

Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																			
Date	LS #1 Flow (gpm)	PC-116R (East Well)		PC-99R2/R3 (Center Well)		PC-115R (West Well)		PC-117		PC-118		PC-119		PC-120		PC-121		PC-133	
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
01/01/19	651	172	1536.61	90	1539.78	134	1542.00	119	1537.28	81	1545.75	104	1547.58	52	1548.63	20	1549.75	10	1522.45
01/02/19	649	162	1536.59	83	1540.00	126	1541.99	111	1537.26	76	1545.74	97	1547.57	48	1548.62	18	1549.75	9.1	1522.49
01/03/19	654	170	1536.59	87	1540.33	132	1541.99	117	1537.24	80	1545.74	102	1547.58	51	1548.63	20	1549.75	10	1522.38
01/04/19	653	167	1536.57	86	1539.79	131	1541.99	116	1537.23	79	1545.74	101	1547.57	50	1548.62	20	1549.75	10	1522.35
01/05/19	651	167	1536.57	86	1540.19	130	1541.98	115	1537.21	78	1545.74	101	1547.57	50	1548.62	19	1549.75	9.7	1522.47
01/06/19	673	168	1536.59	87	1539.91	132	1542.00	116	1537.23	79	1545.76	102	1547.58	51	1548.63	20	1549.75	9.8	1522.42
01/07/19 <sup>a</sup>	595	167	1536.57	87	1540.12	130	1541.99	115	1537.21	78	1545.75	101	1547.58	50	1548.62	19	1549.74	9.8	1522.31
01/08/19	716	166	1536.67	86	1539.76	129	1542.03	115	1537.37	78	1545.77	100	1547.60	50	1548.65	19	1549.77	9.7	1522.79
01/09/19	671	165	1536.63	86	1540.17	129	1542.01	113	1537.33	77	1545.78	99	1547.59	49	1548.64	19	1549.76	10	1522.67
01/10/19	668	167	1536.62	86	1539.67	130	1542.01	116	1537.32	79	1545.77	101	1547.58	50	1548.63	19	1549.75	9.8	1522.60
01/11/19	651	169	1536.60	88	1540.18	132	1542.01	116	1537.30	79	1545.77	102	1547.58	50	1548.63	20	1549.75	11	1522.53
01/12/19	650	167	1536.58	86	1540.44	130	1542.00	115	1537.27	79	1545.76	101	1547.57	51	1548.62	19	1549.74	9.7	1522.44
01/13/19	651	168	1536.58	87	1540.09	132	1542.00	115	1537.25	79	1545.76	101	1547.56	50	1548.61	20	1549.74	9.8	1522.40
01/14/19 <sup>a</sup>	554	168	1536.57	82	1539.38	130	1542.00	115	1537.24	78	1545.77	101	1547.56	50	1548.61	19	1549.74	10	1522.29
01/15/19 <sup>a</sup>	577	167	1536.61	92	1539.87	130	1542.03	115	1537.28	79	1545.80	101	1547.60	50	1548.65	19	1549.77	10	1522.35
01/16/19	653	167	1536.64	86	1540.00	131	1542.07	115	1537.29	78	1545.84	101	1547.64	50	1548.59	19	1549.81	9.7	1522.34
01/17/19	651	164	1536.66	85	1539.83	128	1542.08	113	1537.30	77	1545.86	100	1547.66	49	1548.71	19	1549.83	9.5	1522.32
01/18/19	652	168	1536.64	87	1539.73	131	1542.06	115	1537.27	79	1545.84	101	1547.64	50	1548.69	20	1549.81	10	1522.17
01/19/19 <sup>a</sup>	604	157	1537.16	81	1540.25	121	1542.37	108	1537.80	73	1546.10	94	1547.87	48	1548.89	18	1549.98	9.0	1522.55
01/20/19 <sup>a</sup>	653	171	1536.87	89	1539.94	133	1542.19	118	1537.59	80	1545.94	103	1547.73	51	1548.78	20	1549.90	11	1523.16
01/21/19 <sup>a</sup>	576	167	1536.81	84	1540.19	131	1542.15	115	1537.52	79	1545.89	101	1547.69	50	1548.74	19	1549.86	10	1522.86
01/22/19	651	167	1536.78	87	1540.25	131	1542.09	115	1537.51	79	1545.87	101	1547.66	50	1548.72	19	1549.83	10	1522.70
01/23/19	651	164	1536.77	85	1539.83	127	1542.11	113	1537.48	77	1545.89	100	1547.66	49	1548.72	19	1549.84	9.5	1522.74
01/24/19	636	168	1536.75	87	1540.06	131	1542.10	115	1537.43	79	1545.89	101	1547.66	50	1548.71	19	1549.83	10	1522.67
01/25/19	636	167	1536.75	87	1540.04	130	1542.11	114	1537.53	78	1545.88	101	1547.66	50	1548.71	19	1549.83	9.7	1522.70
01/26/19	639	167	1536.73	86	1540.44	130	1542.09	114	1537.45	79	1545.88	101	1547.65	51	1548.70	19	1549.81	9.7	1522.64
01/27/19	639	168	1536.73	88	1540.26	132	1542.10	116	1537.42	79	1545.88	102	1547.65	50	1548.70	20	1549.82	11	1522.61
01/28/19 <sup>a</sup>	578	167	1536.72	89	1540.19	131	1542.09	115	1537.40	78	1545.89	101	1547.64	50	1548.69	19	1549.81	10	1522.52
01/29/19	636	167	1536.71	87	1539.84	131	1542.08	115	1537.38	79	1545.89	102	1547.64	50	1548.69	19	1549.80	9.7	1522.48
01/30/19	644	167	1536.71	86	1539.98	130	1542.07	115	1537.87	78	1545.87	101	1547.62	49	1548.67	19	1549.79	10	1522.46
01/31/19	637	165	1536.68	86	1540.35	129	1542.05	113	1537.35	78	1545.86	100	1547.61	49	1548.66	19	1549.78	9.6	1522.47
Monthly Average	639	167	1536.68	86	1540.03	130	1542.06	115	1537.37	78	1545.83	101	1547.62	50	1548.67	19	1549.79	10	1522.53
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		13	1/22/2019	14	1/22/2019	8.0	1/22/2019	5.9	1/22/2019	3.8	1/22/2019	0.79	1/22/2019	0.016	1/22/2019	0.020	1/22/2019	0.73	1/22/2019
Hexavalent Chromium		0.0039	1/22/2019	ND	1/22/2019	ND	1/22/2019	0.00055 J	1/22/2019	ND	1/22/2019	ND	1/22/2019	ND	1/22/2019	ND	1/22/2019	ND	1/22/2019
Total Chromium		0.0046 J	1/22/2019	ND	1/22/2019	ND	1/22/2019	0.0043 J	1/22/2019	ND	1/22/2019	ND	1/22/2019	ND	1/22/2019	ND	1/22/2019	ND	1/22/2019

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 01/07, 01/14, 01/15, 01/21 and 01/28, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: From 01/19-01/20, communication lost to LS #1 from 9:08 pm to 10:55 pm.  
 4: Duplicates taken on 01/22 for well PC-133; average of both values is presented and used for calculations.

