

Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																			
Date	LS #1 Flow ³ (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 ⁴ (gpm)	Water Elevation (ft amsl)
05/01/18	647	168	1536.25	91	1539.57	131	1541.82	117	1536.89	60	1546.19	101	1547.20	52	1548.40	19	1549.48	9.8	1523.90
05/02/18	657	169	1536.21	91	1539.51	131	1541.81	117	1536.85	60	1546.16	103	1547.18	51	1548.38	20	1549.46	11	1524.02
05/03/18	642	167	1536.18	91	1539.73	131	1541.79	116	1536.81	60	1546.14	101	1547.17	51	1548.36	19	1549.44	9.7	1523.94
05/04/18	644	167	1536.16	90	1539.48	130	1541.77	116	1536.80	60	1546.14	101	1547.15	51	1548.35	19	1549.43	9.7	1523.85
05/05/18	644	167	1536.13	91	1539.25	130	1541.75	116	1536.75	59	1546.12	101	1547.14	51	1548.33	19	1549.42	9.7	1523.79
05/06/18	644	169	1536.10	91	1539.33	131	1541.73	117	1536.73	60	1546.10	103	1547.12	51	1548.31	20	1549.40	9.8	1523.89
05/07/18 ²	561	167	1536.06	89	1538.98	130	1541.70	116	1536.69	59	1546.07	102	1547.09	51	1548.29	19	1549.37	9.3	1523.71
05/08/18	643	161	1536.04	87	1539.48	126	1541.69	112	1536.68	57	1546.06	98	1547.07	50	1548.27	19	1549.35	9.1	1523.83
05/09/18	656	174	1535.38	95	1539.09	134	1541.70	120	1536.81	62	1546.05	105	1547.17	53	1548.25	20	1549.33	7.7	1524.22
05/10/18	649	166	1535.32	90	1539.37	129	1541.67	114	1536.74	59	1546.02	101	1547.15	50	1548.22	19	1549.31	9.6	1524.13
05/11/18	649	167	1535.26	91	1538.90	130	1541.63	116	1536.68	60	1545.99	101	1547.11	51	1548.19	19	1549.28	9.7	1524.19
05/12/18	649	167	1535.24	90	1538.94	131	1541.61	116	1536.65	59	1545.98	101	1547.09	51	1548.17	19	1549.26	9.7	1524.11
05/13/18	748	165	1535.21	89	1539.42	128	1541.59	114	1536.62	58	1545.95	100	1547.07	50	1548.15	19	1549.23	9.6	1523.94
05/14/18 ²	576	167	1535.19	94	1538.94	130	1541.57	116	1536.60	59	1545.93	102	1547.05	51	1548.13	19	1549.21	9.7	1524.18
05/15/18	650	168	1535.16	91	1539.30	130	1541.55	117	1536.58	60	1545.92	101	1547.04	51	1548.12	20	1549.19	9.8	1523.98
05/16/18	657	169	1535.24	91	1539.46	130	1541.54	116	1536.66	60	1545.90	102	1547.02	51	1548.09	19	1549.17	9.8	1524.02
05/17/18	646	167	1535.19	90	1539.28	130	1541.51	116	1536.61	59	1545.88	101	1546.99	51	1548.07	19	1549.15	9.7	1523.84
05/18/18	646	166	1535.15	90	1539.25	130	1541.49	116	1536.57	60	1545.86	100	1546.97	51	1548.05	19	1549.13	9.7	1523.99
05/19/18	647	168	1535.13	90	1539.33	131	1541.47	116	1536.55	59	1545.84	102	1546.95	52	1548.03	19	1549.11	10	1524.06
05/20/18	648	165	1535.10	89	1539.25	128	1541.45	114	1536.52	59	1545.83	100	1546.94	50	1548.01	19	1549.09	9.6	1523.94
05/21/18 ²	567	168	1535.07	94	1539.29	130	1541.43	116	1536.50	59	1545.81	101	1546.92	51	1547.99	19	1549.07	8.0	1523.90
05/22/18	646	167	1535.05	90	1539.29	130	1541.41	115	1536.46	59	1545.79	101	1546.90	51	1547.98	19	1549.05	10	1523.84
05/23/18	646	167	1535.02	90	1539.28	130	1541.39	116	1536.44	59	1545.76	101	1546.88	51	1547.95	19	1549.03	9.7	1523.83
05/24/18	650	168	1535.00	90	1539.68	131	1541.38	117	1536.41	60	1545.75	102	1546.86	51	1547.94	19	1549.02	9.8	1523.79
05/25/18	643	170	1534.97	91	1538.92	132	1541.35	118	1536.39	61	1545.73	103	1546.84	51	1547.92	20	1549.00	9.9	1523.86
05/26/18	645	166	1534.95	88	1539.63	129	1541.34	115	1536.38	59	1545.72	100	1546.83	50	1547.90	19	1548.98	9.7	1523.88
05/27/18	646	166	1534.94	88	1539.39	129	1541.32	114	1536.36	58	1545.71	100	1546.82	50	1547.89	19	1548.97	9.6	1523.87
05/28/18	652	166	1534.92	88	1539.24	129	1541.31	115	1536.34	59	1545.69	101	1546.80	50	1547.88	19	1548.96	9.6	1524.19
05/29/18 ²	604	168	1534.89	85	1538.91	130	1541.29	116	1536.32	59	1545.68	101	1546.79	51	1547.87	19	1548.94	10	1524.23
05/30/18	675	171	1534.88	91	1539.61	133	1541.30	118	1536.31	60	1545.67	103	1546.77	52	1547.85	20	1548.92	10	1523.92
05/31/18	643	168	1534.85	88	1539.50	130	1541.27	116	1536.28	59	1545.64	102	1546.75	51	1547.82	19	1548.90	9.7	1524.25
Monthly Average	643	167	1535.36	90	1539.31	130	1541.54	116	1536.58	59	1545.91	101	1546.99	51	1548.10	19	1549.18	10	1523.97
Analytical ¹		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ⁴ (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		4.3	5/9/2018	4.4	5/9/2018	8.8	5/9/2018	2.3	5/9/2018	5.1	5/9/2018	0.92	5/9/2018	0.15	5/9/2018	0.26	5/9/2018	0.48	5/10/2018
Hexavalent Chromium		0.0032	5/9/2018	0.00037	5/9/2018	ND	5/9/2018	0.0024	5/9/2018	ND	5/9/2018	ND	5/9/2018	ND	5/9/2018	ND	5/9/2018	ND	5/10/2018
Total Chromium		0.0038 J	5/9/2018	ND	5/9/2018	ND	5/9/2018	ND	5/9/2018	ND	5/9/2018	ND	5/9/2018	ND	5/9/2018	ND	5/9/2018	ND	5/10/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 ug/L, Cr(VI)=0.20 ug/L).
 J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
 1: Analytical results are reported from TestAmerica.
 2: On 05/07, 05/14, 05/21, and 05/29, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 05/13, there was a loss of communication when data sheets were printed for LS #1. Instantaneous flow rate was used.
 4: Duplicates taken on 05/09 for well PC-115R; average of both values is presented and used for calculation.
 5: On 05/09, PC-133 offline from 6:44 am to 1:53 pm due to maintenance.

