

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 <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 (gpm)	Water Elevation (ft amsl)
03/01/19	643	168	1536.75	86	1539.48	131	1542.08	111	1537.89	79	1545.99	101	1547.62	50	1548.70	19	1549.76	10	1522.09
03/02/19	644	167	1536.72	86	1539.70	131	1542.06	111	1537.86	79	1545.96	101	1547.59	50	1548.67	19	1549.73	9.7	1522.07
03/03/19	645	169	1536.69	87	1539.70	132	1542.03	111	1537.83	79	1545.94	102	1547.56	50	1548.65	20	1549.71	9.8	1522.02
03/04/19	643	167	1536.67	86	1539.65	131	1542.00	111	1537.81	79	1545.92	101	1547.54	50	1548.62	19	1549.68	9.7	1521.90
03/05/19 <sup>2</sup>	644	168	1536.65	87	1539.52	131	1541.99	111	1537.79	79	1545.92	102	1547.53	50	1548.61	20	1549.67	9.8	1521.93
03/06/19	651	165	1536.65	85	1540.26	128	1542.02	110	1537.79	78	1545.91	100	1547.52	50	1548.61	19	1549.66	10	1521.94
03/07/19	634	166	1536.67	86	1540.10	130	1542.06	110	1537.81	74	1546.17	101	1547.57	50	1548.64	19	1549.69	9.7	1521.93
03/08/19	631	168	1536.64	86	1539.35	131	1542.02	111	1537.78	70	1546.14	101	1547.54	50	1548.61	19	1549.66	9.7	1521.95
03/09/19	631	167	1536.63	86	1540.16	131	1542.02	110	1537.76	71	1546.14	101	1547.53	50	1548.61	19	1549.66	9.7	1522.54
03/10/19	605	163	1536.63	84	1539.65	127	1542.01	107	1537.76	69	1546.13	98	1547.52	49	1548.59	19	1549.64	9.9	1521.84
03/11/19 <sup>2</sup>	633	165	1536.61	85	1540.10	129	1541.99	109	1537.74	70	1546.12	100	1547.51	49	1548.58	19	1549.63	9.8	1521.90
03/12/19	641	167	1536.60	86	1539.63	130	1542.01	111	1537.74	70	1546.12	101	1547.50	50	1548.58	19	1549.62	9.7	1522.41
03/13/19	631	166	1536.57	85	1539.94	130	1541.97	110	1537.70	70	1546.09	100	1547.47	50	1548.54	19	1549.59	9.7	1521.69
03/14/19	630	165	1536.55	85	1540.28	129	1541.95	109	1537.67	70	1546.07	100	1547.45	50	1548.52	19	1549.57	9.6	1521.62
03/15/19	631	166	1536.51	85	1539.83	130	1541.92	110	1537.65	70	1546.06	100	1547.41	50	1548.49	19	1549.53	9.7	1521.79
03/16/19	631	167	1536.52	86	1539.80	131	1541.93	111	1537.66	70	1546.07	101	1547.43	50	1548.50	19	1549.54	10	1521.63
03/17/19	626	167	1536.53	86	1540.26	131	1541.94	111	1537.66	71	1546.07	101	1547.44	50	1548.51	19	1549.56	9.8	1521.65
03/18/19 <sup>2</sup>	629	167	1536.50	86	1540.56	131	1541.91	111	1537.63	71	1546.04	101	1547.40	50	1548.47	19	1549.52	10	1521.85
03/19/19	624	167	1536.49	85	1540.00	131	1541.90	110	1537.63	71	1546.05	101	1547.39	50	1548.46	19	1549.50	9.7	1521.74
03/20/19	625	165	1536.47	84	1540.05	128	1541.88	109	1537.60	69	1546.03	100	1547.37	49	1548.44	19	1549.48	9.6	1521.72
03/21/19	625	167	1536.43	85	1540.35	131	1541.85	110	1537.58	70	1546.01	101	1547.35	50	1548.42	19	1549.46	9.7	1521.68
03/22/19	623	167	1536.42	85	1539.99	131	1541.84	110	1537.56	71	1546.00	101	1547.33	50	1548.41	19	1549.45	9.7	1521.51
03/23/19	616	167	1536.40	85	1540.14	130	1541.82	110	1537.55	70	1545.99	101	1547.33	50	1548.39	19	1549.43	9.7	1521.60
03/24/19	619	170	1536.39	86	1540.18	133	1541.81	112	1537.54	72	1545.97	103	1547.30	51	1548.37	20	1549.41	11	1521.48
03/25/19 <sup>2</sup>	617	168	1536.39	86	1540.18	132	1541.80	111	1537.53	71	1545.97	102	1547.29	51	1548.36	20	1549.40	10	1521.58
03/26/19	623	173	1536.37	88	1540.41	135	1541.79	114	1537.51	73	1545.97	104	1547.28	52	1548.35	20	1549.38	10	1521.66
03/27/19	636	165	1536.46	84	1540.53	129	1541.80	112	1537.48	69	1545.96	100	1547.26	50	1548.33	19	1549.37	9.7	1521.53
03/28/19	630	165	1536.42	85	1540.41	128	1541.78	112	1537.44	70	1545.95	100	1547.25	49	1548.31	19	1549.35	9.6	1521.62
03/29/19	629	166	1536.39	85	1540.36	130	1541.74	110	1537.40	70	1545.95	100	1547.22	50	1548.29	19	1549.33	9.7	1521.42
03/30/19	627	168	1536.36	87	1540.51	131	1541.73	111	1537.38	71	1545.92	101	1547.21	50	1548.28	20	1549.31	10	1521.39
03/31/19	626	167	1536.35	85	1540.50	130	1541.72	110	1537.36	70	1545.90	100	1547.20	50	1548.27	19	1549.30	9.7	1521.50
Monthly Average	630	167	1536.53	86	1540.05	130	1541.92	111	1537.65	72	1546.02	101	1547.42	50	1548.49	19	1549.54	10	1521.78
Analytical		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	3/15/2019	14	3/15/2019	6.1	3/15/2019	6.9	3/15/2019	3.0	3/15/2019	0.49	3/15/2019	0.022	3/15/2019	0.031	3/15/2019	0.68	3/15/2019
Hexavalent Chromium		0.0039	3/15/2019	0.00029	3/15/2019	ND	3/15/2019	0.0041	3/15/2019	ND	3/15/2019	ND	3/15/2019	ND	3/15/2019	ND	3/15/2019	ND	3/15/2019
Total Chromium		0.0036	3/15/2019	ND	3/15/2019	ND	3/15/2019	0.0040	3/15/2019	ND	3/15/2019	ND	3/15/2019	ND	3/15/2019	ND	3/15/2019	ND	3/15/2019