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																	
Date	LS #3 Flow (gpm)	ART-1/1A		ART-2/2A		ART-3/3A		ART-4/4A		ART-9		ART-7A/7B		ART-8/8A		PC-150	
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)
01/01/19	397	37	1583.02	151	1581.73	18	1583.40	2.8	1579.21	61	1578.38	19	1584.05	178	1582.62	1.5	1576.32
01/02/19	397	37	1583.01	150	1581.72	17	1583.39	2.8	1579.21	62	1578.21	17	1584.05	177	1582.61	1.5	1576.32
01/03/19	396	37	1583.00	150	1581.71	18	1583.39	2.0	1579.21	62	1578.09	18	1584.05	177	1582.61	1.5	1576.32
01/04/19	397	38	1583.00	151	1581.71	17	1583.39	2.8	1579.21	61	1577.78	18	1584.02	176	1582.60	1.5	1576.32
01/05/19	397	37	1583.00	151	1581.71	18	1583.39	2.8	1579.21	62	1577.64	17	1584.00	176	1582.60	1.5	1576.32
01/06/19	397	38	1582.99	152	1581.70	18	1583.38	2.8	1579.21	62	1577.41	18	1584.02	176	1582.59	1.5	1576.32
01/07/19 <sup>2</sup>	338	37	1583.00	153	1581.71	18	1583.39	2.5	1579.21	60	1577.20	19	1584.02	179	1582.61	1.5	1576.32
01/08/19	396	38	1583.00	152	1581.72	17	1583.40	2.8	1579.21	61	1577.12	17	1584.02	177	1582.61	1.5	1576.32
01/09/19	396	38	1583.01	151	1581.72	18	1583.40	2.7	1579.21	61	1576.88	18	1584.01	177	1582.62	1.5	1576.32
01/10/19	396	38	1583.01	151	1581.72	18	1583.40	2.1	1579.21	61	1576.80	18	1584.01	176	1582.62	1.5	1576.32
01/11/19	397	37	1583.01	151	1581.72	18	1583.40	2.8	1579.21	62	1576.74	18	1583.97	176	1582.62	1.5	1576.20
01/12/19	397	38	1583.01	151	1581.72	18	1583.40	2.8	1579.21	60	1576.70	17	1583.97	176	1582.62	1.5	1576.20
01/13/19	397	38	1583.00	152	1581.72	17	1583.40	2.8	1579.21	62	1576.67	18	1584.01	176	1582.62	1.5	1576.20
01/14/19 <sup>2</sup>	281	38	1583.00	154	1581.72	15	1583.41	2.7	1579.21	59	1579.67	20	1583.99	177	1582.62	1.5	1576.20
01/15/19 <sup>2</sup>	280	37	1583.01	149	1581.73	21	1583.40	2.7	1579.21	60	1576.62	18	1584.01	179	1582.62	1.5	1576.20
01/16/19	396	37	1583.05	151	1581.78	18	1583.44	2.8	1579.21	60	1576.59	17	1583.99	176	1582.66	1.5	1576.20
01/17/19	396	38	1583.08	151	1581.81	18	1583.46	2.7	1579.22	61	1576.62	18	1583.98	177	1582.69	1.5	1576.20
01/18/19	396	38	1583.09	151	1581.82	18	1583.47	2.8	1579.21	60	1576.67	17	1583.98	177	1582.70	1.5	1576.20
01/19/19 <sup>3</sup>	370	36	1583.44	140	1582.29	17	1583.94	2.1	1579.21	57	1581.13	17	1584.19	164	1583.22	1.5	1576.20
01/20/19 <sup>3</sup>	404	38	1583.18	152	1581.90	18	1583.53	2.8	1579.21	61	1577.02	18	1584.01	181	1582.76	1.5	1576.20
01/21/19 <sup>3</sup>	304	38	1583.13	149	1581.85	16	1583.49	2.8	1579.21	59	1576.59	16	1583.98	180	1582.72	1.5	1576.20
01/22/19	400	38	1583.11	151	1581.83	18	1583.47	2.8	1579.21	61	1576.59	17	1583.94	179	1582.70	1.5	1576.19
01/23/19	398	38	1583.09	151	1581.81	18	1583.47	2.7	1579.21	60	1576.56	18	1583.94	179	1582.69	1.5	1576.20
01/24/19	398	38	1583.09	151	1581.80	18	1583.43	2.8	1579.21	60	1576.51	17	1583.94	178	1582.68	1.5	1576.20
01/25/19	400	37	1583.08	151	1581.80	18	1583.46	2.8	1579.21	60	1576.59	18	1583.94	177	1582.68	1.5	1576.30
01/26/19	400	39	1583.08	152	1581.79	18	1583.45	2.8	1579.21	60	1576.56	17	1583.94	177	1582.68	1.5	1576.30
01/27/19	399	38	1583.07	152	1581.79	18	1583.45	2.1	1579.21	60	1576.59	18	1583.92	177	1582.67	1.5	1576.30
01/28/19 <sup>4</sup>	493	38	1583.07	153	1581.79	16	1583.45	2.7	1579.21	59	1576.53	18	1583.95	177	1582.67	1.5	1576.30
01/29/19	398	38	1583.06	151	1581.78	18	1583.45	2.8	1579.21	60	1576.53	18	1583.95	177	1582.67	1.5	1576.30
01/30/19	397	38	1583.06	151	1581.77	18	1583.44	2.8	1579.21	59	1576.51	18	1583.94	177	1582.66	1.5	1576.30
01/31/19	397	38	1583.05	151	1581.77	19	1583.44	2.7	1579.21	60	1576.53	17	1583.95	177	1582.66	1.5	1576.29
Monthly Average	387	38	1583.06	151	1581.78	18	1583.44	2.7	1579.21	60	1577.16	18	1583.99	177	1582.67	1.5	1576.26
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
Perchlorate		23	1/23/2019	12	1/23/2019	190	1/23/2019	130	1/23/2019	180	1/23/2019	100	1/23/2019	89	1/23/2019	49	1/23/2019
Hexavalent Chromium		ND	1/23/2019	0.0082	1/23/2019	0.37	1/23/2019	0.18	1/23/2019	0.64	1/23/2019	0.52	1/23/2019	0.093	1/23/2019	0.039	1/23/2019
Total Chromium		ND	1/23/2019	0.0069	1/23/2019	0.37	1/23/2019	0.17	1/23/2019	0.66	1/23/2019	0.51	1/23/2019	0.097	1/23/2019	0.041	1/23/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 ND = Not detected above laboratory method detection limit (ClO<sub>2</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>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 01/07, 01/14, 01/15, 01/21 and 01/28, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: From 01/19-01/20, communication lost to LS #3 from 9:08 pm to 10:55 pm.  
 4: Duplicates taken on 01/23 for well ART-7B; average of both values is presented and used for calculations.  
 5: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 01/01-01/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow <sup>3,4,5</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation <sup>7</sup> (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>8</sup> (gpm)	Water Elevation (ft amsl)
01/01/19	0.15	1723.91	1.0	1707.20	0.41	< 1710.00	0.00	1723.64	0.00	1734.37	0.47	1709.35	3.3	1717.21	1.1	1708.46	1.2	1708.44	3.4	1708.98
01/02/19	0.14	1724.08	1.0	1707.25	0.080	1719.17	0.00	1723.59	0.00	1734.31	0.48	1709.35	3.3	1707.68	1.1	1712.70	1.2	1708.44	3.4	1708.91
01/03/19	0.13	1724.08	1.0	1707.18	0.00	1719.18	0.00	1723.61	0.00	1734.32	0.48	1709.35	3.3	1707.74	1.1	1712.77	1.2	1708.44	3.4	1708.79