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 ³ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁶ (gpm)	Water Elevation (ft amsl)			
05/01/18	380	38	1583.23	115	1582.36	20	1582.96	4.0	1579.17	61	1580.76	16	1580.86	175	1582.62	1.5	1576.71			
05/02/18	409	39	1583.12	150	1582.24	20	1582.27	4.0	1579.17	61	1580.76	16	1579.91	177	1582.51	1.5	1576.71			
05/03/18	405	39	1583.07	150	1582.18	19	1582.84	4.0	1579.17	60	1580.77	17	1579.99	177	1582.46	1.5	1576.71			
05/04/18	406	39	1583.04	149	1582.15	19	1582.81	4.0	1579.17	61	1580.74	16	1581.42	177	1582.44	1.5	1576.71			
05/05/18	405	39	1583.02	150	1582.14	19	1582.80	4.0	1579.17	61	1580.74	16	1580.10	176	1582.42	1.5	1576.71			
05/06/18	404	39	1583.01	150	1582.12	19	1582.79	4.0	1579.17	60	1580.74	16	1581.00	176	1582.42	1.5	1576.71			
05/07/18 ²	458	39	1583.00	149	1582.11	16	1582.79	4.0	1579.17	50	1580.74	32	1580.79	176	1582.41	1.5	1576.71			
05/08/18	404	39	1582.81	149	1581.60	20	1582.79	4.0	1579.21	61	1580.91	16	1580.76	177	1582.11	1.5	1576.73			
05/09/18	398	40	1582.79	150	1581.59	19	1582.78	4.0	1579.21	61	1581.06	16	1581.74	177	1582.09	1.5	1576.76			
05/10/18	404	39	1582.77	150	1581.57	19	1582.76	4.0	1579.21	61	1580.92	17	1580.26	176	1582.07	1.5	1576.73			
05/11/18	405	39	1582.76	150	1581.55	19	1582.76	4.0	1579.21	60	1580.92	16	1582.24	177	1582.06	1.5	1576.73			
05/12/18	403	40	1582.77	149	1581.56	19	1582.76	4.0	1579.20	60	1580.92	16	1580.76	176	1582.07	1.5	1576.73			
05/13/18	455	39	1582.79	150	1581.59	18	1582.78	4.0	1579.20	60	1580.90	16	1580.89	176	1582.09	1.5	1576.72			
05/14/18 ²	337	39	1582.81	152	1581.61	22	1582.79	4.0	1579.20	76	1580.90	14	1579.96	176	1582.11	1.5	1576.72			
05/15/18	403	40	1582.82	150	1581.62	19	1582.80	4.0	1579.20	60	1580.90	17	1581.32	178	1582.12	1.5	1576.73			
05/16/18	403	39	1582.82	149	1581.61	19	1582.80	4.0	1579.20	60	1580.90	16	1580.23	177	1582.12	1.5	1576.72			
05/17/18	403	39	1582.81	150	1581.60	19	1582.79	4.0	1579.19	60	1580.91	16	1581.28	177	1582.11	1.5	1576.72			
05/18/18	404	39	1582.77	150	1581.56	19	1582.77	4.0	1579.19	60	1580.87	15	1581.47	177	1582.07	1.5	1576.72			
05/19/18	403	39	1582.75	150	1581.54	19	1582.75	4.0	1579.19	59	1580.90	17	1580.86	176	1582.06	1.5	1576.72			
05/20/18	402	39	1582.74	150	1581.52	19	1582.74	4.0	1579.19	59	1580.90	16	1579.94	176	1582.04	1.5	1576.72			
05/21/18 ²	357	40	1582.72	152	1581.51	25	1582.74	4.0	1579.19	52	1580.91	16	1580.10	179	1582.03	1.5	1576.72			
05/22/18	401	40	1582.70	150	1581.50	19	1582.73	4.0	1579.19	59	1580.87	16	1582.13	178	1582.02	1.5	1576.72			
05/23/18	400	39	1582.69	150	1581.49	19	1582.72	4.0	1579.19	59	1580.87	16	1582.18	177	1582.01	1.5	1576.72			
05/24/18	400	39	1582.69	150	1581.49	18	1582.72	4.0	1579.19	59	1580.87	15	1581.76	177	1582.01	1.5	1576.72			
05/25/18	401	39	1582.69	150	1581.48	18	1582.71	4.0	1579.19	58	1580.87	17	1580.20	177	1582.01	1.5	1576.72			
05/26/18	400	39	1582.68	150	1581.47	19	1582.71	4.0	1579.19	59	1580.84	16	1581.36	176	1582.00	1.5	1576.72			
05/27/18	401	39	1582.67	150	1581.46	19	1582.70	4.0	1579.19	58	1580.88	16	1580.41	176	1581.99	1.5	1576.72			
05/28/18	400	39	1582.66	149	1581.45	18	1582.70	4.0	1579.19	59	1580.84	16	1581.23	176	1581.99	1.5	1576.72			
05/29/18 ²	432	39	1582.65	153	1581.44	14	1582.69	4.0	1579.19	68	1580.88	12	1579.99	177	1581.98	1.5	1576.72			
05/30/18	397	39	1582.64	151	1581.43	18	1582.69	4.0	1579.19	58	1580.88	16	1580.31	176	1581.97	1.5	1576.72			
05/31/18	398	39	1582.64	150	1581.43	19	1582.68	4.0	1579.19	58	1580.84	17	1580.17	176	1581.96	1.5	1576.72			
Monthly Average	403	39	1582.81	149	1581.68	19	1582.75	4.0	1579.19	60	1580.86	16	1580.83	177	1582.14	1.5	1576.72			
Analytical ¹	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
Perchlorate	18	5/8/2018	12	5/8/2018	170	5/8/2018	110	5/8/2018	160	5/8/2018	88	5/8/2018	80	5/8/2018	65	5/8/2018	65	5/8/2018	65	5/8/2018
Hexavalent Chromium	ND	5/8/2018	0.0071	5/8/2018	0.35	5/8/2018	0.16	5/8/2018	0.70	5/8/2018	0.54	5/8/2018	0.10	5/8/2018	0.056	5/8/2018	0.056	5/8/2018	0.056	5/8/2018
Total Chromium	ND	5/8/2018	0.0073	5/8/2018	0.35	5/8/2018	0.17	5/8/2018	0.65	5/8/2018	0.56	5/8/2018	0.10	5/8/2018	0.055	5/8/2018	0.055	5/8/2018	0.055	5/8/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (ClO₂ = 0.5 ug/L; ClO₂ = 10 ug/L; NO₂-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 05/07, 05/14, 05/21, and 05/29, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 05/01, ART-2A online at 10:19 am. ART-2 remained online all day.
 4: Conducted periodic bucket tests to confirm flow rates for ART-4. Average flow of 4.0 gpm determined from flow tests is presented for 05/01-05/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.
 5: Duplicates taken on 05/08 for well ART-8A; average of both values is presented and used for calculation.
 6: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 05/01-05/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (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 ^{4,5,6,7} (gpm)	Water Elevation (ft amsl)	Flow ^{3,5} (gpm)	Water Elevation (ft amsl)	Flow ^{4,5,7,8} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
05/01/18	0.21	1723.02	1.1	1707.88	0.00	1719.07	0.00	1723.95	0.00	1725.24	0.50	1709.92	3.6	1707.87	1.5	1706.16	1.3	1708.49	4.4	1711.69
05/02/18	0.21	1722.93	1.1	1707.66	0.00	1719.07	0.00	1723.91	0.00	1725.23	0.50	1709.92	3.6	1707.83	1.5	1706.18	1.2	1708.50	4.4	1711.64
05/03/18	0.21	1722.90	1.1	1707.37	0.00	1719.06	0.00	1723.89	0.00	1725.22	0.50	1709.92	3.6	1707.85	1.5	1706.18	1.2	1708.50	4.3	1711.59
05/04/18	0.20	1722.87	1.1	1707.39	0.00	1719.05	0.00	1723.90	0.00	1725.21	0.46	1709.92	3.6	1707.82	1.5	1706.19	1.2	1708.49	4.3	1711.52
05/05/18	0.20	1722.84	1.1	1707.55	0.00	1719.03	0.00	1723.92	0.00	1725.22	0.45	1709.92	3.6	1707.76	1.4	1706.17	1.2	1708.49	4.4	1711.46
05/06/18	0.20	1722.88	1.1	1708.00	0.00	1719.02	0.00	1723.92	0.00	1725.23	0.47	1709.92	3.5	1707.64	1.4	1706.16	1.2	1708.50	4.4	1711.51
05/07/18 ²	0.20	1722.79	0.96	1707.83	0.00	1719.03	0.00	1723.92	0.00	1725.23	0.49	1709.92	3.5	1707.85	1.4	1706.15	0.82	1715.71	4.4	1711.55
05/08/18	0.20	1722.77	1.1	1708.32	0.00	1719.01	0.00	1723.93	0.00	1725.23	0.47	1709.92	3.5	1707.93	1.4	1706.16	1.1	1712.54	4.4	1711.45
