1.8	1716.72	1.9	1715.75	1.8	1715.01	0.60	1715.92
07/13/19	2.8	1714.33	1.2	1714.06	0.91	1709.67	1.6	1714.02	1.8	1717.52	1.9	1716.85	1.9	1715.21	0.61	1715.92
07/14/19	2.9	1714.41	1.2	1714.28	0.92	1709.77	1.6	1713.84	1.8	1717.44	1.9	1717.00	1.8	1715.31	0.62	1715.86
07/15/19	2.9	1713.18	1.2	1710.18	0.92	1710.80	1.5	1713.96	1.8	1716.90	1.9	1715.04	1.9	1715.01	0.62	1712.96
07/16/19	2.8	1714.37	1.2	1714.10	0.89	1709.78	1.6	1715.60	1.8	1718.52	2.0	1716.50	1.9	1715.21	0.62	1716.22
07/17/19	2.8	1713.52	1.1	1713.59	0.87	1709.82	1.5	1715.62	1.8	1717.61	2.0	1716.64	1.8	1715.18	0.64	1716.21
07/18/19	2.6	1712.41	1.0	1713.56	0.85	1709.95	1.4	1715.53	1.7	1717.52	1.7	1716.42	1.7	1715.12	0.53	1716.60
07/19/19	2.7	1712.48	1.1	1713.61	0.90	1709.66	1.5	1715.64	1.8	1717.02	1.8	1716.45	1.8	1715.29	0.55	1716.51
07/20/19	3.7	1712.47	1.6	1713.68	1.0	1709.57	1.8	1715.57	2.7	1716.72	2.1	1716.49	1.9	1715.23	0.89	1716.44
07/21/19	2.2	1712.43	0.60	1713.71	0.80	1711.67	1.4	1715.42	1.6	1716.87	1.7	1716.31	1.7	1715.56	0.48	1716.91
07/22/19	3.6	1712.42	1.9	1713.86	1.0	1711.82	1.7	1715.29	2.4	1716.82	2.2	1716.02	2.0	1715.68	0.84	1716.06
07/23/19	2.6	1712.40	1.2	1713.82	0.88	1711.98	1.5	1714.62	2.0	1716.67	1.9	1715.45	1.7	1715.80	0.69	1715.12
07/24/19	3.3	1712.43	1.2	1713.75	0.94	1711.95	1.5	1714.92	1.9	1716.98	1.8	1715.95	1.4	1715.50	0.51	1715.14
07/25/19	2.2	1712.74	0.89	1713.76	0.69	1712.08	1.1	1715.52	1.5	1717.02	1.4	1718.45	1.2	1717.83	0.44	1717.12
07/26/19	3.7	1712.65	1.6	1713.64	1.2	1712.01	2.0	1715.26	2.5	1716.82	2.4	1718.00	2.4	1717.48	0.89	1716.46
07/27/19	2.9	1712.43	1.2	1713.68	0.92	1712.22	1.6	1715.37	2.0	1716.74	1.9	1717.72	1.8	1717.54	0.69	1715.95
07/28/19	2.9	1712.53	1.3	1713.54	0.93	1712.40	1.6	1715.40	2.0	1716.95	1.9	1717.82	1.8	1717.29	0.67	1716.02
07/29/19	2.7	1712.71	1.2	1713.89	0.94	1712.62	1.6	1715.54	2.0	1717.41	1.9	1717.68	1.8	1716.90	0.67	1716.34
07/30/19	2.7	1712.43	1.2	1714.36	0.92	1712.52	1.5	1715.34	2.1	1716.91	1.9	1718.20	1.8	1715.11	0.65	1715.05
07/31/19	2.7	1712.32	1.2	1714.36	0.89	1712.49	1.5	1715.29	2.0	1715.57	2.0	1718.18	1.9	1715.36	0.62	1715.18
Monthly Average	2.9	1712.98	1.2	1713.62	0.90	1712.51	1.5	1715.51	1.9	1717.17	1.9	1716.31	1.8	1715.49	0.61	1715.79
Analytical	Conc (mg/L)	Date	Conc <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	350	7/23/2019	1,400	7/23/2019	500	7/23/2019	63	7/23/2019	300	7/23/2019	630	7/23/2019	940	7/23/2019	1,100	7/23/2019
Hexavalent Chromium	0.038	7/23/2019	0.19	7/23/2019	0.36	7/23/2019	0.033	7/23/2019	0.026	7/23/2019	0.024	7/23/2019	0.044	7/23/2019	0.092	7/23/2019
Total Chromium	0.037	7/23/2019	0.20	7/23/2019	0.37	7/23/2019	0.029	7/23/2019	0.026	7/23/2019	0.025	7/23/2019	0.037	7/23/2019	0.087	7/23/2019

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: Duplicates taken on 07/23 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 decreased in March 2019 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