01/04/19	0.13	1724.12	1.0	1707.26	0.00	1719.18	0.00	1723.63	0.00	1734.24	0.48	1709.35	3.3	1707.82	1.1	1712.56	1.2	1708.44	3.4	1709.31
01/05/19	0.13	1724.15	1.0	1707.20	0.00	1719.19	0.00	1723.65	0.00	1735.60	0.48	1709.35	3.3	1710.66	1.1	1711.32	1.2	1708.44	3.4	1709.38
01/06/19	0.13	1724.12	1.0	1707.14	0.00	1719.18	0.00	1723.63	0.00	1735.21	0.48	1709.36	3.3	1710.58	1.1	1712.62	1.2	1708.43	3.4	1709.14
01/07/19 <sup>2</sup>	0.11	1724.14	1.0	1707.12	0.00	1719.17	0.00	1723.58	0.00	1734.84	0.42	1709.36	3.3	1710.64	1.0	1712.64	1.1	1708.44	3.9	1708.78
01/08/19	0.12	1724.22	1.0	1707.18	0.00	1719.18	0.00	1723.61	0.00	1734.40	0.48	1709.35	3.3	1707.83	1.0	1714.04	1.2	1708.44	3.4	1709.34
01/09/19	0.12	1724.26	1.0	1707.23	0.00	1719.18	0.00	1723.62	0.00	1734.26	0.48	1709.36	3.3	1707.85	0.97	1713.91	1.2	1708.44	3.4	1708.83
01/10/19	0.11	1724.47	1.0	1707.24	0.02	1719.21	0.00	1723.61	0.00	1734.50	0.48	1709.36	3.3	1708.03	1.0	1712.18	1.2	1708.43	3.4	1709.22
01/11/19	0.11	1724.38	1.0	1707.13	0.00	1719.25	0.00	1723.62	0.00	1734.71	0.49	1709.36	3.3	1707.75	1.1	1711.36	1.2	1708.44	3.4	1709.15
01/12/19	0.12	1724.38	1.0	1707.25	0.00	1719.28	0.00	1723.62	0.00	1734.96	0.50	1709.37	3.3	1707.86	1.1	1711.56	1.2	1708.44	3.4	1709.48
01/13/19	0.12	1724.41	1.0	1707.10	0.00	1719.31	0.00	1723.60	0.00	1735.18	0.51	1709.38	3.3	1707.83	1.1	1711.61	1.2	1708.44	3.4	1709.32
01/14/19 <sup>2</sup>	0.13	1724.43	1.2	1707.09	0.00	1719.33	0.00	1723.62	0.00	1735.21	0.46	1709.38	3.4	1708.82	1.2	1710.76	1.2	1708.43	4.2	1709.19
01/15/19 <sup>2</sup>	0.12	1724.46	1.2	1707.13	0.00	1719.36	0.00	1723.60	0.00	1735.49	0.50	1709.37	3.3	1707.83	1.2	1710.47	1.2	1708.43	0.00	1717.66
01/16/19	0.11	1724.50	1.0	1707.12	0.00	1719.38	0.00	1723.59	0.00	1735.68	0.52	1709.39	3.3	1707.85	1.1	1710.49	1.2	1708.43	3.6	1708.77
01/17/19	0.18	1722.48	1.0	1707.21	0.00	1719.42	0.00	1723.64	0.00	1736.13	0.53	1709.38	3.3	1709.02	1.1	1710.51	1.2	1708.44	3.4	1709.11
01/18/19	0.18	1722.40	1.0	1707.16	0.00	1719.44	0.00	1723.57	0.00	1736.36	0.53	1709.37	3.4	1708.83	1.1	1711.62	1.2	1708.43	3.4	1709.16
01/19/19	0.22	1721.97	1.0	1707.10	0.00	1719.48	0.00	1723.60	0.00	1736.67	0.54	1709.37	3.4	1708.90	1.1	1711.04	1.2	1708.44	3.4	1708.76
01/20/19	0.23	1722.00	1.0	1707.19	0.00	1719.45	0.00	1723.70	0.00	1736.85	0.53	1709.38	3.4	1708.76	1.1	1711.21	1.2	1708.43	3.5	1708.77
01/21/19 <sup>2</sup>	0.00	1726.38	0.77	1707.20	0.00	1719.43	0.02	1723.80	0.03	1737.01	0.50	1709.38	3.4	1707.81	1.1	1711.18	1.2	1708.43	4.1	1709.13
01/22/19	0.00	1727.16	1.0	1707.19	0.00	1719.45	0.00	1723.77	0.00	1736.95	0.53	1709.38	3.4	1707.79	1.1	1711.20	1.2	1708.43	3.5	1708.97
01/23/19	0.00	1727.21	1.0	1707.18	0.00	1719.49	0.00	1723.79	0.00	1736.96	0.54	1709.37	3.4	1707.76	1.1	1711.17	1.2	1708.44	3.5	1708.77
01/24/19	0.00	1727.22	1.1	1707.10	0.00	1719.50	0.00	1723.79	0.00	1737.05	0.54	1709.38	3.4	1707.72	1.1	1711.12	1.2	1708.43	3.6	1708.77
01/25/19	0.00	1727.23	1.1	1707.11	0.00	1719.46	0.00	1723.78	0.00	1737.19	0.54	1709.37	3.4	1707.75	1.1	1712.74	1.2	1708.43	3.6	1708.87
01/26/19	0.00	1727.23	1.1	1707.10	0.00	1719.40	0.00	1723.76	0.00	1737.07	0.52	1709.39	3.4	1707.69	1.1	1712.62	1.2	1708.43	3.6	1708.76
01/27/19	0.00	1727.22	1.1	1707.14	0.00	1719.41	0.00	1723.80	0.00	1737.05	0.51	1709.36	3.4	1707.60	1.1	1714.13	1.2	1708.43	3.6	1708.77
01/28/19 <sup>2</sup>	0.00	1727.22	0.87	1707.17	0.00	1719.41	0.00	1723.79	0.00	1737.06	0.56	1709.37	3.4	1707.94	1.0	1714.08	1.2	1708.44	4.3	1708.77
01/29/19	0.00	1727.22	1.1	1707.18	0.00	1719.42	0.00	1723.80	0.00	1737.16	0.51	1709.39	3.4	1707.72	1.1	1713.74	1.2	1708.43	3.6	1708.77
01/30/19	0.15	1722.70	1.0	1707.10	0.00	1719.42	0.00	1723.78	0.00	1737.27	0.51	1709.37	3.4	1707.95	1.1	1714.18	1.2	1708.44	3.6	1708.77
01/31/19	0.21	1722.29	1.1	1707.16	0.00	1719.43	0.00	1723.76	0.00	1737.09	0.52	1709.37	3.4	1707.93	1.1	1713.68	1.2	1708.44	3.6	1708.90
Monthly Average	0.10	1724.71	1	1707.16	0.016	1719.04	0.00	1723.68	0.00	1735.84	0.50	1709.37	3.3	1708.55	1.1	1712.05	1.2	1708.44	3.4	1709.27
Analytical <sup>1</sup>	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	860	1/21/2019	47	1/10/2019	150	1/10/2019	240	1/21/2019	170	1/21/2019	300	1/10/2019	530	1/10/2019	500	1/10/2019	440	1/10/2019	700	1/10/2019
Hexavalent Chromium	0.50	1/21/2019	0.054	1/10/2019	0.017	1/10/2019	2.1	1/21/2019	1.3	1/21/2019	0.14	1/10/2019	2.3	1/10/2019	4.3	1/10/2019	6.0	1/10/2019	11	1/10/2019
Total Chromium	0.85	1/21/2019	0.064	1/10/2019	0.028	1/10/2019	2.3	1/21/2019	1.4	1/21/2019	0.14	1/10/2019	2.5	1/10/2019	4.4	1/10/2019	5.9	1/10/2019	11	1/10/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 1: Analytical results are reported from TestAmerica.  
 2: On 01/07, 01/14, 01/15, 01/21 and 01/28, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 01/18, I-AR offline from 10:13 am to 11:07 am due to maintenance.  
 4: On 01/21, I-AR turned offline as directed by the Trust.  
 5: On 01/30, I-AR turned online as directed by the Trust.  
 6: On 01/02, I-AB offline at 3:37 am.  
 7: 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.  
 8: On 01/15, I-F offline intermittently due to instrument error.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	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>9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>10</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>11</sup> (gpm)	Water Elevation (ft amsl)