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 03/05, 03/11, 03/18, and 03/25, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 03/07, PC-118 adjusted to meet flow target as directed by the Trust.  
 4: Duplicates taken on 03/15 for well PC-118; 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 <sup>3</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5,6</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>7,8</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>10</sup> (gpm)	Water Elevation (ft amsl)
03/01/19	385	38	1582.66	151	1581.88	18	1580.60	2.8	1579.21	38	1584.51	18	1584.21	178	1582.18	1.5	1576.30
03/02/19	376	38	1582.67	150	1581.88	18	1580.60	2.8	1579.21	20	< 1575.00	19	1584.19	178	1582.18	1.5	1576.30
03/03/19	397	38	1582.65	150	1581.88	18	1580.59	2.8	1579.21	61	1575.01	17	1584.02	178	1582.18	1.5	1576.30
03/04/19	380	38	1583.01	129	1582.52	18	1580.79	2.8	1579.21	60	< 1575.00	18	1584.01	179	1582.52	1.5	1576.30
03/05/19 <sup>2</sup>	389	38	1582.87	150	1582.08	18	1580.75	2.8	1579.22	60	1584.72	18	1584.42	178	1582.35	1.5	1576.30
03/06/19	369	39	1582.78	151	1582.00	19	1580.68	2.8	1579.21	0.00	1584.98	19	1584.62	172	1582.28	1.5	1576.30
03/07/19	370	38	1582.76	150	1581.97	19	1580.66	2.8	1579.21	0.00	1585.08	19	1584.74	187	1582.25	1.5	1576.30
03/08/19	370	38	1582.74	150	1581.95	18	1580.65	2.8	1579.21	0.00	1585.18	19	1584.87	180	1582.24	1.5	1576.30
03/09/19	368	38	1582.74	150	1581.95	19	1580.64	2.8	1579.21	0.00	1585.29	20	1584.95	179	1582.24	1.5	1576.30
03/10/19	353	37	1582.73	144	1581.94	18	1580.64	2.8	1579.21	0.00	1585.35	18	1585.01	171	1582.23	1.5	1576.30
03/11/19 <sup>2</sup>	370	38	1582.73	147	1581.94	18	1580.64	2.8	1579.21	0.00	1585.37	19	1585.08	175	1582.23	1.5	1576.30
03/12/19	369	38	1582.72	150	1581.93	19	1580.63	2.8	1579.21	0.00	1585.47	19	1585.08	179	1582.22	1.5	1576.30
03/13/19	369	38	1582.71	150	1581.92	18	1580.62	2.1	1579.20	0.00	1585.50	20	1585.13	179	1582.21	1.5	1576.30
03/14/19	370	38	1582.70	150	1581.91	19	1580.62	2.8	1579.20	0.00	1585.56	21	1585.48	179	1582.20	1.5	1576.30
03/15/19	377	38	1582.70	150	1581.90	18	1580.62	2.8	1579.20	14	1582.28	20	1584.74	178	1582.20	1.5	1576.30
03/16/19	399	38	1582.70	150	1581.91	19	1580.62	2.8	1579.21	61	1582.51	19	1584.95	177	1582.20	1.5	1576.30
03/17/19	395	38	1582.70	149	1581.91	18	1580.62	2.8	1579.20	59	1582.99	20	1585.19	175	1582.20	1.5	1576.30
03/18/19 <sup>2</sup>	397	38	1582.72	149	1581.90	19	1580.61	2.8	1579.24	60	1582.06	20	1584.69	176	1582.70	1.5	1576.31
03/19/19	394	38	1582.72	150	1581.90	19	1580.61	2.8	1579.24	60	1581.96	16	1584.73	178	1582.70	1.5	1576.31
03/20/19	393	38	1582.77	142	1581.90	18	1580.65	2.7	1579.23	60	1581.74	19	1584.62	178	1582.74	1.5	1576.30
03/21/19	400	38	1582.73	150	1581.86	18	1580.61	2.8	1579.23	60	1581.56	19	1584.52	177	1582.70	1.5	1576.30
03/22/19	387	38	1582.72	150	1581.85	18	1580.61	2.1	1579.23	43	1581.96	18	1584.58	177	1582.69	1.5	1576.30
03/23/19	397	38	1582.71	149	1581.83	19	1580.60	2.8	1579.23	58	1581.62	19	1584.48	176	1582.68	1.5	1576.30
03/24/19	395	39	1582.70	149	1581.83	18	1580.60	2.8	1579.23	58	1581.56	18	1584.48	176	1582.68	1.5	1576.30
03/25/19 <sup>2</sup>	396	39	1582.70	149	1581.83	18	1580.60	2.8	1579.23	58	1581.49	19	1584.42	176	1582.68	1.5	1576.30
03/26/19	397	38	1582.69	150	1581.82	18	1580.59	2.8	1579.23	58	1581.31	19	1584.41	177	1582.68	1.5	1576.30
03/27/19	397	38	1582.69	150	1581.82	19	1580.59	2.8	1579.23	58	1581.22	18	1584.38	177	1582.67	1.5	1576.30
03/28/19	394	34	1582.68	150	1581.84	18	1580.61	2.7	1579.22	57	1581.11	19	1584.38	177	1582.69	1.5	1576.30
03/29/19	395	38	1582.70	150	1581.84	19	1580.58	2.1	1579.22	57	1580.96	18	1584.31	176	1582.67	1.5	1576.30
03/30/19	395	38	1582.69	149	1581.80	18	1580.58	2.8	1579.22	57	1580.82	18	1584.30	176	1582.66	1.5	1576.30
03/31/19	395	38	1582.68	149	1581.79	18	1580.57	2.8	1579.22	57	1580.72	18	1584.27	176	1582.65	1.5	1576.30
Monthly Average	385	38	1582.72	149	1581.91	18	1580.63	2.7	1579.22	38	1582.25	19	1584.62	177	1582.44	1.5	1576.30
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
Perchlorate		23	3/18/2019	12	3/18/2019	200	3/18/2019	140	3/18/2019	190	3/18/2019	100	3/18/2019	84	3/18/2019	38	3/18/2019
Hexavalent Chromium		ND	3/18/2019	0.0067	3/18/2019	0.32	3/18/2019	0.15	3/18/2019	0.61	3/18/2019	0.55	3/18/2019	0.089	3/18/2019	0.035	3/18/2019
Total Chromium		ND	3/18/2019	0.0069	3/18/2019	0.37	3/18/2019	0.16	3/18/2019	0.68	3/18/2019	0.58	3/18/2019	0.098	3/18/2019	0.039	3/18/2019