05/09/18	0.20	1722.74	1.1	1708.26	0.00	1719.02	0.00	1723.94	0.00	1725.23	0.47	1709.92	3.5	1707.91	1.4	1706.16	1.2	1712.44	4.4	1711.38
05/10/18	0.20	1722.71	1.1	1707.42	0.00	1719.00	0.01	1723.91	0.01	1725.23	0.47	1709.92	3.4	1707.87	1.4	1706.16	1.2	1712.59	4.3	1711.30
05/11/18	0.19	1723.54	1.1	1707.50	0.00	1719.00	0.00	1723.91	0.00	1725.23	0.46	1709.91	3.3	1707.92	1.4	1706.17	1.1	1714.07	4.2	1711.28
05/12/18	0.19	1723.06	1.1	1707.16	0.00	1719.01	0.00	1723.88	0.00	1725.22	0.47	1709.91	3.6	1707.67	1.4	1706.56	1.1	1713.39	4.4	1711.10
05/13/18	0.19	1722.91	1.1	1707.23	0.00	1718.99	0.00	1723.87	0.00	1725.21	0.47	1709.91	3.5	1707.76	1.4	1706.80	1.1	1713.68	4.5	1710.95
05/14/18 ²	0.18	1723.78	1.7	1707.72	0.00	1719.12	0.00	1723.87	0.00	1725.21	0.42	1709.90	2.5	1707.58	1.2	1713.80	0.84	1715.46	4.3	1710.87
05/15/18	0.17	1723.48	1.1	1707.29	0.00	1719.11	0.00	1723.86	0.00	1725.20	0.42	1709.92	3.0	1708.35	1.4	1709.67	1.1	1712.41	4.4	1710.84
05/16/18	0.19	1722.88	1.1	1707.37	0.00	1719.01	0.00	1723.87	0.00	1725.21	0.48	1709.92	3.3	1709.88	1.4	1709.67	1.2	1712.58	4.3	1710.71
05/17/18	0.19	1723.23	1.1	1707.96	0.02	1719.10	0.00	1723.88	0.00	1725.21	0.47	1709.93	3.2	1711.72	1.4	1709.67	1.2	1712.16	4.3	1710.46
05/18/18	0.19	1722.89	1.1	1707.65	0.00	1719.07	0.00	1723.83	0.00	1725.20	0.46	1709.94	3.1	1710.98	1.4	1709.67	1.2	1712.36	4.3	1710.02
05/19/18	0.19	1722.76	1.1	1708.02	0.00	1719.08	0.00	1723.82	0.00	1725.20	0.45	1709.93	3.3	1708.58	1.4	1709.67	1.2	1712.52	4.3	1709.81
05/20/18	0.19	1722.73	1.1	1707.59	0.00	1719.18	0.00	1723.83	0.00	1725.20	0.49	1709.92	3.5	1709.77	1.4	1709.67	1.1	1713.07	4.4	1710.58
05/21/18 ²	0.20	1723.10	2.5	1707.92	0.00	1719.18	0.00	1723.81	0.00	1725.19	0.50	1709.93	3.4	1707.73	1.4	1709.67	1.1	1713.11	4.3	1710.40
05/22/18	0.19	1723.03	1.1	1707.27	0.00	1719.06	0.00	1723.80	0.00	1725.19	0.49	1709.93	3.5	1707.80	1.4	< 1705.53	1.1	1713.16	4.3	1710.16
05/23/18	0.19	1722.72	1.1	1707.27	0.00	1719.03	0.00	1723.78	0.00	1725.18	0.46	1709.94	3.5	1707.80	1.4	< 1705.50	1.1	1713.38	4.3	1709.93
05/24/18	0.19	1722.67	1.1	1707.26	0.00	1719.01	0.00	1723.78	0.00	1725.17	0.46	1709.94	3.5	1707.87	1.4	< 1705.51	1.1	1713.45	4.3	1709.63
05/25/18	0.19	1722.65	1.1	1710.89	0.00	1719.00	0.00	1723.78	0.00	1725.18	0.47	1709.92	3.5	1707.62	1.4	< 1705.58	1.1	1713.52	4.3	1709.27
05/26/18	0.19	1722.62	1.1	1709.97	0.00	1718.98	0.00	1723.78	0.00	1725.17	0.47	1709.94	3.5	1707.71	1.3	< 1705.51	1.1	1713.65	4.3	1709.19
05/27/18	0.19	1722.60	1.1	1708.76	0.00	1718.97	0.00	1723.77	0.00	1725.16	0.44	1709.94	3.5	1707.47	1.3	< 1705.29	1.1	1713.81	4.2	1709.55
05/28/18	0.19	1722.61	1.1	1710.09	0.00	1718.96	0.00	1723.77	0.00	1725.16	0.43	1709.93	3.4	1707.83	1.3	< 1705.61	1.1	1713.94	4.3	1710.08
05/29/18 ²	0.19	1722.61	1.3	1708.54	0.00	1718.96	0.00	1723.80	0.00	1725.17	0.45	1709.92	3.2	1707.85	1.4	< 1705.50	1.2	1712.18	4.4	1710.29
05/30/18	0.19	1722.64	1.1	1707.56	0.00	1719.27	0.00	1723.79	0.00	1725.17	0.45	1709.93	3.4	1707.92	1.3	< 1705.58	1.2	1712.29	4.3	1709.25
05/31/18	0.19	1722.60	1.1	1707.36	0.00	1719.58	0.00	1723.78	0.00	1725.16	0.45	1709.92	3.4	1707.87	1.3	< 1705.49	1.2	1712.42	4.3	1707.61
Monthly Average	0.19	1722.89	1.2	1707.94	0.00	1719.07	0.00	1723.85	0.00	1725.20	0.47	1709.92	3.4	1708.19	1.4	1707.02	1.1	1712.29	4.3	1710.55
Analytical ¹	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	5/17/2018	67	5/17/2018	190	5/17/2018	200	5/10/2018	120	5/10/2018	350	5/17/2018	620	5/17/2018	590	5/17/2018	480	5/17/2018	790	5/17/2018
Hexavalent Chromium	0.25	5/17/2018	0.059	5/17/2018	0.0016	5/17/2018	2.2	5/10/2018	0.69	5/10/2018	0.11	5/17/2018	2.2	5/17/2018	4.9	5/17/2018	6.0	5/17/2018	12	5/17/2018
Total Chromium	17	5/17/2018	0.078	5/17/2018	0.021	5/17/2018	2.2	5/10/2018	0.97	5/10/2018	0.67	5/17/2018	2.3	5/17/2018	5.1	5/17/2018	6.3	5/17/2018	13	5/17/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 NM = No measurements
 1: Analytical results are reported from TestAmerica.
 2: On 05/07, 05/14, 05/21, and 05/29, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 05/01, I-AA, I-D, I-L, I-M, I-N, I-Q, I-U, and I-X adjusted to meet flow target as directed by the Trust.
 4: On 05/08, I-C, I-E, I-L, I-M, I-N, I-O, I-R, I-T and I-U adjusted to meet flow target as directed by the Trust.
 5: On 05/14, I-C, I-D, I-E, and I-L adjusted to meet flow target as directed by the Trust.
 6: On 05/15, I-C, I-M, I-N, and I-R adjusted to meet flow target as directed by the Trust.
 7: On 05/17, I-C, I-E, I-L, I-M, and I-N adjusted to meet flow target as directed by the Trust.
 8: On 05/29, I-E, I-H, I-M, I-N, I-T, and I-U adjusted to meet flow target as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-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 ^{3 4 5 7} (gpm)	Water Elevation (ft amsl)	Flow ^{3 4 6 7 8} (gpm)	Water Elevation (ft amsl)	Flow ^{3 4 6 7 8 10 11} (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
05/01/18	0.14	1715.01	1.5	1717.94	5.1	1721.81	6.8	1707.06	3.0	1716.73	1.2	1712.40	1.9	1718.09	3.3	1714.44	0.75	1721.68	2.3	1720.74
05/02/18	0.13	1715.28	1.5	1717.68	5.1	1721.78	6.8	1707.07	3.0	1716.68	1.2	1713.38	1.9	1717.45	3.2	1714.52	0.75	1721.65	2.3	1720.67
05/03/18	0.13	1715.20	1.5	1717.38	5.1	1721.76	6.7	1707.06	3.1	1716.21	1.2	1711.77	2.0	1717.88	3.2	1713.40	0.72	1721.62	2.3	1720.62
05/04/18	0.13	1715.31	1.5	1716.91	5.1	1721.76	6.8	1707.07	3.1	1716.12	1.3	1712.63	2.1	1717.50	3.3	1713.34	0.68	1721.61	2.3	1720.57
05/05/18	0.15	1713.78	1.3	1716.36	5.2	1721.76	6.8	1707.07	3.2	1716.12	1.2	1713.09	2.0	1716.90	3.3	1713.47	0.65	1721.60	2.2	1720.54
05/06/18	0.15	1713.61	1.2	1715.66	5.1	1721.79	6.7	1707.08	3.1	1715.15	1.2	1713.32	1.9	1717.25	2.9	1717.05	0.70	1721.59	2.2	1720.56
05/07/18 ²	0.26	1713.71	1.3	1714.87	5.1	1721.74	6.6	1707.08	3.4	1716.09	1.2	1713.60	1.5	1718.25	2.4	1717.54	0.71	1721.56	2.1	1720.50
05/08/18	0.15	1713.30	1.3	1713.95	5.1	1721.74	6.7	1707.08	3.1	1716.07	1.3	1712.15	2.0	1716.74	3.2	1713.74	0.69	1721.55	2.1	1720.46
05/09/18	0.15	1713.38	1.3	1713.35	5.1	1721.73	6.7	1707.08	3.1	1716.06	1.2	1712.96	2.0	1717.08	3.2	1714.00	0.67	1721.54	2.1	1720.43
05/10/18	0.15	1713.22	1.4	1712.58	5.0	1721.73	6.7	1707.06	3.1	1716.13	1.2	1712.93	2.0	1716.93	3.2	1712.65	0.64	1721.52	2.0	1720.38