01/01/19	0.13	1711.25	0.94	1709.28	5.0	1720.98	6.1	1712.02	3.5	1709.72	1.1	1712.91	2.2	1716.47	2.6	1712.81	1.4	1715.12	1.8	1709.53
01/02/19	0.13	1711.26	0.94	1709.28	5.0	1720.94	6.1	1712.03	3.5	1710.17	1.1	1712.65	2.2	1716.46	2.6	1712.75	1.3	1715.14	1.8	1709.46
01/03/19	0.13	1711.25	0.94	1709.27	5.0	1720.97	6.1	1712.03	3.4	1710.13	1.2	1711.38	2.1	1716.65	2.5	1713.76	1.3	1715.63	1.8	1709.59
01/04/19	0.13	1711.25	0.94	1709.28	5.0	1720.97	6.1	1712.03	3.5	1709.70	1.3	1711.37	2.1	1716.61	2.5	1713.85	1.4	1715.89	1.8	1709.59
01/05/19	0.13	1711.26	0.94	1709.29	5.0	1720.98	6.1	1712.03	3.5	1709.58	1.2	1711.54	2.1	1716.60	2.5	1713.99	1.3	1716.35	1.8	1709.60
01/06/19	0.13	1711.26	0.94	1709.30	4.9	1720.97	6.1	1712.02	3.5	1709.30	1.2	1711.47	2.1	1716.60	2.5	1714.13	1.4	1715.13	1.8	1709.60
01/07/19 <sup>2</sup>	0.22	1711.26	0.88	1709.30	5.0	1720.94	6.2	1712.02	4.5	1709.15	1.2	1711.49	2.1	1716.61	2.5	1714.12	1.3	1715.12	1.8	1709.58
01/08/19	0.13	1711.26	0.94	1709.29	5.0	1720.96	6.1	1712.02	3.5	1709.37	1.2	1711.67	2.1	1716.66	2.5	1714.01	1.3	1715.12	1.8	1709.59
01/09/19	0.12	1712.00	0.94	1709.24	5.0	1720.96	6.1	1712.02	3.5	1709.32	1.2	1711.76	2.1	1716.70	2.5	1714.04	1.4	1715.12	1.8	1709.58
01/10/19	0.12	1711.27	0.94	1709.24	4.9	1720.99	6.0	1712.02	3.4	1710.40	1.2	1711.84	2.1	1716.69	2.5	1714.45	1.4	1716.90	1.8	1709.62
01/11/19	0.13	1711.27	0.94	1709.24	5.0	1720.97	6.1	1712.02	3.5	1710.07	1.2	1711.98	2.1	1716.67	2.4	1715.00	1.4	1715.12	1.8	1709.59
01/12/19	0.13	1711.27	0.94	1709.24	4.9	1720.97	6.1	1712.02	3.5	1709.86	1.2	1712.28	2.1	1716.66	2.5	1712.80	1.3	1715.12	1.8	1709.60
01/13/19	0.13	1711.27	0.93	1709.24	5.0	1720.95	6.1	1712.01	3.5	1709.39	1.2	1712.58	2.1	1716.63	2.7	1712.87	1.3	1715.12	1.8	1709.60
01/14/19 <sup>2</sup>	0.23	1711.27	1.0	1709.24	5.0	1720.95	6.3	1712.01	4.5	1709.15	1.2	1712.95	2.1	1716.65	2.6	1713.29	1.4	1715.12	1.7	1709.59
01/15/19 <sup>2</sup>	0.23	1711.27	0.91	1709.24	5.0	1720.95	5.9	1712.01	4.6	1709.14	1.2	1712.99	2.1	1716.65	2.7	1712.72	1.4	1715.12	1.7	1709.60
01/16/19	0.13	1711.27	0.93	1709.24	5.0	1720.95	6.1	1712.01	3.5	1710.41	1.2	1713.04	2.1	1716.69	2.6	1713.26	1.4	1715.12	1.8	1709.60
01/17/19	0.13	1711.27	0.94	1709.24	5.0	1720.97	6.1	1712.02	3.5	1709.90	1.2	1713.41	2.1	1716.71	2.5	1713.53	1.4	1716.03	1.8	1709.60
01/18/19	0.13	1711.27	0.94	1709.24	5.0	1720.93	6.1	1712.01	3.5	1710.14	1.1	1715.22	2.1	1716.71	2.5	1713.89	1.4	1715.13	1.8	1709.59
01/19/19	0.13	1711.27	0.94	1709.23	5.1	1720.95	6.1	1712.01	3.5	1709.43	0.98	1712.96	2.1	1716.78	2.4	1715.21	1.3	1715.12	1.8	1709.60
01/20/19	0.13	1711.28	0.94	1709.24	5.1	1721.01	6.1	1712.02	3.5	1709.64	1.2	1712.79	2.1	1716.82	2.3	1715.32	1.4	1717.85	1.5	1709.83
01/21/19 <sup>2</sup>	0.23	1711.27	0.92	1709.24	5.0	1720.97	5.9	1711.98	3.5	1709.73	1.2	1712.84	2.1	1716.88	2.3	1715.56	1.4	1715.12	1.9	1709.58
01/22/19	0.12	1711.26	0.93	1709.23	5.1	1720.93	6.1	1711.99	3.5	1709.39	1.2	1713.49	2.0	1716.94	2.3	1715.95	1.4	1715.19	1.8	1709.58
01/23/19	0.12	1711.27	0.93	1709.24	5.0	1720.95	6.1	1712.00	3.5	1710.07	1.1	1713.84	2.0	1717.00	2.3	1715.96	1.4	1715.13	1.8	1709.58
01/24/19	0.12	1711.27	0.94	1709.24	5.0	1720.95	6.1	1712.00	3.5	1709.39	1.1	1713.72	2.0	1717.05	2.3	1715.99	1.4	1715.14	1.8	1709.58
01/25/19	0.12	1711.27	0.95	1709.24	5.1	1720.97	6.1	1712.01	3.5	1709.31	1.2	1713.96	2.1	1716.53	2.3	1713.98	1.4	1717.55	1.4	1718.76
01/26/19	0.13	1711.27	0.97	1709.24	5.2	1720.98	6.1	1712.01	3.5	1710.30	1.2	1713.41	2.2	1716.51	2.6	1714.04	1.5	1718.25	1.4	1718.93
01/27/19	0.12	1711.27	0.99	1709.24	5.2	1721.02	6.1	1712.02	3.5	1710.41	1.2	1713.70	2.2	1716.58	2.6	1714.29	1.5	1719.21	1.3	1719.01
01/28/19 <sup>2</sup>	0.23	1711.27	1.0	1709.24	5.1	1721.04	6.3	1712.02	3.1	1710.29	1.2	1713.41	2.2	1716.63	2.5	1714.43	1.5	1719.58	1.3	1719.07
01/29/19	0.13	1711.27	1.0	1709.24	5.1	1721.05	6.1	1712.02	3.5	1709.30	1.1	1713.55	2.2	1716.69	2.5	1714.55	1.5	1719.73	1.3	1719.13
01/30/19	0.13	1711.27	1.0	1709.25	5.1	1721.05	6.1	1712.02	3.5	1709.42	1.1	1713.76	2.1	1716.69	2.5	1714.64	1.5	1719.82	1.3	1719.20
01/31/19	0.13	1711.27	1.0	1709.24	5.0	1721.06	6.1	1712.02	3.5	1709.66	1.1	1713.60	2.1	1716.73	2.5	1714.84	1.4	1719.92	1.3	1719.22
Monthly Average	0.14	1711.29	0.95	1709.25	5.0	1720.98	6.1	1712.02	3.6	1709.72	1	1712.82	2.1	1716.69	2.5	1714.19	1.4	1716.29	1.7	1711.73
Analytical <sup>1</sup>	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	1,200	1/9/2019	1,200	1/9/2019	780	1/21/2019	320	1/21/2019	260	1/21/2019	310	1/10/2019	640	1/10/2019	510	1/10/2019	810	1/9/2019	950	1/9/2019
Hexavalent Chromium	18	1/9/2019	14	1/9/2019	9.3	1/21/2019	3.8	1/21/2019	2.2	1/21/2019	1.0	1/10/2019	5.6	1/10/2019	6.0	1/10/2019	15	1/9/2019	14	1/9/2019
Total Chromium	24	1/9/2019	15	1/9/2019	9.4	1/21/2019	4.0	1/21/2019	2.3	1/21/2019	1.1	1/10/2019	5.8	1/10/2019	6.2	1/10/2019	16	1/9/2019	15	1/9/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 1: Analytical results are reported from TestAmerica.  
 2: On 01/07, 01/14, 01/15, 01/21 and 01/28, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 9: On 01/26, I-M, I-N, and I-R adjusted to meet flow target as directed by the Trust.  
 10: On 01/14, I-N adjusted to meet flow target as directed by the Trust.  
 11: On 01/25, I-P offline from 7:36 am to 9:42 am due to maintenance.