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>2</sub> = 10 ug/L; NO<sub>2</sub>-N= 0.055 mg/L, Cr(VI) = 0.25 ug/L).  
 ART-1, 2, 3, 4, 7B, and 8 have adjacent recovery wells, both of which can be used for extraction. The pumping well can be chosen manually or automatically, based on operational considerations. The wells with transducers are ART-1, -2, -3, -4, -7A, -8, -9, and PC-150.  
 1: Analytical results are reported from TestAmerica.  
 2: On 03/05, 03/11, 03/18, and 03/25, 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 03/28, ART-1A offline briefly for motor replacement.  
 4: Duplicates taken on 3/18 for well ART-1A; average of both values is presented and used for calculations.  
 5: From 03/04 - 03/05, ART-2A offline intermittently for motor replacement.  
 6: On 3/20, ART-2 offline briefly for motor replacement.  
 7: From 03/02 - 03/14, ART-9 offline due to maintenance.  
 8: On 03/22, ART-9 offline from 7:18 am to 2:03 pm due to maintenance.  
 9: On 03/19, ART-7A online briefly while ART-7B was offline for maintenance.  
 10: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 03/01-03/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
03/01/19	0.23	1722.92	1.1	1707.17	0.00	1720.04	0.00	1723.87	0.00	1736.97	0.60	1709.42	3.4	1707.78	0.91	1718.27	1.3	1708.46	4.2	1708.96
03/02/19	0.23	1722.92	1.1	1707.16	0.00	1720.06	0.00	1723.84	0.00	1736.96	0.60	1709.41	3.4	1707.85	0.90	1718.37	1.3	1708.46	4.2	1709.50
03/03/19	0.23	1722.90	1.1	1707.16	0.00	1720.07	0.00	1723.83	0.00	1737.00	0.60	1709.38	3.4	1707.72	0.88	1717.53	1.3	1708.46	4.2	1710.16
03/04/19	0.23	1722.99	1.1	1707.21	0.00	1720.08	0.00	1723.80	0.00	1737.04	0.61	1709.38	3.3	1707.80	0.88	1719.40	1.3	1708.46	4.2	1710.75
03/05/19 <sup>5</sup>	0.23	1723.10	1.1	1707.49	0.00	1720.10	0.00	1723.82	0.00	1737.03	0.60	1709.41	3.4	1707.90	0.88	1717.57	1.3	1708.46	4.2	1711.58
03/06/19	0.23	1723.14	1.1	1707.79	0.00	1720.13	0.00	1723.81	0.00	1737.04	0.61	1709.41	3.4	1707.85	0.85	1718.54	1.3	1708.46	4.3	1712.24
03/07/19	0.23	1723.15	1.1	1707.85	0.00	1720.16	0.00	1723.82	0.00	1737.08	0.62	1709.40	3.4	1707.83	0.84	1719.48	1.3	1708.46	4.3	1712.98
03/08/19	0.23	1723.11	1.1	1707.89	0.00	1720.18	0.00	1723.78	0.00	1737.08	0.62	1709.41	3.4	1707.81	0.83	1719.22	1.3	1708.46	4.3	1713.52
03/09/19	0.22	1723.14	1.1	1707.96	0.00	1720.21	0.00	1723.79	0.00	1737.21	0.62	1709.41	3.4	1707.87	0.84	1718.71	1.3	1708.45	4.3	1714.18
03/10/19	0.22	1723.21	1.1	1707.97	0.00	1720.22	0.00	1723.76	0.00	1737.08	0.60	1709.39	3.3	1707.70	0.82	1719.76	1.2	1708.46	4.2	1714.67
03/11/19 <sup>2</sup>	0.22	1723.28	1.1	1708.03	0.00	1720.24	0.00	1723.78	0.00	1737.13	0.61	1709.39	3.3	1708.11	0.83	1719.86	1.3	1708.45	4.3	1715.08
03/12/19	0.22	1723.29	1.1	1708.14	0.00	1720.28	0.00	1723.83	0.00	1737.23	0.63	1709.39	3.4	1708.04	0.84	1719.90	1.3	1708.45	4.4	1715.57
03/13/19	0.22	1723.30	1.1	1708.07	0.00	1720.26	0.00	1723.71	0.00	1737.13	0.63	1709.44	3.4	1708.13	0.83	1719.82	1.3	1708.45	4.4	1715.73
03/14/19 <sup>3</sup>	0.22	1723.40	1.1	1708.50	0.00	1720.30	0.00	1723.69	0.00	1737.13	0.64	1709.40	3.4	1708.69	0.80	1719.87	1.3	1708.46	4.3	1716.10
03/15/19 <sup>4</sup>	0.21	1723.53	1.1	1708.10	0.00	1720.25	0.00	1723.72	0.00	1737.11	0.63	1709.40	3.4	1708.12	0.92	1719.97	1.3	1708.47	4.3	1716.11
03/16/19	0.22	1723.52	1.1	1708.10	0.00	1720.22	0.00	1723.74	0.00	1737.05	0.61	1709.39	3.4	1708.27	1.1	1719.88	1.3	1708.46	4.4	1715.72
03/17/19	0.22	1723.52	1.1	1708.14	0.00	1720.21	0.00	1723.76	0.00	1736.89	0.60	1709.38	3.4	1708.53	1.1	1719.16	1.3	1708.46	4.5	1715.25
03/18/19 <sup>2</sup>	0.22	1723.49	1.1	1708.19	0.00	1720.22	0.022	1724.06	0.03	1737.13	0.61	1709.40	3.4	1708.33	1.1	1718.90	1.3	1708.46	4.4	1715.15
03/19/19	0.22	1723.50	1.1	1708.15	0.02	1720.25	0.00	1723.88	0.00	1737.31	0.60	1709.39	3.4	1708.77	1.0	1719.52	1.3	1708.46	4.4	1715.08
03/20/19	0.22	1723.52	1.1	1708.13	0.00	1720.27	0.00	1723.85	0.00	1737.48	0.60	1709.39	3.5	1708.48	1.0	1719.28	1.3	1708.46	4.3	1714.70
03/21/19	0.22	1723.51	1.1	1708.16	0.00	1720.29	0.00	1723.83	0.00	1737.54	0.61	1709.38	3.4	1708.74	1.0	1719.50	1.3	1708.46	4.3	1714.60
03/22/19	0.21	1723.58	1.1	1708.18	0.00	1720.30	0.00	1723.83	0.00	1737.44	0.61	1709.39	3.4	1708.58	1.0	1719.47	1.3	1708.46	4.3	1714.65
03/23/19	0.21	1723.63	1.1	1708.22	0.00	1720.31	0.00	1723.84	0.00	1737.33	0.61	1709.43	3.4	1708.81	1.0	1719.56	1.3	1708.46	4.4	1714.73
03/24/19	0.21	1723.64	1.1	1708.25	0.00	1720.31	0.00	1723.81	0.00	1737.37	0.61	1709.39	3.4	1708.59	1.0	1719.83	1.3	1708.46	4.5	1714.76
03/25/19 <sup>2</sup>	0.21	1723.58	1.1	1708.31	0.00	1720.33	0.00	1723.84	0.00	1737.37	0.61	1709.39	3.4	1708.75	1.0	1719.57	1.3	1708.46	4.4	1714.90
03/26/19	0.22	1723.56	1.1	1708.36	0.00	1720.34	0.00	1723.86	0.00	1737.53	0.61	1709.39	3.4	1708.57	1.1	1719.17	1.3	1708.46	4.4	1715.03
03/27/19	0.22	1723.55	1.1	1708.37	0.00	1720.35	0.00	1723.84	0.00	1737.41	0.62	1709.39	3.5	1708.82	0.92	1719.46	1.3	1708.46	4.4	1715.19
03/28/19	0.21	1723.60	1.1	1708.45	0.00	1720.37	0.00	1723.83	0.00	1737.37	0.62	1709.39	3.4	1709.14	0.91	1720.09	1.3	1708.46	4.3	1715.42
03/29/19	0.21	1723.66	1.1	1708.51	0.00	1720.38	0.00	1723.80	0.00	1737.38	0.62	1709.39	3.4	1709.25	0.90	1720.13	1.3	1708.45	4.3	1715.65
03/30/19	0.21	1723.72	1.1	1708.58	0.00	1720.39	0.00	1723.80	0.00	1737.28	0.62	1709.38	3.4	1709.05	0.91	1720.00	1.3	1708.46	4.4	1715.86
03/31/19	0.21	1723.84	1.1	1708.61	0.00	1720.41	0.00	1723.81	0.00	1737.31	0.62	1709.40	3.4	1709.44	0.94	1720.11	1.3	1708.47	4.5	1716.01
Monthly Average	0.22	1723.38	1.1	1708.04	0.00	1720.24	0.00	1723.81	0.00	1737.21	0.61	1709.40	3.4	1708.37	0.93	1719.35	1.3	1708.46	4.3	1714.19
Analytical <sup>1</sup>	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	650	3/19/2019	43	3/19/2019	150	3/19/2019	245	3/18/2019	150	3/18/2019	250	3/19/2019	460	3/19/2019	380	3/19/2019	470	3/19/2019	580	3/19/2019
Hexavalent Chromium	0.42	3/19/2019	0.056	3/19/2019	0.014	3/19/2019	2.3	3/18/2019	1.4	3/18/2019	0.16	3/19/2019	2.5	3/19/2019	4.6	3/19/2019	5.7	H 3/19/2019	11	3/19/2019
Total Chromium	6.7	3/19/2019	0.064	3/19/2019	0.022	3/19/2019	2.3	3/18/2019	1.5	3/18/2019	0.17	3/19/2019	2.5	3/19/2019	4.5	3/19/2019	7.2	3/19/2019	14	3/19/2019