05/11/18	0.14	1713.13	1.4	1712.88	5.0	1721.75	6.7	1707.06	3.1	1716.21	1.2	1712.62	2.0	1717.07	3.2	1712.64	0.64	1721.55	2.1	1720.38
05/12/18	0.15	1713.07	1.4	1711.04	5.2	1721.70	6.8	1707.06	3.2	1716.01	1.1	1714.47	2.1	1716.81	3.2	1712.64	0.63	1721.52	2.3	1720.30
05/13/18	0.15	1712.90	1.4	1710.42	5.2	1721.69	6.7	1707.06	3.2	1715.94	1.0	1714.43	2.1	1716.70	3.2	1712.79	0.68	1721.50	2.3	1720.23
05/14/18 ²	0.26	1710.30	1.4	1709.76	5.1	1721.67	6.8	1707.06	3.2	1715.91	0.35	1719.92	1.8	1716.49	2.9	1714.67	0.55	1721.48	2.2	1720.18
05/15/18	0.15	1710.95	1.4	1709.45	5.1	1721.69	6.7	1707.06	3.1	1715.96	0.99	1714.85	1.8	1716.17	2.9	1714.71	0.56	1721.48	2.3	1720.15
05/16/18	0.16	1710.95	1.3	1709.45	5.1	1721.66	6.7	1707.06	3.1	1715.99	1.1	1714.73	1.9	1717.07	3.1	1712.64	0.58	1721.47	2.3	1720.12
05/17/18	0.13	1710.36	1.3	1709.65	5.0	1721.65	6.7	1707.06	3.1	1716.01	1.1	1714.17	1.9	1717.48	3.1	1713.26	0.58	1721.46	2.3	1720.08
05/18/18	0.09	1716.10	1.3	1709.64	5.0	1721.64	6.6	1707.07	3.2	1715.99	1.2	1711.41	1.9	1717.22	3.1	1712.77	0.55	1721.44	2.3	1720.06
05/19/18	0.11	1715.95	1.3	1709.66	5.1	1721.63	6.6	1707.07	3.2	1715.97	1.3	1711.39	2.0	1716.64	2.9	1717.16	0.65	1721.36	2.2	1720.01
05/20/18	0.12	1714.17	1.3	1709.53	5.2	1721.63	6.6	1707.07	3.2	1715.99	1.3	1711.39	2.2	1717.04	2.2	1715.23	0.77	1721.36	2.2	1719.97
05/21/18 ²	0.23	1714.21	1.2	1709.63	5.1	1721.05	6.7	1707.06	3.1	1715.99	1.3	1711.38	1.7	1716.78	2.7	1716.11	0.77	1721.35	2.3	1719.91
05/22/18	0.15	1712.36	1.2	1709.59	5.1	1721.46	6.6	1707.07	3.1	1715.96	1.3	1711.38	1.9	1717.84	2.8	1714.64	0.76	1721.33	2.3	1719.86
05/23/18	0.16	1712.36	1.2	1709.60	5.1	1721.44	6.6	1707.07	3.1	1715.94	1.3	1711.40	1.9	1717.26	2.7	1715.82	0.66	1721.34	2.3	1719.81
05/24/18	0.16	1710.51	1.3	1709.52	5.0	1721.43	6.6	1712.08	3.1	1715.96	1.3	1711.40	1.8	1717.31	2.9	1715.05	0.68	1721.33	2.3	1719.76
05/25/18	0.16	1710.75	1.3	1709.57	5.1	1721.43	6.6	1712.07	3.1	1715.96	1.3	1711.38	2.0	1716.67	2.8	1714.84	0.69	1721.32	2.3	1719.71
05/26/18	0.16	1712.56	1.4	1709.56	5.2	1721.42	6.6	1712.08	3.1	1715.96	1.3	1711.39	2.1	1716.79	2.5	1717.00	0.73	1721.31	2.3	1719.66
05/27/18	0.16	1710.60	1.3	1709.56	5.2	1721.41	6.6	1712.08	3.1	1715.95	1.3	1711.38	2.0	1716.51	2.3	1717.40	0.76	1721.29	2.3	1719.62
05/28/18	0.15	1709.45	1.2	1709.54	5.2	1721.40	6.6	1712.09	3.1	1715.96	1.3	1711.38	2.0	1716.87	2.1	1717.69	0.70	1721.29	2.3	1719.57
05/29/18 ²	0.28	1710.23	1.3	1709.46	5.1	1721.41	6.6	1712.09	3.1	1716.00	1.3	1711.39	2.2	1716.68	3.0	1714.36	0.70	1721.29	2.1	1719.57
05/30/18	0.16	1710.22	1.1	1709.47	5.1	1721.47	6.6	1712.08	3.1	1716.02	1.3	1711.39	2.2	1716.25	2.9	1714.97	0.67	1721.28	2.1	1719.58
05/31/18	0.15	1710.31	1.1	1709.52	5.1	1721.46	6.6	1712.08	3.1	1716.00	1.3	1711.38	2.1	1716.33	2.9	1714.36	0.69	1721.27	2.0	1719.58
Monthly Average	0.16	1712.69	1.3	1711.72	5.1	1721.60	6.7	1708.36	3.1	1716.07	1.2	1712.67	2.0	1717.03	2.9	1714.67	0.68	1721.45	2.2	1720.12
Analytical ¹	Conc (mg/L)	Date	Conc ² (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	1.500	5/17/2018	1.150	5/17/2018	710	5/10/2018	270	5/10/2018	210	5/10/2018	430	5/17/2018	780	5/17/2018	540	5/17/2018	940	5/17/2018	990	5/17/2018
Hexavalent Chromium	20	5/17/2018	14	5/17/2018	10	5/10/2018	4.0	5/10/2018	2.3	5/10/2018	1.1	5/17/2018	6.0	5/17/2018	6.2	5/17/2018	17	5/17/2018	15	5/17/2018
Total Chromium	22	5/17/2018	16	5/17/2018	11	5/10/2018	4.2	5/10/2018	2.4	5/10/2018	1.1	5/17/2018	6.1	5/17/2018	6.4	5/17/2018	18	5/17/2018	17	5/17/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 05/07, 05/14, 05/21, and 05/29, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 05/01, I-AA, I-D, I-L, I-M, I-N, I-O, I-U, and I-X adjusted to meet flow target as directed by the Trust.
 4: On 05/08, I-C, I-E, I-H, I-M, I-N, I-O, I-R, I-T and I-U adjusted to meet flow target as directed by the Trust.
 5: On 05/14, I-C, I-D, I-E, and I-L adjusted to meet flow target as directed by the Trust.
 6: On 05/15, I-C, I-M, I-N, and I-R adjusted to meet flow target as directed by the Trust.
 7: On 05/17, I-C, I-E, I-L, I-M, and I-N adjusted to meet flow target as directed by the Trust.
 8: On 05/29, I-E, I-H, I-M, I-N, I-T, and I-U adjusted to meet flow target as directed by the Trust.
 9: Duplicates taken on 05/17 for well I-H; average of both values is presented and used for calculation purposes.
 10: On 05/20, I-N and I-R adjusted to meet flow target as directed by the Trust.
 11: On 05/23, I-N and I-X 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 ³ (gpm)	Water Elevation (ft amsl)	Flow ^{6 10} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{4 8} (gpm)	Water Elevation (ft amsl)	Flow ^{3 4 8} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{3 11} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation ¹² (ft amsl)
05/01/18	0.17	1718.95	1.3	1713.54	2.1	1711.00	0.39	1716.07	0.75	1710.39	4.3	1719.50	0.82	1719.34	3.8	1698.23	1.4	1700.22	7.9	< 1707.89
05/02/18	0.18	1718.43	1.3	1713.52	2.1	1711.00	0.38	1716.21	0.81	1710.00	4.3	1719.44	0.82	1719.29	3.7	1698.27	1.4	1700.17	7.9	< 1707.89
05/03/18	0.18	1718.76	1.3	1713.63	2.1	1711.01	0.41	1716.05	0.81	1709.28	4.3	1719.41	0.82	1719.25	3.7	1698.24	1.4	1701.19	7.8	< 1707.89
05/04/18	0.19	1718.46	1.2	1711.60	2.1	1711.01	0.46	1716.12	0.86	1709.28	4.3	1719.40	0.82	1719.22	3.7	1698.17	1.4	1700.36	7.8	< 1707.89
05/05/18	0.18	1718.62	1.2	1711.90	2.1	1711.01	0.42	1714.90	0.82	1709.93	4.3	1719.40	0.79	1719.21	3.6	1698.53	1.4	1700.24	7.8	< 1707.89
05/06/18	0.17	1718.70	1.2	1711.11	2.1	1711.01	0.38	1715.28	0.78	1711.85	4.2	1719.45	0.79	1719.30	3.6	1698.19	1.4	1709.65	7.7	< 1707.89
05/07/18 ²	0.18	1718.68	1.1	1712.73	2.1	1711.01	0.35	1716.97	0.73	1711.55	4.3	1719.40	0.76	1719.26	3.6	1698.26	1.4	1700.18	7.5	< 1707.89
05/08/18	0.19	1718.54	1.2	1711.67	2.1	1711.01	0.50	1709.77	0.84	1709.06	4.3	1719.39	0.81	1719.22	3.7	1698.08	1.4	1700.15	7.7	< 1707.89
05/09/18	0.19	1718.47	1.1	1713.18	2.1	1711.01	0.49	1711.18	0.81	1709.88	4.3	1719.38	0.82	1719.19	3.6	1698.22	1.3	1701.01	7.5	< 1707.89
05/10/18	0.19	1718.49	1.1	1711.43	2.1	1711.01	0.47	1711.29	0.80	1709.80	4.3	1719.37	0.82	1719.15	3.6	1698.15	1.4	1700.94	7.4	< 1707.89
05/11/18	0.19	1718.57	1.1	1711.78	2.1	1711.00	0.48	1713.01	0.84	1708.18	4.3	1719.40	0.79	1719.08	3.5	1698.27	1.3	1701.77	7.7	< 1707.89