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																		
Date	I-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Z	
	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation <sup>7</sup> (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation <sup>7</sup> (ft amsl)
01/01/19	0.41	1714.52	1.3	1712.18	1.9	1705.71	0.44	1707.76	0.69	1710.46	4.3	1717.77	0.68	1705.15	3.1	1698.27	1.3	1713.99
01/02/19	0.41	1714.52	1.3	1712.32	1.9	1705.76	0.44	1707.76	0.70	1710.14	4.3	1717.68	0.68	1700.44	3.1	1698.27	1.3	1700.03
01/03/19	0.41	1714.52	1.2	1712.35	1.9	1705.73	0.44	1707.76	0.70	1709.93	4.2	1717.78	0.68	1700.42	3.1	1698.36	1.3	1700.07
01/04/19	0.41	1714.52	1.2	1712.25	1.9	1705.74	0.44	1707.76	0.71	1709.93	4.2	1717.77	0.68	1700.55	3.1	1698.28	1.3	1700.21
01/05/19	0.41	1714.52	1.3	1712.16	1.9	1705.92	0.45	1707.76	0.70	1710.56	4.2	1717.79	0.68	1702.09	3.1	1698.32	1.3	1707.39
01/06/19	0.41	1714.53	1.3	1712.06	1.9	1705.82	0.44	1707.77	0.70	1710.43	4.2	1717.76	0.68	1701.95	3.1	1698.41	1.3	1707.15
01/07/19 <sup>2</sup>	0.34	1714.53	1.3	1712.03	2.2	1705.71	0.42	1707.76	0.69	1710.26	4.3	1717.69	0.67	1708.06	2.7	1698.27	1.2	1707.33
01/08/19	0.41	1714.53	1.3	1712.03	1.9	1705.84	0.44	1707.76	0.69	1710.49	4.3	1717.71	0.68	1700.43	3.1	1698.35	1.3	1701.16
01/09/19	0.41	1714.52	1.3	1712.11	1.9	1705.76	0.44	1707.86	0.71	1710.12	4.3	1717.72	0.68	1700.27	3.1	1698.30	1.3	1701.18
01/10/19	0.41	1714.53	1.2	1713.34	1.9	1705.79	0.44	1707.87	0.73	1708.55	4.1	1717.82	0.66	1705.82	3.1	1698.41	1.3	1701.88
01/11/19	0.41	1714.53	1.1	1714.90	1.9	1705.88	0.44	1707.87	0.77	1709.03	4.2	1717.75	0.68	1700.89	3.2	1698.28	1.3	1701.55
01/12/19	0.41	1714.53	0.94	1715.89	1.9	1705.70	0.44	1707.88	0.75	1709.14	4.2	1717.74	0.67	1700.36	3.2	1698.36	1.4	1701.30
01/13/19	0.41	1714.53	0.84	1716.31	1.9	1705.93	0.44	1707.88	0.74	1709.39	4.2	1717.72	0.67	1700.50	3.1	1698.29	1.4	1701.36
01/14/19 <sup>2</sup>	0.41	1714.53	0.74	1716.58	2.0	1705.82	0.44	1707.88	0.72	1709.81	4.3	1717.71	0.69	1700.21	3.9	1698.27	1.4	1700.44
01/15/19 <sup>2</sup>	0.41	1714.53	0.70	1716.89	2.1	1705.69	0.44	1707.88	0.72	1709.99	4.3	1717.71	0.69	1700.33	2.7	1698.29	1.4	1700.37
01/16/19	0.42	1714.53	0.67	1717.14	2.0	1705.75	0.44	1707.88	0.71	1710.21	4.3	1717.70	0.68	1700.32	3.2	1698.32	1.4	1700.36
01/17/19	0.42	1714.53	0.57	1717.69	2.0	1705.74	0.44	1707.88	0.70	1710.66	4.3	1717.75	0.68	1700.20	3.1	1698.38	1.4	1700.46
01/18/19	0.41	1714.53	0.50	1718.14	2.0	1705.82	0.44	1707.88	0.68	1710.55	4.2	1717.66	0.67	1700.23	3.1	1698.27	1.4	1700.42
01/19/19	0.41	1714.52	0.45	1717.26	2.0	1705.78	0.44	1707.88	0.68	1710.62	4.2	1717.69	0.67	1700.09	3.1	1698.36	1.4	1701.03
01/20/19	0.42	1714.53	0.70	1717.03	2.0	1705.76	0.45	1707.89	0.68	1710.81	4.2	1717.84	0.68	1700.11	3.2	1698.31	1.4	1700.86
01/21/19 <sup>2</sup>	0.42	1714.52	0.72	1717.02	2.1	1705.71	0.46	1707.88	0.70	1710.18	4.2	1717.74	0.66	1700.02	2.7	1698.32	1.4	1701.06
01/22/19	0.41	1714.52	0.65	1717.46	2.0	1705.86	0.44	1707.90	0.70	1710.29	4.3	1717.64	0.67	1700.05	3.2	1698.42	1.4	1700.90
01/23/19	0.38	1714.52	0.57	1717.91	2.0	1705.97	0.44	1707.89	0.70	1710.44	4.3	1717.70	0.67	1700.13	3.2	1698.40	1.4	1700.87
01/24/19	0.38	1714.52	0.56	1717.68	2.0	1705.77	0.44	1707.88	0.69	1710.52	4.2	1717.70	0.67	1700.15	3.2	1698.36	1.4	1701.03
01/25/19	0.38	1714.53	0.69	1714.96	2.0	1705.76	0.44	1707.90	0.69	1710.57	4.2	1717.78	0.69	1700.53	3.2	1698.45	1.4	1700.06
01/26/19	0.39	1714.53	1.1	1714.72	2.0	1705.77	0.44	1707.89	0.69	1710.69	4.2	1717.81	0.70	1700.55	3.2	1698.38	1.4	1699.93
01/27/19	0.40	1714.53	1.1	1714.83	2.0	1705.80	0.45	1707.90	0.68	1710.82	4.2	1717.92	0.71	1700.48	3.2	1698.33	1.4	1700.17
01/28/19 <sup>2</sup>	0.40	1714.53	1.1	1715.05	2.0	1705.79	0.44	1707.91	0.68	1710.85	4.3	1717.96	0.70	1700.52	4.0	1698.32	1.4	1700.16
01/29/19	0.39	1714.53	1.1	1715.05	2.0	1705.78	0.45	1707.92	0.65	1711.94	4.3	1718.01	0.72	1700.56	3.2	1698.36	1.4	1700.01
01/30/19	0.39	1714.53	1.1	1715.11	2.0	1705.82	0.45	1707.92	0.63	1711.95	4.3	1718.01	0.72	1700.46	3.2	1698.29	1.4	1700.14
01/31/19	0.39	1714.53	1.0	1715.21	2.0	1705.79	0.45	1707.92	0.63	1712.00	4.2	1718.03	0.73	1700.41	3.2	1698.30	1.4	1700.46
Monthly Average	0.40	1714.53	0.94	1715.02	2.0	1705.79	0.44	1707.86	0.70	1710.37	4.2	1717.78	0.68	1701.04	3.2	1698.33	1.4	1701.72
Analytical <sup>1</sup>	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	770	1/9/2019	770	1/10/2019	490	1/10/2019	1,400	1/9/2019	1,500	1/9/2019	860	1/21/2019	790	1/9/2019	840	1/10/2019	730	1/10/2019
Hexavalent Chromium	14	1/9/2019	0.58	1/10/2019	1.4	1/10/2019	17	1/9/2019	17	1/9/2019	12	1/21/2019	14	1/9/2019	8.6	1/10/2019	0.91	1/10/2019
Total Chromium	15	1/9/2019	0.61	1/10/2019	1.5	1/10/2019	18	1/9/2019	18	1/9/2019	13	1/21/2019	15	1/9/2019	8.7	1/10/2019	0.95	1/10/2019