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 03/05, 03/11, 03/18, and 03/25, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 03/14, IWF offline briefly due to high level at intake tank.  
 4: On 03/15, IWF offline briefly due to high level at intake tank.  
 5: Duplicates taken on 03/18 for well I-AC; average of both values is presented and used for calculations.  
 6: On 03/15, I-D, I-N, I-Q, I-R, and I-W adjusted to meet flow target as directed by the Trust.  
 7: On 03/24, I-D adjusted to meet flow target as directed by the Trust.  
 8: On 03/25, I-D adjusted to meet flow target as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow <sup>9,10,11</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>12</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>12</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)
03/01/19	0.11	1713.98	1.1	1709.34	5.1	1721.16	6.3	1712.02	3.5	1709.30	1.0	1717.01	1.9	1718.48	2.4	1716.81	1.5	1718.70	1.5	1719.04
03/02/19	0.11	1713.91	1.1	1709.26	5.2	1721.17	6.3	1712.02	3.5	1709.25	0.99	1717.15	1.9	1718.51	2.4	1716.94	1.5	1718.64	1.5	1719.04
03/03/19	0.11	1713.95	1.1	1709.39	5.2	1721.18	6.3	1712.02	3.5	1709.62	0.99	1717.27	1.9	1718.53	2.4	1717.00	1.5	1718.72	1.5	1719.06
03/04/19	0.11	1713.96	1.1	1709.32	5.2	1721.17	6.2	1712.02	3.5	1709.54	0.96	1717.41	1.9	1718.55	2.4	1717.07	1.5	1718.70	1.5	1719.04
03/05/19 <sup>2</sup>	0.11	1713.89	1.1	1709.31	5.2	1721.18	6.2	1712.02	3.5	1709.24	0.98	1717.55	1.9	1718.60	2.4	1717.14	1.5	1718.81	1.5	1719.08
03/06/19	0.11	1713.88	1.1	1709.28	5.1	1721.19	6.2	1712.02	3.5	1710.08	0.94	1717.58	1.9	1718.64	2.4	1717.20	1.5	1718.68	1.5	1719.08
03/07/19	0.11	1713.95	1.1	1709.37	5.1	1721.21	6.3	1712.02	3.5	1709.20	0.95	1717.16	2.1	1718.70	2.4	1717.26	1.5	1719.03	1.5	1719.12
03/08/19	0.11	1713.90	1.1	1709.29	5.1	1721.18	6.3	1712.02	3.5	1709.47	0.93	1717.83	1.7	1718.72	2.4	1717.28	1.5	1718.84	1.5	1719.12
03/09/19	0.11	1714.01	1.1	1709.30	5.2	1721.19	6.3	1712.02	3.5	1710.12	0.94	1717.63	1.9	1718.76	2.4	1717.35	1.5	1718.70	1.5	1719.12
03/10/19	0.11	1714.00	1.1	1709.30	4.9	1721.18	6.0	1712.18	3.4	1710.17	0.92	1717.74	1.8	1718.78	2.2	1717.39	1.4	1719.06	1.5	1719.09
03/11/19 <sup>2</sup>	0.11	1714.04	1.1	1709.41	5.1	1721.19	6.2	1712.02	3.4	1709.17	0.93	1717.85	1.9	1718.82	2.3	1717.44	1.5	1718.97	1.5	1719.11
03/12/19	0.11	1714.20	1.1	1709.34	5.1	1721.22	6.3	1712.03	3.5	1709.18	0.95	1717.93	1.9	1718.84	2.4	1717.50	1.5	1719.02	1.5	1719.15
03/13/19	0.11	1714.05	1.1	1709.32	5.1	1721.15	6.3	1712.03	3.5	1710.32	0.92	1718.13	1.9	1718.88	2.3	1717.52	1.5	1719.04	1.5	1719.12
03/14/19 <sup>3</sup>	0.11	1714.19	1.1	1709.34	5.1	1721.16	6.2	1712.03	3.5	1709.32	0.78	1719.44	1.8	1718.99	2.3	1717.67	1.5	1719.08	1.4	1719.32
03/15/19 <sup>4</sup>	0.11	1714.39	1.1	1709.34	5.1	1721.18	6.2	1712.03	3.5	1710.79	0.70	1719.36	1.8	1719.39	2.8	1715.28	1.5	1719.11	1.4	1719.32
03/16/19	0.11	1714.47	1.1	1709.32	5.2	1721.18	6.3	1712.03	3.5	1710.35	0.79	1716.46	1.8	1718.48	3.2	1714.84	1.5	1719.09	1.5	1719.31
03/17/19	0.11	1714.55	1.1	1709.31	5.2	1721.19	6.3	1712.04	3.5	1709.82	1.1	1716.41	2.1	1718.46	3.1	1715.12	1.5	1718.44	1.5	1719.33
03/18/19 <sup>5</sup>	0.11	1714.25	1.1	1709.30	5.2	1721.20	6.3	1712.03	3.5	1709.18	1.1	1716.72	2.1	1718.42	3.1	1715.49	1.5	1719.04	1.5	1719.33
03/19/19	0.10	1715.20	1.1	1709.24	5.1	1721.20	6.3	1712.03	3.5	1709.20	1.1	1716.78	2.1	1718.43	2.9	1715.84	1.5	1719.02	1.5	1719.16
03/20/19	0.10	1715.28	1.1	1709.21	5.1	1721.18	6.3	1712.02	3.5	1709.82	1.1	1716.74	2.1	1718.43	2.9	1716.02	1.5	1718.89	1.6	1719.15
03/21/19	0.10	1715.90	1.1	1709.31	5.2	1721.17	6.3	1712.02	3.5	1709.93	1.1	1716.83	2.1	1718.43	2.8	1716.41	1.5	1719.03	1.6	1719.15
03/22/19	0.09	1715.46	1.1	1709.30	5.2	1721.16	6.3	1712.02	3.5	1709.26	1.1	1716.95	2.1	1718.45	2.7	1716.56	1.5	1719.02	1.5	1719.17
03/23/19	0.09	1716.20	1.1	1709.33	5.2	1721.17	6.3	1712.03	3.5	1710.16	1.1	1716.49	2.1	1718.51	2.7	1716.58	1.5	1718.87	1.5	1719.16
03/24/19	0.08	1716.28	1.1	1709.25	5.2	1721.14	6.3	1712.02	3.5	1709.93	1.1	1716.58	2.1	1718.51	2.7	1716.65	1.5	1718.94	1.5	1719.17
03/25/19 <sup>2</sup>	0.09	1716.10	1.1	1709.25	5.2	1721.16	6.3	1712.02	3.5	1709.48	1.1	1716.76	2.1	1718.51	2.7	1716.72	1.5	1718.98	1.5	1719.21
03/26/19	0.12	1713.09	1.1	1709.37	5.1	1721.17	6.2	1712.02	3.5	1709.17	1.1	1716.73	2.1	1718.52	2.7	1716.79	1.5	1719.04	1.5	1719.21
03/27/19	0.12	1713.71	1.1	1709.26	5.2	1721.16	6.2	1712.03	3.5	1709.50	1.1	1717.02	2.1	1718.55	2.7	1716.87	1.5	1718.98	1.5	1719.21
03/28/19	0.12	1713.72	1.1	1709.27	5.2	1721.15	6.2	1712.03	3.5	1709.37	1.0	1717.15	2.1	1718.59	2.7	1716.99	1.6	1718.80	1.5	1719.17
03/29/19	0.12	1713.76	1.1	1709.31	5.2	1721.13	6.2	1712.02	3.5	1709.19	1.0	1717.18	2.1	1718.62	2.7	1717.03	1.6	1718.67	1.5	1719.14
03/30/19	0.11	1714.15	1.1	1709.26	5.2	1721.12	6.2	1712.02	3.5	1709.99	1.0	1717.18	2.1	1718.62	2.7	1717.11	1.6	1718.76	1.5	1719.11
03/31/19	0.11	1714.32	1.1	1709.23	5.2	1721.13	6.2	1712.02	3.5	1709.97	1.0	1717.29	2.1	1718.65	2.6	1717.19	1.6	1718.61	1.5	1719.11
Monthly Average	0.11	1714.41	1.1	1709.30	5.1	1721.17	6.2	1712.03	3.5	1709.65	0.99	1717.30	2.0	1718.62	2.6	1716.74	1.5	1718.88	1.5	1719.16
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	1,300	3/19/2019	930	3/19/2019	680	3/18/2019	310	3/18/2019	240	3/18/2019	270	3/19/2019	560	3/19/2019	430	3/19/2019	780	3/19/2019	870	3/19/2019
Hexavalent Chromium	18	3/19/2019	14	3/19/2019	9.2	3/18/2019	4.0	3/18/2019	2.3	3/18/2019	0.83	3/19/2019	6.0	3/19/2019	6.0	3/19/2019	15	3/19/2019	13	3/19/2019
Total Chromium	22	3/19/2019	17	3/19/2019	9.2	3/18/2019	3.9	3/18/2019	2.3	3/18/2019	0.83	3/19/2019	5.5	3/19/2019	6.9	3/19/2019	18	3/19/2019	17	3/19/2019