05/12/18	0.20	1718.30	1.2	1712.19	2.1	1711.00	0.51	1712.89	0.88	1708.16	4.3	1719.33	0.85	1719.03	3.6	1699.56	1.4	1701.43	7.9	< 1707.89
05/13/18	0.19	1718.35	1.3	1712.23	2.1	1711.00	0.47	1713.36	0.88	1708.14	4.2	1719.30	0.85	1718.98	3.5	1698.43	1.4	1701.41	7.9	< 1707.89
05/14/18 ²	0.17	1718.85	1.0	1714.93	2.2	1710.99	0.47	1713.16	0.83	1709.00	4.3	1719.27	0.85	1718.99	3.9	1698.61	1.4	1701.62	8.1	< 1707.89
05/15/18	0.18	1717.19	1.2	1715.01	2.1	1711.00	0.47	1712.84	0.84	1708.76	4.3	1719.28	0.82	1719.05	3.5	1698.37	1.4	1702.17	7.5	< 1707.89
05/16/18	0.18	1718.15	1.1	1710.44	2.2	1711.00	0.46	1712.21	0.84	1708.54	4.3	1719.24	0.82	1719.03	3.5	1699.04	1.4	1701.42	7.9	< 1707.89
05/17/18	0.22	1718.18	1.2	1711.78	2.1	1711.03	0.49	1712.55	0.83	1709.16	4.3	1719.23	0.80	1719.12	3.5	1698.97	1.4	1701.42	7.9	< 1707.89
05/18/18	0.22	1718.11	1.1	1710.05	2.1	1711.03	0.49	1710.21	0.82	1709.25	4.3	1719.20	0.79	1719.08	3.5	1697.88	1.4	1703.65	7.8	< 1707.89
05/19/18	0.20	1718.26	1.1	1716.39	2.0	1711.03	0.50	1710.02	0.86	1707.90	4.3	1719.17	0.77	1719.06	3.4	1700.38	1.3	1709.75	7.8	< 1707.89
05/20/18	0.22	1717.74	0.45	1716.30	2.1	1711.03	0.52	1711.56	0.81	1711.35	4.2	1719.16	0.80	1718.96	3.5	1700.58	1.4	1704.82	7.8	< 1707.89
05/21/18 ²	0.24	1718.02	0.72	1716.96	2.1	1711.03	0.50	1708.86	0.73	1711.01	4.3	1719.13	0.82	1718.94	3.2	1697.25	1.4	1701.17	7.5	< 1707.89
05/22/18	0.23	1718.04	1.0	1712.01	2.0	1711.03	0.51	1708.34	0.72	1711.10	4.3	1719.10	0.81	1718.92	3.5	1697.97	1.4	1700.22	7.8	< 1707.89
05/23/18	0.23	1718.02	1.2	1711.81	2.0	1711.03	0.51	1708.34	0.72	1710.80	4.3	1719.07	0.81	1718.90	3.5	1698.20	1.3	1700.16	7.8	< 1707.89
05/24/18	0.23	1718.06	1.1	1711.61	2.0	1711.03	0.51	1708.35	0.76	1710.29	4.3	1719.07	0.79	1718.86	3.5	1698.17	1.3	1702.49	7.7	< 1707.89
05/25/18	0.23	1717.75	1.1	1711.51	2.0	1711.03	0.51	1708.31	0.80	1708.14	4.3	1719.06	0.82	1718.85	3.4	1698.11	1.4	1703.05	7.7	< 1707.89
05/26/18	0.23	1717.95	1.2	1711.46	2.0	1711.03	0.50	1708.31	0.84	1708.67	4.3	1719.05	0.82	1718.82	3.4	1697.50	1.4	1702.11	7.7	< 1707.89
05/27/18	0.22	1717.57	1	1711.44	2.0	1711.02	0.50	1708.31	0.83	1708.41	4.2	1719.02	0.82	1718.79	3.5	1697.76	1.3	1702.61	7.7	< 1707.89
05/28/18	0.22	1717.87	1.1	1711.18	2.0	1711.03	0.50	1708.31	0.83	1708.39	4.2	1719.00	0.82	1718.78	3.5	1698.00	1.3	1702.72	7.6	< 1707.89
05/29/18 ²	0.20	1717.78	1.1	1711.25	1.9	1711.03	0.50	1708.68	0.77	1709.89	4.3	1719.02	0.81	1718.78	3.7	1697.97	1.3	1700.17	7.1	< 1707.89
05/30/18	0.25	1717.77	1.1	1710.95	1.9	1711.03	0.50	1708.68	0.73	1710.98	4.3	1719.01	0.81	1718.77	3.5	1698.25	1.3	1700.17	7.4	< 1707.89
05/31/18	0.25	1717.77	1.1	1710.85	1.9	1711.04	0.50	1708.68	0.78	1709.23	4.3	1718.98	0.81	1718.72	3.4	1698.43	1.3	1700.19	7.3	< 1707.89
Monthly Average	0.20	1718.21	1.1	1712.47	2.1	1711.02	0.47	1711.57	0.81	1709.56	4.3	1719.23	0.81	1719.03	3.6	1698.39	1.4	1701.89	7.7	< 1707.89
Analytical ¹	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	940	5/17/2018	950	5/17/2018	530	5/17/2018	1,500	5/17/2018	1,700	5/17/2018	700	5/10/2018	940	5/17/2018	1,000	5/17/2018	850	5/17/2018	380	5/10/2018
Hexavalent Chromium	16	5/17/2018	0.48	5/17/2018	1.3	5/17/2018	20	5/17/2018	18	5/17/2018	15	5/10/2018	16	5/17/2018	8.6	5/17/2018	0.83	5/17/2018	9.2	5/10/2018
Total Chromium	18	5/17/2018	0.52	5/17/2018	1.3	5/17/2018	22	5/17/2018	19	5/17/2018	17	5/10/2018	18	5/17/2018	10	5/17/2018	0.94	5/17/2018	10	5/10/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 05/07, 05/14, 05/21, and 05/29, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 05/01, I-AA, I-D, I-L, I-M, I-N, I-Q, I-U, and I-X adjusted to meet flow target as directed by the Trust.
 4: On 05/08, I-C, I-E, I-I, I-M, I-N, I-O, I-R, I-T and I-U adjusted to meet flow target as directed by the Trust.
 5: On 05/15, I-C, I-M, I-N, and I-R adjusted to meet flow target as directed by the Trust.
 6: On 05/29, I-E, I-H, I-M, I-N, I-T, and I-U adjusted to meet flow target as directed by the Trust.
 7: On 05/20, I-N and I-R adjusted to meet flow target as directed by the Trust.
 8: On 05/23, I-N and I-X adjusted to meet flow target as directed by the Trust.
 9: On 05/23, I-N and I-X adjusted to meet flow target as directed by the Trust.
 10: On 05/20, I-N and I-R adjusted to meet flow target as directed by the Trust.
 11: On 05/23, I-N and I-X adjusted to meet flow target as directed by the Trust.
 12: A "<" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent ¹				GW-11 Influent ^{1, 4}				FBR Plant Influent ^{1, 4}						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₄ (mg/L)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₄ (mg/L)	Flow ⁵ (gpm)	TA - ClO ₄ (mg/L)	ETI - ClO ₄ (mg/L)	TA - ClO ₃ (mg/L)	TA - NO ₃ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
05/01/18	929	78				0.00				1,007		103	150			
05/02/18	969	77	0.17	ND	660	0.00				1,049		99				
05/03/18	951	77				0.00				1,028		102				
05/04/18	955	79				0.00				1,070		103				
05/05/18	953	77				0.00				1,059	120	102				
05/06/18	953	76				0.00				1,066		97				
05/07/18 ³	798	75				0.00				896		103				
05/08/18	953	77				55	0.069	0.050	63	1,064		106		13	0.055	0.050
05/09/18	958	78	0.13	ND	710	0.00				1,078		102				
05/10/18	955	75				0.00				1,039		108				
05/11/18	951	72				0.00				1,044		96				
05/12/18	950	72				0.00				1,048	120	96				
05/13/18	868	72				0.00				945		108				
05/14/18 ³	956	69				0.00				1,048		100		12	0.039	0.034
05/15/18	952	73				0.00				1,037		106				
05/16/18	960	76	0.13	ND	720	0.00				1,059		104				
05/17/18	950	75				0.00				1,048		105				
05/18/18	950	75				0.00				1,034		95				
05/19/18	949	76				0.00				1,025	100	105				
05/20/18	949	74				0.00				1,024		108				
05/21/18 ³	953	75				0.00				1,028		115		12	0.058	0.049
05/22/18	948	75				0.00				1,023		117				
05/23/18	948	77	0.18	ND	780	20				1,036		111				
05/24/18	952	71				0.00				1,087		119				
05/25/18	949	74				0.00				1,139		100				
05/26/18	950	75				0.00				1,091	120	125				
05/27/18	955	75				0.00				1,098		118				
05/28/18	958	74				0.00				1,032		129				
05/29/18 ³	977	75				0.00				1,052		129		12	0.044	0.038
05/30/18	972	76	0.20	ND	770	0.00				1,056		103				
05/31/18	946	75				0.00				1,047		117				
Monthly Average ²	946	75	0.16	ND	729	2.4	0.069	0.050	63	1,044	116	107	150	12	0.050	0.043