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 1: Analytical results are reported from TestAmerica.  
 2: On 01/07, 01/14, 01/15, 01/21 and 01/28, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 7: 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.  
 9: On 01/26, I-M, I-N, and I-R adjusted to meet flow target as directed by the Trust.  
 12: Duplicates taken on 01/10 for well I-X; average of both values is presented and used for calculations.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent <sup>1</sup>				GW-11 Influent <sup>1</sup>				FBR Plant Influent <sup>1</sup>						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>2</sup> (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>2</sup> <sup>6</sup> (gpm)	TA - ClO <sub>2</sub> (mg/L)	ETI - ClO <sub>2</sub> (mg/L)	TA - ClO <sub>2</sub> (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
01/01/19	959	56				0.00				1,014		286				
01/02/19	959	56				0.00				1,054		245				
01/03/19	963	57	0.25	ND	640	0.00				1,088		249		9.8	0.47	0.46
01/04/19	961	56				0.00				1,030		247				
01/05/19	960	56				0.00				1,024	240	260				
01/06/19	979	56				0.00				1,035		255				
01/07/19 <sup>3</sup>	1,061	56				0.00				1,117		247	140	11	0.019	0.017
01/08/19	1,012	56				0.00				1,068		269				
01/09/19	983	56	0.36	ND	570	0.00				1,042		237				
01/10/19	970	55				0.00				1,050		230				
01/11/19	957	56				0.00				1,066		250				
01/12/19	956	56				0.00				1,062	260	241				
01/13/19	957	56				0.00				1,069		241				
01/14/19 <sup>3</sup>	960	56				0.00				1,035		246				
01/15/19 <sup>3</sup>	1,001	56				0.00				1,056		234				
01/16/19	957	56	0.28	ND	610	0.00				1,013		238				
01/17/19	958	56				0.00				1,014		273				
01/18/19	959	56				0.00				1,015		237				
01/19/19 <sup>4</sup>	888	56				0.00				978	240	233				
01/20/19 <sup>4</sup>	970	56				0.00				1,307		262				
01/21/19 <sup>3</sup>	1,063	57				0.00				1,242		246		11	0.034	0.026
01/22/19	961	56				5.0	0.091	0.0080	75	1,059		229				
01/23/19	970	55	0.53	ND	640	0.00				1,034		245				
01/24/19	960	56				0.00				1,055		246				
01/25/19	958	56				0.00				1,177		235				
01/26/19	959	56				0.00				1,142	250	239				
01/27/19	959	56				0.00				1,079		240				
01/28/19 <sup>3</sup>	846	56				0.00				1,014		245		8.2	0.079	0.04
01/29/19	959	56				0.00				1,099		243				
01/30/19	967	56	0.86	0.00029 J	800	0.00				1,029		255				
01/31/19	958	56				0.00				1,014		264				
Monthly Average <sup>2</sup>	965	56	0.44	0.000047	643	0.16	0.091	0.0080	75	1,067	247	247	140	10	0.099	0.084