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
  - 1: Analytical results are reported from TestAmerica.
  - 2: On 03/05, 03/11, 03/18, and 03/25, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
  - 3: On 03/14, IWF offline briefly due to high level at intake tank.
  - 4: On 03/15, IWF offline briefly due to high level at intake tank.
  - 6: On 03/15, I-D, I-N, I-Q, I-R, and I-W adjusted to meet flow target as directed by the Trust.
  - 9: On 03/18, I-G adjusted to meet flow target as directed by the Trust.
  - 10: On 03/22, I-G adjusted to meet flow target as directed by the Trust.
  - 11: On 03/25, I-G adjusted to meet flow target as directed by the Trust.
  - 12: On 03/16, I-L and I-M 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 <sup>6,13</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)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation <sup>14</sup> (ft amsl)
03/01/19	0.22	1717.23	0.59	1717.81	2.4	1705.79	0.47	1707.79	0.62	1712.39	4.3	1718.37	0.73	1700.55	3.4	1698.19	1.4	1709.43	7.3	< 1707.89
03/02/19	0.22	1717.25	0.62	1717.96	2.4	1705.75	0.47	1707.78	0.62	1712.34	4.3	1718.40	0.73	1700.49	3.5	1698.13	1.4	1709.15	7.3	< 1707.89
03/03/19	0.22	1717.25	0.60	1718.01	2.4	1705.74	0.47	1707.79	0.62	1712.35	4.2	1718.39	0.74	1700.37	3.5	1698.12	1.4	1710.13	7.3	< 1707.89
03/04/19	0.22	1717.20	0.59	1718.04	2.4	1705.83	0.47	1707.79	0.61	1712.24	4.2	1718.38	0.74	1700.52	3.5	1698.15	1.4	1710.88	7.3	< 1707.89
03/05/19 <sup>2</sup>	0.22	1717.24	0.59	1718.02	2.4	1705.75	0.47	1707.80	0.62	1712.19	4.2	1718.41	0.74	1700.42	3.5	1698.18	1.4	1710.43	7.3	< 1707.89
03/06/19	0.22	1717.25	0.59	1718.19	2.5	1705.78	0.47	1707.80	0.63	1712.32	4.3	1718.43	0.74	1700.57	3.5	1698.15	1.4	1710.99	7.4	< 1707.89
03/07/19	0.23	1717.22	0.52	1718.45	2.5	1705.79	0.47	1707.80	0.62	1712.48	4.3	1718.47	0.74	1700.51	3.5	1698.12	1.4	1711.02	7.4	< 1707.89
03/08/19	0.23	1717.21	0.50	1718.47	2.6	1705.75	0.47	1707.79	0.62	1712.34	4.3	1718.44	0.74	1700.46	3.6	1698.11	1.4	1710.94	7.4	< 1707.89
03/09/19	0.23	1717.24	0.48	1718.66	2.6	1705.85	0.47	1707.79	0.62	1712.32	4.3	1718.45	0.74	1700.41	3.6	1698.13	1.4	1710.79	7.4	< 1707.89
03/10/19	0.22	1717.24	0.46	1718.60	2.5	1705.80	0.45	1707.78	0.59	1712.22	4.1	1718.43	0.71	1700.03	3.4	1698.19	1.3	1710.39	7.0	< 1707.89
03/11/19 <sup>2</sup>	0.22	1717.26	0.47	1718.83	2.5	1705.79	0.46	1707.79	0.61	1712.45	4.2	1718.45	0.72	1700.51	3.5	1698.19	1.4	1712.23	7.2	< 1707.89
03/12/19	0.23	1717.28	0.43	1718.94	2.7	1705.79	0.48	1707.80	0.62	1712.47	4.3	1718.52	0.74	1700.44	3.6	1698.13	1.4	1712.34	7.4	< 1707.89
03/13/19	0.23	1717.22	0.41	1718.87	2.7	1705.77	0.47	1707.79	0.62	1712.47	4.3	1718.39	0.74	1700.49	3.6	1698.14	1.4	1712.28	7.3	< 1707.89
03/14/19 <sup>3</sup>	0.19	1717.62	0.34	1719.40	2.7	1705.71	0.47	1707.79	0.59	1712.80	4.3	1718.36	0.70	1700.46	3.7	1698.14	1.4	1712.26	7.3	< 1707.89
03/15/19 <sup>4</sup>	0.17	1717.62	0.66	1716.48	2.8	1705.76	0.48	1707.79	0.58	1713.34	4.3	1718.42	0.71	1700.53	3.7	1698.14	1.4	1712.28	7.4	< 1707.89
03/16/19	0.16	1717.70	1.0	1716.03	2.8	1705.84	0.27	1707.79	0.57	1713.30	4.3	1718.39	0.74	1700.47	3.6	1698.16	1.4	1712.24	7.4	< 1707.89
03/17/19	0.16	1717.76	1.0	1716.12	2.6	1705.73	0.69	1707.79	0.57	1713.35	4.4	1718.39	0.74	1700.51	3.5	1698.14	1.4	1709.70	7.4	< 1707.89
03/18/19 <sup>2</sup>	0.16	1717.78	1.0	1716.13	2.7	1705.81	0.69	1707.79	0.57	1713.27	4.4	1718.40	0.74	1700.53	3.6	1698.13	1.4	1709.76	7.4	< 1707.89
03/19/19	0.29	1714.51	1.0	1716.14	2.6	1705.73	0.48	1707.79	0.59	1713.08	4.3	1718.39	0.72	1700.45	3.5	1698.14	1.4	1709.97	7.4	< 1707.89
03/20/19	0.45	1714.52	0.98	1716.47	2.6	1705.76	0.48	1707.78	0.59	1713.05	4.3	1718.36	0.73	1700.51	3.5	1698.18	1.4	1709.95	7.4	< 1707.89
03/21/19	0.44	1714.52	0.95	1716.57	2.7	1705.71	0.48	1707.79	0.59	1712.98	4.3	1718.33	0.73	1700.44	3.5	1698.18	1.4	1710.18	7.4	< 1707.89
03/22/19	0.43	1714.52	0.94	1716.47	2.7	1705.71	0.48	1707.78	0.59	1713.01	4.3	1718.30	0.72	1700.52	3.5	1698.15	1.4	1710.05	7.4	< 1707.89
03/23/19	0.42	1714.73	0.96	1716.46	2.7	1705.71	0.48	1707.79	0.59	1713.08	4.4	1718.32	0.73	1700.41	3.6	1698.18	1.4	1710.17	7.4	< 1707.89
03/24/19	0.41	1714.92	0.95	1716.45	2.7	1705.77	0.48	1707.79	0.59	1713.00	4.4	1718.25	0.72	1700.55	3.6	1698.14	1.4	1710.27	7.4	< 1707.89
03/25/19 <sup>2</sup>	0.42	1715.05	0.96	1716.40	2.7	1705.75	0.48	1707.78	0.59	1713.06	4.4	1718.29	0.73	1700.43	3.6	1698.14	1.4	1710.14	7.4	< 1707.89
03/26/19	0.40	1715.21	0.98	1716.41	2.7	1705.74	0.48	1707.79	0.59	1713.08	4.3	1718.30	0.72	1700.52	3.6	1698.16	1.4	1710.17	7.4	< 1707.89
03/27/19	0.39	1715.28	0.97	1716.43	2.7	1705.78	0.48	1707.79	0.59	1712.99	4.3	1718.29	0.72	1700.45	3.6	1698.17	1.4	1710.12	7.4	< 1707.89
03/28/19	0.39	1715.38	0.95	1716.43	2.7	1705.81	0.48	1707.79	0.59	1712.94	4.3	1718.25	0.72	1700.45	3.6	1698.13	1.4	1710.89	7.4	< 1707.89
03/29/19	0.39	1715.28	1.0	1716.50	2.8	1705.79	0.48	1707.79	0.59	1713.01	4.3	1718.17	0.71	1700.51	3.6	1698.13	1.4	1711.00	7.3	< 1707.89
03/30/19	0.39	1715.35	0.97	1716.45	2.8	1705.74	0.48	1707.79	0.59	1712.99	4.4	1718.14	0.71	1700.42	3.6	1698.15	1.4	1710.85	7.3	< 1707.89
03/31/19	0.39	1715.34	0.99	1716.47	2.8	1705.74	0.48	1707.79	0.59	1713.03	4.4	1718.15	0.71	1700.49	3.6	1698.14	1.4	1711.22	7.3	< 1707.89
Monthly Average	0.29	1716.36	0.76	1717.31	2.6	1705.77	0.48	1707.79	0.60	1712.77	4.3	1718.36	0.73	1700.47	3.6	1698.15	1.4	1710.71	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	710	3/19/2019	720	3/19/2019	340	3/19/2019	1,300	3/19/2019	1,400	3/19/2019	820	3/18/2019	760	3/19/2019	750	3/19/2019	490	3/19/2019	330	3/18/2019
Hexavalent Chromium	14	3/19/2019	0.52	3/19/2019	1.2	3/19/2019	17	3/19/2019	17	3/19/2019	12	3/19/2019	15	3/19/2019	8.4	3/19/2019	0.83	3/19/2019	7.6	3/18/2019
Total Chromium	17	3/19/2019	0.54	3/19/2019	1.2	3/19/2019	21	3/19/2019	19	3/19/2019	12	3/19/2019	17	3/19/2019	9.8	3/19/2019	0.82	3/19/2019	7.7	3/18/2019