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 (ClO₄ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-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 05/07, 05/14, 05/21, and 05/29, LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 05/01 to 05/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance on 05/08 and 05/23.

5: From 05/01 to 05/31, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics														
Date	1st Stage FBR ⁶			2nd Stage FBR ⁶			FBR Plant Effluent ⁷							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	TA - ClO ₄ (mg/L)	ETI - ClO ₄ (mg/L)	TA - ClO ₃ (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO ₃ - N (mg/L)	ETI - Turbidity (NTU)
05/01/18	1,137	6.9	-314	859	6.9	-373	1,038		ND	0.025 J				8
05/02/18	1,156	7.0	-348	941	6.8	-369	1,076		ND					3
05/03/18	1,143	7.1	-369	900	6.8	-373	1,072		ND					2
05/04/18	1,174	7.1	-383	900	6.8	-377	1,097		ND					2
05/05/18	1,163	7.0	-389	909	6.8	-381	1,096	ND						19
05/06/18	1,140	6.9	-391	829	6.8	-380	1,091		ND					11
05/07/18	1,180	6.9	-368	935	6.8	-360	829		ND		0.0072	ND	0.55 J	12
05/08/18	1,191	6.9	-354	933	6.8	-370	976		ND					12
05/09/18	1,131	6.9	-342	792	6.8	-376	1,094		ND					6
05/10/18	1,155	6.9	-348	916	6.8	-376	1,074		ND					5
05/11/18	1,158	6.9	-344	837	6.8	-370	1,038		ND					8
05/12/18	1,147	6.9	-310	917	6.8	-375	1,072	ND						5
05/13/18	1,175	6.9	-323	986	6.8	-378	969		ND					10
05/14/18	1,136	7.1	-214	937	6.8	-373	1,072		ND		0.0051	ND	ND	20
05/15/18	1,147	7.0	-201	930	6.8	-374	1,036		ND					12
05/16/18	1,149	7.0	-195	881	6.8	-382	810		ND					8
05/17/18	1,151	6.9	-217	924	6.8	-383	816		ND					7
05/18/18	1,151	6.9	-331	734	6.8	-385	1,043		ND					5
05/19/18	1,155	6.9	-289	968	6.8	-386	1,059	ND						5
05/20/18	1,146	6.9	-184	984	6.8	-388	795		ND					8
05/21/18	1,150	6.9	-348	863	6.8	-387	1,047		ND		0.0080	ND	ND	12
05/22/18	1,156	6.9	-339	912	6.7	-388	1,058		ND					5
05/23/18	1,181	6.9	-325	956	6.8	-391	848		ND					8
05/24/18	1,190	6.8	-369	902	6.8	-393	1,095		ND					2
05/25/18	1,187	6.9	-363	975	6.8	-393	820		ND					6
05/26/18	1,177	6.9	-374	927	6.7	-393	1,106	ND						3
05/27/18	991	6.7	-385	694	6.8	-399	874		ND					2
05/28/18	1,125	6.7	-285	871	6.7	-405	1,100		ND					2
05/29/18	1,052	6.7	-315	817	6.7	-409	840		ND		0.0037 J	ND	ND	2
05/30/18	1,159	6.8	-321	879	6.8	-405	1,131		ND					2
05/31/18	1,131	6.8	-321	952	6.8	-398	866		ND					2
Monthly Average ²	1,148	6.9	-321	895	6.8	-383	998	ND	ND	0.025	0.0062	ND	0.19	7