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.  
 ND = Not detected above laboratory method detection limit (ClO<sub>2</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>3</sub>-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).

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

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

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

3: On 01/07, 01/14, 01/15, 01/21 and 01/28, the LS #2 totalizers was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: From 01/19-01/20, communication lost to LS #2 from 9:08 pm to 10:55 pm.

5: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 01/01 to 01/31 due to FBR plant influent strainers clogging, except for monthly sampling.

6: From 01/01 to 01/31, 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>7</sup>			2nd Stage FBR <sup>7</sup>			FBR Plant Effluent <sup>1</sup>							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow <sup>8</sup> (gpm)	TA - ClO <sub>2</sub> (mg/L)	ETI - ClO <sub>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)
01/01/19	1,140	6.3	-371	960	6.4	-353	963		ND					4
01/02/19	1,127	6.3	-337	949	6.4	-359	1,100		ND					17
01/03/19	1,130	6.4	-336	993	6.5	-360	1,070		ND		0.045	ND	ND	5
01/04/19	1,114	6.4	-354	978	6.5	-366	1,047		ND					5
01/05/19	907	6.4	-384	869	6.6	-370	1,081	ND	ND					7
01/06/19	1,071	6.7	-376	926	6.8	-378	1,051		ND					9
01/07/19	1,050	6.6	-290	929	6.7	-361	1,045		ND	ND	0.0099	ND	ND	3
01/08/19	1,101	6.5	-358	920	6.7	-361	941		ND					12
01/09/19	1,133	6.6	-375	913	6.7	-370	1,088		ND					3
01/10/19	1,145	6.5	-379	953	6.7	-369	1,113		ND					3
01/11/19	1,128	6.6	-383	932	6.7	-371	1,118		ND					3
01/12/19	1,131	6.6	-383	989	6.7	-373	1,108	ND	ND					3
01/13/19	1,125	6.6	-368	904	6.8	-374	1,113		ND					4
01/14/19	1,101	6.5	-375	901	6.8	-376	1,082		ND		0.0053	ND	ND	8
01/15/19	1,095	6.5	-382	865	6.8	-378	1,066		ND					3
01/16/19	1,080	6.6	-380	951	6.8	-382	1,067		ND					3
01/17/19	1,097	6.7	-382	960	6.9	-380	1,037		ND					3
01/18/19	1,140	6.5	-388	964	8.9	-381	1,062		ND					3
01/19/19	1,131	6.5	-334	984	9.0	-380	1,032	ND	ND					3
01/20/19	1,150	6.9	-394	950	9.3	-381	1,118		ND					3
01/21/19	1,140	6.6	-367	991	9.1	-385	1,113		ND		0.011	ND	ND	3
01/22/19	1,124	6.4	-388	990	8.4	-384	1,111		ND					3
01/23/19	1,095	6.4	-357	937	8.5	-381	1,082		ND					3
01/24/19	1,148	6.6	-323	903	6.7	-371	1,107		ND					3
01/25/19	1,147	6.6	-355	996	6.9	-371	1,112		ND					3
01/26/19	1,138	6.9	-362	1,017	6.9	-371	1,111	ND	ND					3
01/27/19	1,121	6.6	-371	953	6.7	-376	1,112		ND					2
01/28/19	1,134	6.8	-384	979	6.9	-380	1,114		ND		0.0069	ND	ND	2
01/29/19	1,119	6.7	-340	994	6.8	-380	1,112		ND					2
01/30/19	1,056	6.6	-366	917	6.6	-376	952		ND					2
01/31/19	1,088	6.6	-366	970	6.7	-372	1,014		ND					3
Monthly Average <sup>2</sup>	1,110	6.6	-365	950	7.1	-373	1,072	ND	ND	ND	0.012	ND	ND	4

Notes:

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

ND = Not detected above laboratory method detection limit (ClO<sub>2</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>3</sub>-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).

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

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

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

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

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

GW-11 Level Monitoring		
Date	Field Measurement (ft)	Volume (MG)
01/15/19	29.5	37.2
01/31/19	29.5	37.2

GW-11 Leak Detection Monitoring				
Date	Amount Pumped <sup>1</sup> (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
01/16/19	0	2,190	1,033	0
01/30/19	0	1,010	681	0

GW-11 Composite Sample <sup>2</sup>		
Analytes	Concentration	Units
Perchlorate	5.7	mg/L
Chlorate	8.2	mg/L
Ammonia as N	0.40	mg/L
Total Phosphorus	1.5	mg/L
Total Dissolved Solids (TDS)	11,000	mg/L
Total Suspended Solids (TSS)	86	mg/L
pH	8.4 HF	s.u.
Calcium	530 B	mg/L
Iron	5.2	mg/L
Chromium (total)	0.99	mg/L
Chromium VI	ND	mg/L
Chloride	3,400	mg/L
Nitrate as N	ND	mg/L
Sulfate	3,000	mg/L

## Notes:

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

B = Compound was found in the blank and sample.

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: November 6, 2018.



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)		
Feb 2018	1,057	269	13	150	1,090	973
Mar 2018	1,094	168	13	130	836	978
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	10	130	979	771
Dec 2018	1,046	262	10	140	1,009	811
Jan 2019	1,067	247	10	140	991	861

## 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.

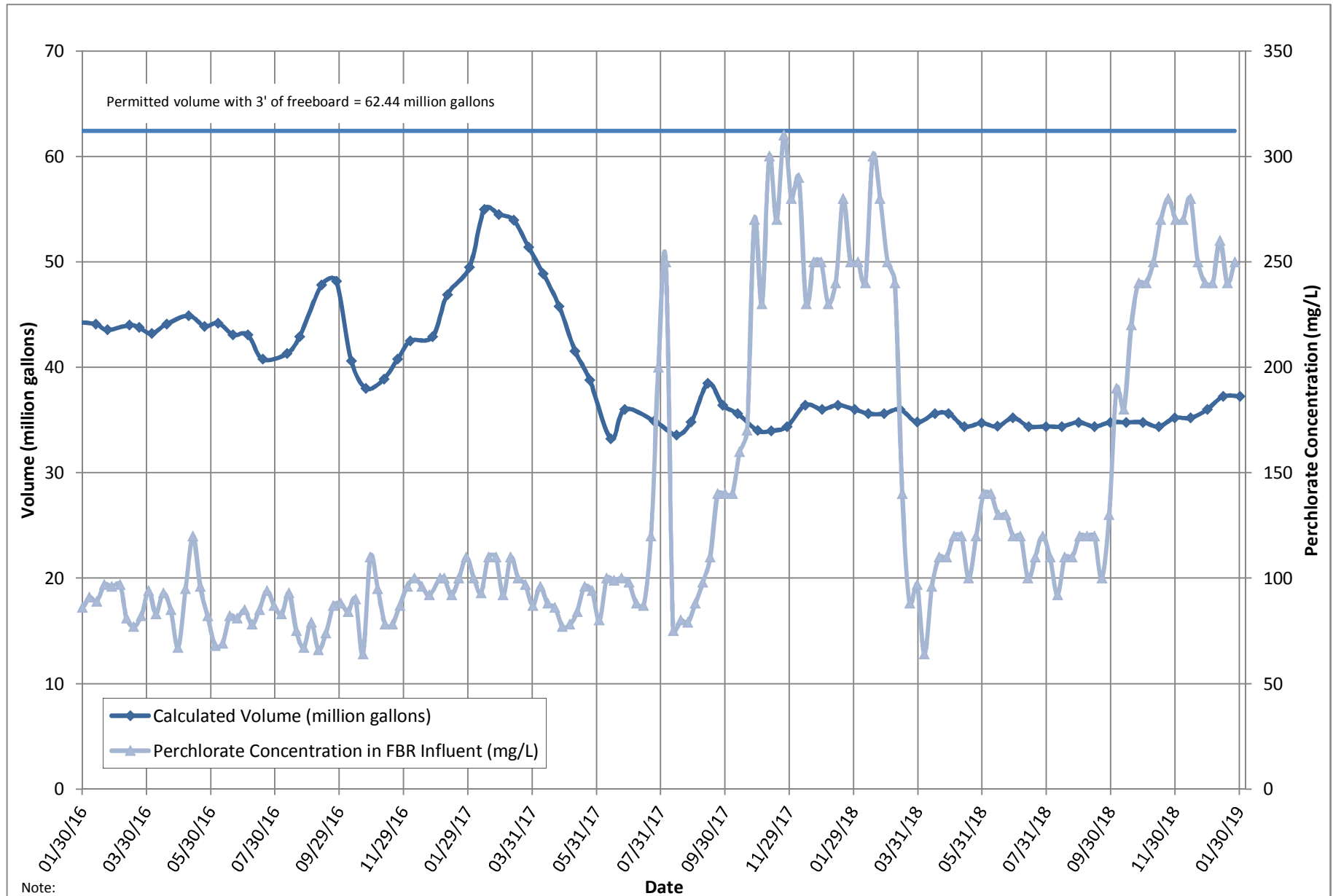
2: Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased on March 13, 2018 to prepare 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  $[(0.9 \times \text{NO}_3 \text{ as N} + 0.17 \times \text{ClO}_3 + 0.18 \times \text{ClO}_4) \times \text{Flow} \times 1440 / 1000000 \times 8.34]$ .