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading.

1: Analytical results are reported from TestAmerica.

2: On 03/05, 03/11, 03/18, and 03/25, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

3: On 03/14, IWF offline briefly due to high level at intake tank.

4: On 03/15, IWF offline briefly due to high level at intake tank.

6: On 03/15, I-D, I-N, I-Q, I-R, and I-W adjusted to meet flow target as directed by the Trust.

13: On 03/19, I-Q adjusted to meet flow target as directed by the Trust.

14: 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>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>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)
03/01/19	941	72				0.00				1,052		218				
03/02/19	935	70				0.00				1,004	250	259				
03/03/19	955	70				0.00				1,026		244				
03/04/19	937	74				0.00				1,011		132				
03/05/19 <sup>3</sup>	946	75				0.00				1,021		238	140	11	0.051	0.036
03/06/19	937	75	0.41	ND	550	0.00				1,012		253				
03/07/19	922	75				0.00				997		262				
03/08/19	917	75				0.00				992		273				
03/09/19	917	74				0.00				992	280	250				
03/10/19	878	69				0.00				947		240				
03/11/19 <sup>3</sup>	920	71				0.00				991		263		9.7	0.044	0.038
03/12/19	928	73				0.00				1,001		263				
03/13/19	918	76	0.26	ND	580	0.00				993		259				
03/14/19	917	76				0.00				993		183				
03/15/19	924	75				0.00				999		253				
03/16/19	946	76				0.00				1,173	290	228				
03/17/19	939	78				0.00				1,195		208				
03/18/19 <sup>3</sup>	943	77				0.00				1,119		216		9.4	0.021	0.011
03/19/19	941	78				0.00				1,070		219				
03/20/19	942	80				0.00				1,033		99				
03/21/19	946	79	0.19	ND	550	6.1	0.070	0.031	56	1,025		106				
03/22/19	935	80				0.00				1,015		88				
03/23/19	942	80				0.00				1,022	190	107				
03/24/19	943	78				0.00				1,021		102				
03/25/19 <sup>3</sup>	943	80				0.00				1,023		95		11	0.033	0.020
03/26/19	977	80				0.00				1,057		109				
03/27/19	918	81	0.21	ND	590	0.00				999		110				
03/28/19	940	80				0.00				1,020		114				
03/29/19	942	80				0.00				1,022		119				
03/30/19	942	81				0.00				1,134	130	75				
03/31/19	941	95				0.00				1,140		76				
Monthly Average <sup>2</sup>	935	77	0.27	ND	567	0.20	0.07	0.03	56	1,035	233	182	140	10.3	0.037	0.025

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).

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

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

3: On 03/05, 03/11, 03/18, and 03/25, 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 03/01 to 03/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.