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 (ClO₄ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).

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

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

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

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

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

GW-11 Level Monitoring		
Date	Field Measurement (ft)	Volume (MG)
05/15/18	31.7	34.4
05/31/18	31.5	34.7

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ¹ (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
05/16/18	115	5,815	1839	4631
05/29/18	44	3,985	729	441

GW-11 Composite Sample ²		
Analytes	Concentration	Units
Perchlorate	9.0	mg/L
Chlorate	12	mg/L
Ammonia as N	0.46	mg/L
Total Phosphorus	0.054 F1	mg/L
Total Dissolved Solids (TDS)	9,500	mg/L
Total Suspended Solids (TSS)	23 H	mg/L
pH	8.2 HF	s.u.
Calcium	410	mg/L
Iron	0.15	mg/L
Chromium (total)	0.0067	mg/L
Chromium VI	0.00069 J	mg/L
Chloride	2,800	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,400	mg/L

Notes:

F1 = MS and/or MSD Recovery is outside acceptance limits.

H = Sample was prepped or analyzed beyond the specified holding time

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

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

ND = Not detected above laboratory method detection limit (NH₃-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: May 31, 2018.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics						
Date	Flow ¹ (gpm)	FBR Influent Concentration			Influent Function Load ² (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO ₄ ³ (mg/L)	NO ₃ as N (mg/L)	ClO ₃ (mg/L)		
June 2017	1,047	95	12	170	720	716
July 2017	1,058	118	12	170	777	733
Aug 2017	1,072	124	9.8	170	773	746
Sep 2017	1,070	114	11	190	806	768
Oct 2017	1,060	180	11	130	821	778
Nov 2017	1,042	279	11	130	1,030	821
Dec 2017	1,070	259	12	150	1,072	880
Jan 2018	1,031	249	13	150	1,021	920
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