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)
01/01/19	2.0	1716.62	0.80	1712.35	0.70	1713.00	0.70	1717.98	1.2	1718.69	0.94	1719.12	1.2	1717.93	0.41	1721.88
01/02/19	2.1	1716.58	0.82	1709.47	0.71	1713.22	0.87	1718.30	1.3	1717.57	1.2	1722.75	1.3	1718.78	0.41	1715.07
01/03/19	2.1	1714.45	0.77	1710.45	0.69	1713.20	0.85	1715.81	1.2	1716.11	1.1	1720.95	1.2	1717.21	0.40	1714.41
01/04/19	2.3	1712.69	0.82	1709.74	0.74	1713.46	0.86	1716.20	1.3	1716.50	1.1	1720.01	1.3	1717.63	0.40	1715.81
01/05/19	2.2	1712.75	0.80	1709.83	0.71	1713.50	0.84	1716.10	1.2	1716.40	1.4	1719.31	1.2	1717.80	0.41	1715.56
01/06/19	2.2	1712.57	0.81	1709.76	0.71	1713.39	0.90	1716.07	1.3	1716.37	1.4	1717.90	1.2	1718.05	0.44	1715.72
01/07/19	2.2	1712.97	0.81	1709.85	0.72	1713.37	0.89	1715.92	1.2	1716.22	1.4	1719.40	1.2	1717.91	0.40	1712.68
01/08/19	2.2	1712.40	0.80	1709.82	0.71	1713.34	0.89	1715.98	1.3	1716.28	1.4	1719.90	1.2	1717.76	0.40	1715.43
01/09/19	2.1	1712.43	0.81	1709.78	0.67	1713.32	0.90	1715.95	1.2	1716.25	1.4	1718.21	1.3	1717.44	0.36	1715.45
01/10/19	2.2	1712.63	0.80	1710.12	0.71	1713.52	0.86	1717.84	1.4	1716.77	0.98	1724.04	1.2	1719.06	0.42	1719.47
01/11/19	2.1	1714.32	0.79	1712.13	0.70	1714.00	0.85	1714.50	1.4	1715.82	0.97	1720.32	1.2	1717.93	0.41	1714.79
01/12/19	2.2	1713.26	0.79	1711.61	0.70	1713.74	0.82	1714.36	1.4	1715.50	1.3	1721.79	1.2	1717.59	0.40	1715.25
01/13/19	2.2	1712.86	0.82	1711.55	0.70	1713.67	0.79	1714.27	1.4	1714.20	1.5	1720.24	1.2	1717.71	0.40	1715.19
01/14/19	2.2	1713.92	0.79	1713.18	0.69	1713.19	0.80	1714.41	1.4	1713.64	1.4	1720.89	1.2	1718.26	0.39	1715.21
01/15/19	2.2	1714.03	0.89	1713.12	0.89	1713.41	0.84	1716.98	1.3	1714.32	1.5	1719.65	1.3	1718.27	0.50	1715.32
01/16/19	2.1	1714.01	0.83	1713.16	0.76	1713.31	0.78	1716.97	1.2	1714.36	1.1	1719.04	1.3	1718.20	0.46	1715.42
01/17/19	2.2	1714.15	0.58	1713.18	0.32	1713.17	0.54	1716.93	1.1	1714.19	1.4	1719.00	1.1	1718.17	0.20	1715.50
01/18/19	2.2	1715.31	0.80	1713.56	0.67	1713.50	0.71	1718.82	1.2	1713.76	1.3	1719.90	1.3	1717.37	0.41	1715.67
01/19/19	2.2	1713.17	0.81	1713.12	0.67	1714.20	0.68	1716.99	1.3	1717.38	1.2	1719.57	1.3	1716.67	0.42	1715.89
01/20/19	2.2	1713.09	0.82	1713.74	0.69	1713.74	0.70	1717.11	1.3	1715.31	1.2	1719.25	1.3	1717.09	0.41	1715.82
01/21/19	2.1	1712.90	0.83	1709.46	0.68	1713.42	0.76	1717.64	1.3	1716.82	1.3	1721.45	1.3	1717.79	0.41	1714.57
01/22/19	2.1	1712.67	0.78	1709.82	0.65	1713.31	0.65	1717.62	1.2	1716.98	1.2	1721.21	1.4	1717.70	0.44	1715.14
01/23/19	2.0	1712.87	0.82	1709.88	0.68	1713.34	0.69	1717.64	1.2	1717.04	1.2	1721.47	1.3	1717.65	0.42	1715.11
01/24/19	2.1	1712.84	0.82	1709.90	0.70	1713.44	0.70	1717.33	1.3	1717.21	1.3	1721.51	1.3	1717.71	0.45	1715.08
01/25/19	2.5	1712.68	0.96	1710.36	0.84	1713.84	0.95	1717.11	1.4	1716.42	1.6	1718.53	1.2	1717.55	0.31	1715.67
01/26/19	2.1	1714.31	0.83	1711.10	0.73	1712.74	0.72	1717.96	1.3	1716.44	1.4	1720.18	1.3	1717.13	0.42	1715.41
01/27/19	2.1	1713.38	0.83	1709.54	0.71	1712.62	0.70	1717.11	1.3	1716.47	1.5	1720.55	1.3	1717.23	0.41	1715.95
01/28/19	2.2	1713.57	0.84	1710.31	0.68	1714.16	0.74	1719.12	1.2	1716.88	1.4	1719.11	1.3	1717.21	0.37	1715.22
01/29/19	2.2	1713.63	0.82	1710.34	0.67	1714.21	0.78	1718.11	1.4	1716.89	1.3	1719.01	1.3	1717.24	0.40	1715.21
01/30/19	2.1	1713.64	0.72	1710.32	0.91	1714.24	1.1	1718.09	1.3	1716.92	1.9	1717.35	1.3	1717.25	0.47	1715.23
01/31/19	2.1	1713.42	0.36	1710.55	0.73	1714.31	0.91	1716.92	1.4	1716.68	1.5	1718.92	1.4	1717.21	0.39	1715.82
Monthly Average	2.2	1713.55	0.79	1711.01	0.70	1713.51	0.80	1716.84	1.3	1716.14	1.3	1720.02	1.3	1717.70	0.40	1715.61
Analytical <sup>1</sup>	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	630	1/28/2019	1,700	1/28/2019	770	1/28/2019	110	1/28/2019	430	1/28/2019	930	1/28/2019	1,300	1/28/2019	1,800	1/28/2019
Hexavalent Chromium	0.041	1/28/2019	0.19 H	1/28/2019	0.44 H	1/28/2019	0.027	1/28/2019	0.026	1/28/2019	0.024	1/28/2019	0.031	1/28/2019	0.13	1/28/2019
Total Chromium	0.045	1/28/2019	0.21	1/28/2019	0.43	1/28/2019	0.032	1/28/2019	0.030	1/28/2019	0.028	1/28/2019	0.035	1/28/2019	0.14	1/28/2019

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.  
 H = Sample was prepped or analyzed beyond the specified holding time.  
 1: Analytical results are reported from TestAmerica.  
 2: Duplicates taken on 01/28 for well E2-3; average of both values is presented and used for calculations.

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



Note:

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