5: From 03/01 to 03/31, 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>2</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)
03/01/19	953	7.0	-383	867	7.1	-372	1,048		ND					3
03/02/19	963	6.9	-381	1,027	6.9	-372	952	ND	ND					3
03/03/19	948	6.8	-378	907	6.8	-375	951		ND					1
03/04/19	952	6.8	-348	896	6.7	-376	921		ND					1
03/05/19	945	7.0	-390	705	6.9	-378	935		ND	ND	0.011	ND	ND	1
03/06/19	945	6.9	-387	884	6.8	-380	942		ND					1
03/07/19	959	6.9	-382	911	6.7	-382	952		ND					1
03/08/19	965	6.7	-309	575	6.6	-372	952		ND					2
03/09/19	964	6.8	-367	470	6.7	-376	954	0.0060	ND					2
03/10/19	955	6.7	-356	787	6.6	-377	909		ND					1
03/11/19	956	6.7	-355	819	6.7	-379	941		ND		0.0051	ND	ND	1
03/12/19	965	6.8	-369	926	6.7	-381	944		ND					1
03/13/19	962	6.6	-375	867	6.7	-383	931		ND					1
03/14/19	970	6.7	-386	848	6.7	-383	907		ND					1
03/15/19	1,143	6.8	-384	1,006	6.7	-382	974		ND					1
03/16/19	1,142	7.0	-376	1,006	6.8	-384	1,093	ND	ND					1
03/17/19	1,103	7.1	-376	1,005	6.8	-383	1,046		ND					5
03/18/19	1,131	7.3	-327	968	6.9	-384	972		ND		0.0058	ND	ND	5
03/19/19	1,099	7.3	-381	709	6.9	-396	1,102		ND					3
03/20/19	1,083	7.2	-369	1,009	6.9	-403	1,062		ND					1
03/21/19	1,069	7.1	-367	887	7.0	-396	1,043		ND					1
03/22/19	1,066	7.2	-311	926	6.9	-390	1,037		ND					1
03/23/19	1,035	7.2	-317	821	7.0	-386	1,021	ND	ND					1
03/24/19	1,022	7.2	-356	939	6.9	-394	1,000		ND					35
03/25/19	996	7.2	-351	814	6.9	-398	976		ND		0.0120	ND	ND	1
03/26/19	969	6.5	-267	637	6.9	-292	940		ND					1
03/27/19	911	6.7	-262	698	7.0	-258	894		ND					2
03/28/19	888	6.6	-299	663	6.9	-257	852		ND					16
03/29/19	1,050	6.6	-323	919	6.9	-262	881		ND					18
03/30/19	1,129	6.7	-337	984	7.0	-272	1,094	ND	ND					17
03/31/19	1,026	6.7	-330	871	6.9	-284	1,110		ND					23
Monthly Average <sup>2</sup>	1,008	6.9	-352	850	6.8	-363	979	0.0013	ND	ND	0.0088	ND	ND	5

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).

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		
Date	Field Measurement (ft)	Volume (MG)
03/15/19	27.6	39.7
03/31/19	27.0	40.6

GW-11 Leak Detection Monitoring				
Date	Amount Pumped <sup>1</sup> (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
03/13/19	0	34	695	0
03/27/19	0	0	695	0

GW-11 Composite Sample <sup>2</sup>		
Analytes	Concentration	Units
Perchlorate	26	mg/L
Chlorate	98	mg/L
Ammonia as N	0.60	mg/L
Total Phosphorus	1.2	mg/L
Total Dissolved Solids (TDS)	9,000	mg/L
Total Suspended Solids (TSS)	95	mg/L
pH	8.3 HF	s.u.
Calcium	420	mg/L
Iron	1.5	mg/L
Chromium (total)	0.36	mg/L
Chromium VI	0.16	mg/L
Chloride	2,800	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,400	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: Pumping occurs over three consecutive days. The total amount pumped over the three day period is listed with the last day pumping occurred.

2: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: February 27, 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)		
Apr 2018	1,079	91	13	120	624	945
May 2018	1,044	116	12	150	719	894
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	10.0	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

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.

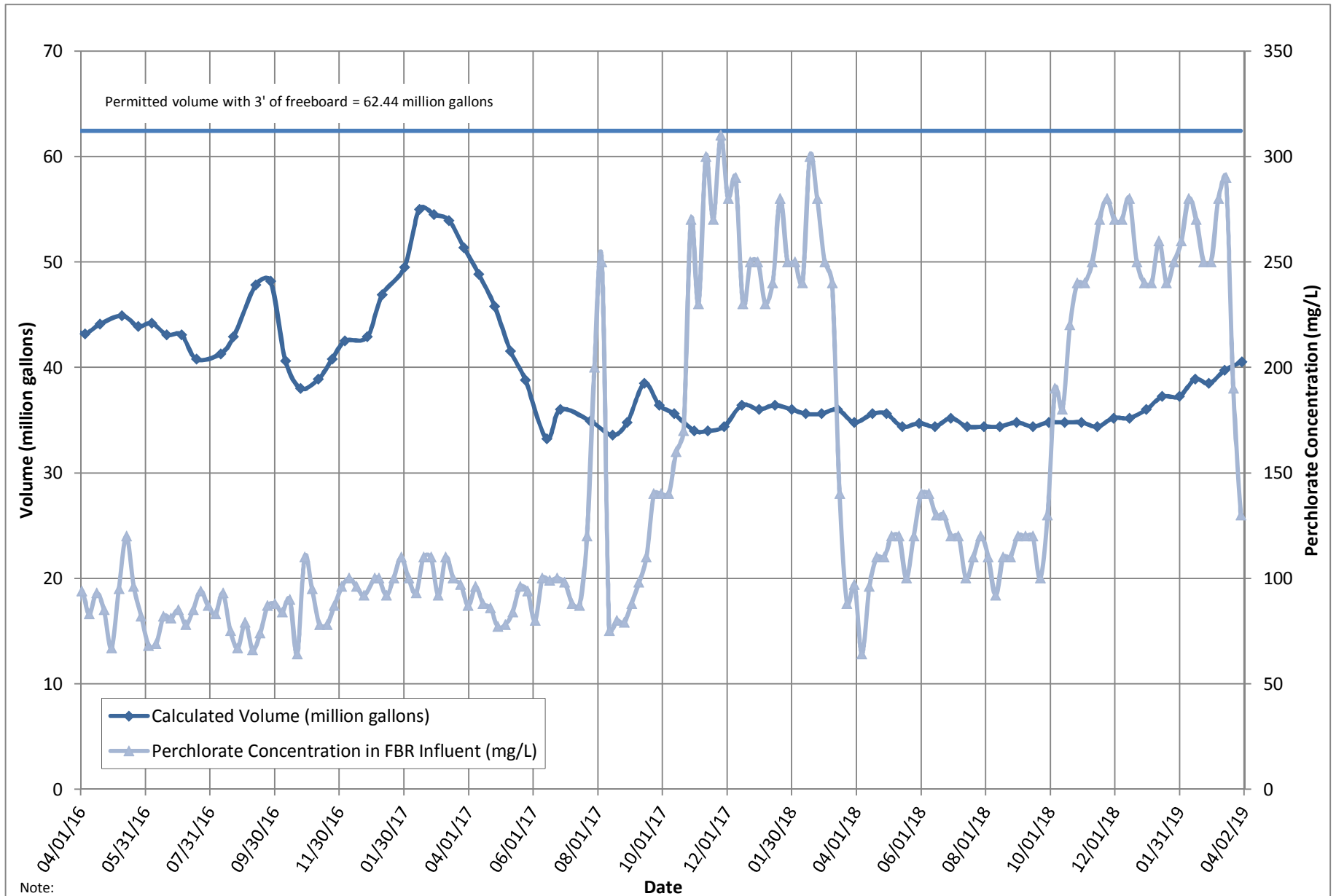
3: FBR loading calculated as  $[(0.9 \times \text{NO}_3 \text{ as N} + 0.17 \times \text{ClO}_3 + 0.18 \times \text{ClO}_4) \times \text{Flow} \times 1440 / 1000000 \times 8.34]$ .

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 <sup>2</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>4</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)
03/01/19	2.3	1712.39	0.37	1710.93	0.74	1712.50	0.78	1715.74	1.5	1713.31	1.3	1716.11	1.4	1714.79	0.33	1713.26
03/02/19	2.6	1715.22	0.21	1712.84	0.75	1710.95	0.84	1719.50	1.6	1713.84	1.4	1718.99	1.4	1716.37	0.44	1716.74
03/03/19	2.6	1715.38	0.23	1713.94	0.78	1711.18	0.94	1717.63	1.5	1711.37	1.4	1717.03	1.5	1714.63	0.45	1713.43
03/04/19	2.6	1710.74	0.11	1714.93	0.80	1712.26	0.90	1715.35	1.5	1714.96	1.4	1717.07	1.5	1715.01	0.37	1711.89
03/05/19	2.3	1710.77	0.21	1715.05	0.76	1712.31	0.89	1717.02	1.6	1715.34	1.4	1718.45	1.4	1715.30	0.33	1716.68
03/06/19	3.0	1710.76	0.62	1714.27	0.66	1712.34	1.0	1716.98	1.2	1715.31	1.3	1717.94	1.6	1715.35	0.40	1716.64
03/07/19	2.7	1711.58	0.68	1717.76	0.31	1725.62	1.0	1716.82	1.5	1715.70	1.4	1719.23	1.5	1715.90	0.41	1715.78
03/08/19	2.7	1711.15	0.47	1712.51	0.26	1712.60	0.89	1715.58	1.4	1715.78	1.4	1718.43	1.4	1715.77	0.37	1716.29
03/09/19	2.6	1711.57	0.53	1710.84	0.19	1711.10	0.94	1714.54	1.4	1715.94	1.4	1716.82	1.6	1713.99	0.81	1714.64
03/10/19	2.7	1711.63	0.58	1715.06	0.12	1714.90	0.91	1716.84	1.4	1715.82	1.4	1718.17	1.6	1714.63	0.24	1715.74
03/11/19	2.6	1711.67	0.94	1715.05	0.35	1715.26	0.97	1718.02	1.4	1716.20	1.5	1718.55	1.6	1715.01	0.39	1716.72
03/12/19	2.6	1711.59	0.91	1713.50	0.31	1714.52	0.98	1717.33	1.4	1716.31	1.5	1718.20	1.6	1715.11	0.39	1716.95
03/13/19	2.7	1711.56	0.85	1713.62	0.30	1714.61	1.1	1717.21	1.4	1716.22	1.5	1717.05	1.6	1714.76	0.38	1716.57
03/14/19	2.6	1711.49	0.76	1713.55	0.36	1714.58	0.10	1716.77	1.4	1716.59	1.6	1718.05	1.5	1715.20	0.38	1718.04
03/15/19	2.6	1711.61	0.50	1713.38	0.38	1713.95	0.11	1716.60	1.4	1716.74	1.6	1717.93	1.5	1715.36	0.36	1717.90
03/16/19	2.6	1711.63	0.77	1713.30	1.0	1714.22	2.8	1716.71	1.5	1716.90	0.51	1717.74	1.3	1715.39	0.42	1718.24
03/17/19	2.6	1711.67	0.73	1713.35	0.66	1714.27	1.1	1716.82	1.5	1716.86	1.3	1717.61	1.6	1715.43	0.41	1718.02
03/18/19	2.6	1711.52	0.72	1713.22	0.64	1713.51	1.0	1708.72	1.4	1716.48	1.3	1719.85	1.5	1715.41	0.42	1714.17
03/19/19	2.6	1711.42	0.89	1712.46	0.61	1713.49	0.10	1716.84	1.4	1716.74	1.4	1720.36	1.5	1715.61	0.43	1715.17
03/20/19	2.8	1711.47	0.54	1712.55	0.77	1713.60	2.5	1716.96	1.6	1716.77	1.5	1719.06	1.7	1716.00	0.40	1715.68
03/21/19	2.6	1711.48	0.80	1711.85	0.69	1710.47	1.0	1719.35	2.4	1717.11	1.4	1720.40	1.5	1715.99	0.41	1717.14
03/22/19	2.6	1711.63	0.80	1711.75	0.72	1710.70	1.0	1718.26	1.4	1716.83	1.5	1718.55	1.5	1716.09	0.40	1716.76
03/23/19	2.7	1711.68	0.80	1712.13	0.62	1711.16	1.1	1716.82	1.1	1717.16	1.8	1717.97	1.7	1715.36	0.67	1717.14
03/24/19	2.6	1711.61	0.77	1711.90	0.70	1711.60	1.0	1716.44	1.6	1716.94	1.5	1717.77	1.6	1715.90	0.51	1717.12
03/25/19	2.7	1711.67	0.83	1711.55	0.69	1711.51	0.93	1718.37	1.7	1714.91	1.5	1718.18	1.5	1715.62	0.48	1713.62
03/26/19	2.6	1711.42	0.83	1711.47	0.70	1711.55	0.96	1720.32	1.7	1714.19	1.6	1718.81	2.8	1715.94	0.87	1714.16
03/27/19	2.7	1711.50	0.82	1711.65	0.70	1711.47	1.1	1718.20	1.7	1714.84	1.6	1717.88	0.97	1716.10	0.30	1714.34
03/28/19	2.7	1711.70	0.81	1712.31	0.71	1710.67	1.2	1718.01	1.7	1714.80	1.6	1717.61	1.5	1716.28	0.48	1714.73
03/29/19	2.7	1711.69	0.78	1709.70	0.71	1710.63	1.2	1714.35	1.7	1714.67	1.6	1717.43	1.5	1716.30	0.49	1714.28
03/30/19	2.7	1711.76	0.78	1708.34	0.72	1710.55	1.2	1714.69	1.7	1714.48	1.6	1717.53	1.6	1716.23	0.50	1714.56
03/31/19	2.7	1711.65	0.77	1710.94	0.70	1710.60	1.1	1710.80	1.7	1714.00	1.6	1716.94	1.5	1715.88	0.42	1712.20
Monthly Average	2.6	1711.76	0.66	1712.77	0.59	1712.86	1.0	1716.56	1.5	1715.59	1.4	1718.12	1.5	1715.51	0.44	1715.63
Analytical <sup>1</sup>	Conc (mg/L)	Date	Conc <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	660	3/25/2019	1,650	3/25/2019	740	3/25/2019	110	3/25/2019	410	3/25/2019	850	3/25/2019	1,300	3/25/2019	1,800	3/25/2019
Hexavalent Chromium	0.040	3/25/2019	0.19	3/25/2019	0.38	3/25/2019	0.025	3/25/2019	0.024	3/25/2019	0.022	3/25/2019	0.030	3/25/2019	0.093	3/25/2019
Total Chromium	0.047	3/25/2019	0.23	3/25/2019	0.46	3/25/2019	0.030	3/25/2019	0.031	3/25/2019	0.031	3/25/2019	0.037	3/25/2019	0.13	3/25/2019

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 03/01, E1-2 offline briefly for motor replacement.  
 3: Duplicates taken on 03/25 for well E1-2; average of both values is presented and used for calculations.  
 4: On 03/07, E1-3 offline briefly for motor replacement.

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