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

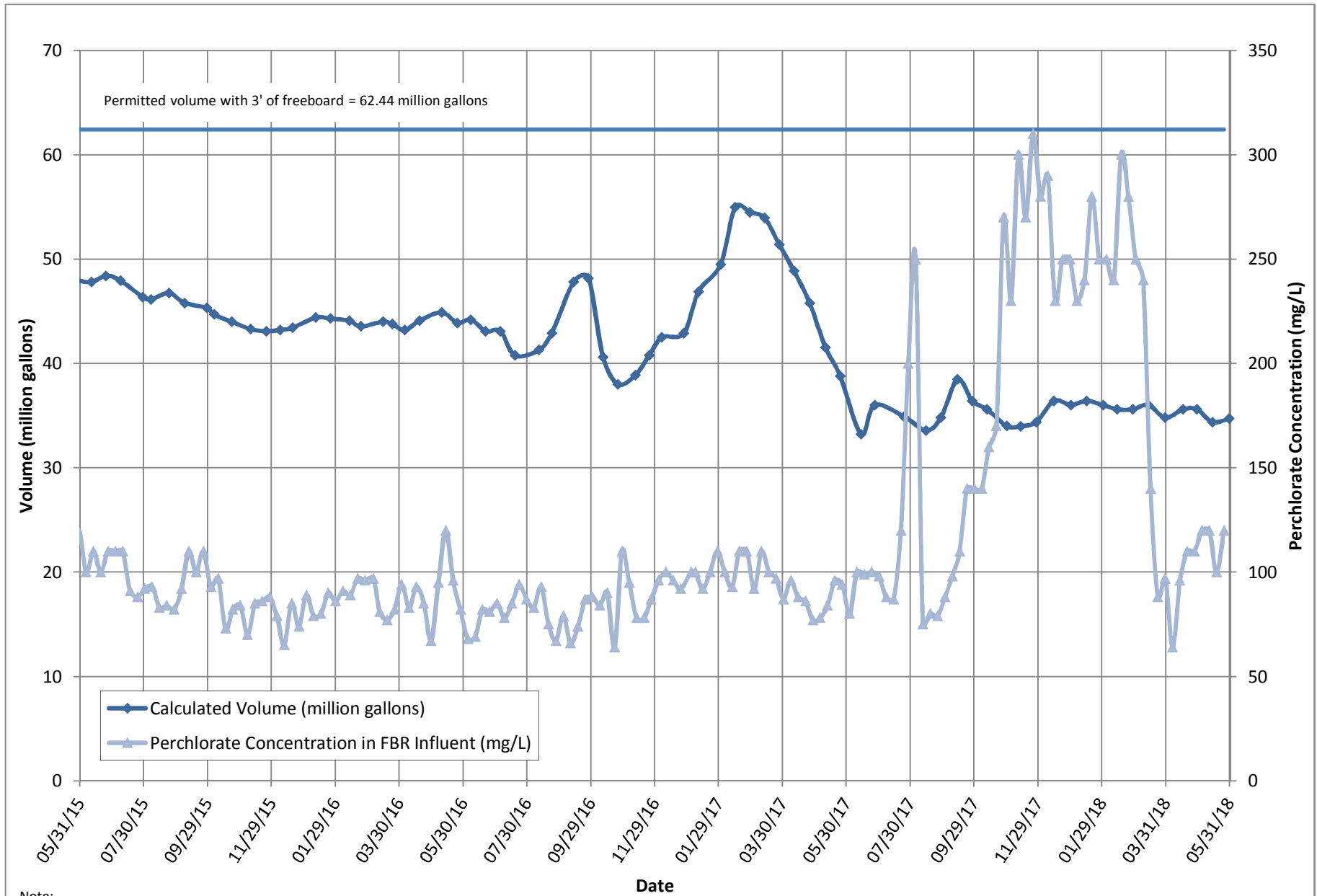
3: Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased on March 13, 2018 to prepare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

Table 7 - AP Area Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E1-1		E1-2		E1-3		E2-1		E2-2		E2-3		E2-4		E2-5	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
05/01/18	2.6	1714.93	1.1	1710.45	0.82	1710.81	1.0	1714.02	1.2	1716.11	1.3	1717.10	1.3	1717.83	0.53	1723.38
05/02/18	2.7	1713.85	1.0	1710.33	0.81	1710.67	1.0	1714.17	1.2	1716.23	1.3	1717.13	1.4	1716.67	0.67	1718.61
05/03/18	2.7	1711.45	1.0	1709.46	0.81	1712.62	0.99	1714.31	1.2	1716.62	1.3	1716.10	1.4	1716.31	0.73	1717.02
05/04/18	2.7	1711.98	0.98	1709.64	0.82	1715.02	1.0	1713.57	1.2	1714.70	1.4	1715.39	1.4	1715.50	0.72	1715.02
05/05/18	2.7	1711.69	1.0	1710.70	0.53	1712.68	0.98	1715.10	1.3	1714.76	1.3	1714.86	1.4	1715.39	0.73	1715.60
05/06/18	2.0	1719.59	0.98	1712.60	0.53	1714.83	0.98	1714.17	1.3	1714.76	1.3	1715.74	1.4	1715.76	0.69	1715.90
05/07/18	2.3	1718.73	1.0	1712.56	0.53	1713.29	1.0	1713.40	1.3	1714.45	1.2	1717.56	1.4	1716.14	0.67	1717.41
05/08/18	2.4	1718.15	1.1	1712.15	0.53	1710.84	0.99	1715.41	1.3	1714.02	1.3	1716.10	1.4	1716.30	0.76	1716.74
05/09/18	2.3	1718.12	1.2	1709.96	0.52	1710.74	0.99	1714.63	1.3	1713.82	1.3	1715.45	1.4	1715.46	0.77	1716.17
05/10/18	2.5	1715.43	1.1	1709.51	0.50	1712.14	1.0	1709.72	1.3	1713.07	1.3	1715.35	1.4	1715.61	0.83	1713.92
05/11/18	2.7	1711.41	1.1	1710.90	0.50	1710.73	1.0	1709.79	1.3	1712.05	1.3	1715.08	1.4	1714.79	0.80	1713.58
05/12/18	1.9	1718.22	0.81	1713.44	0.46	1711.45	0.63	1719.22	1.1	1716.27	1.0	1718.63	0.95	1719.95	0.45	1722.84
05/13/18	2.7	1714.91	0.98	1713.60	0.51	1711.64	0.91	1715.77	1.3	1716.49	1.3	1715.85	1.3	1717.23	0.87	1713.18
05/14/18	2.0	1721.62	0.73	1720.53	0.38	1719.62	0.66	1725.14	0.94	1723.87	0.90	1726.45	0.93	1726.06	0.60	1727.90
05/15/18	2.5	1709.57	1.2	1715.34	0.58	1713.07	0.89	1713.99	1.2	1716.02	1.0	1719.43	1.1	1719.11	0.72	1707.08
05/16/18	2.6	1715.65	1.2	1709.47	0.54	1710.72	0.95	1715.43	1.2	1716.22	1.1	1718.57	1.4	1718.37	0.84	1719.05
05/17/18	2.7	1713.13	1.1	1709.45	0.53	1710.62	0.99	1713.77	1.4	1713.92	1.2	1716.45	1.5	1714.40	0.86	1707.53
05/18/18	2.4	1717.23	1.1	1709.33	0.52	1711.40	1.0	1709.58	1.2	1717.41	0.16	1724.45	1.5	1714.67	0.52	1722.96
05/19/18	2.5	1715.91	1.0	1710.68	0.50	1710.77	0.87	1717.06	1.3	1715.70	1.2	1716.80	1.6	1712.66	0.66	1712.61
05/20/18	2.7	1713.58	1.0	1712.34	0.49	1710.64	0.77	1715.12	1.3	1714.49	1.2	1716.27	1.6	1712.19	0.56	1706.62
05/21/18	2.7	1711.46	1.0	1710.49	0.48	1710.71	0.76	1717.63	1.3	1714.84	1.2	1716.60	1.6	1712.36	0.52	1712.78
05/22/18	2.6	1711.44	0.97	1711.41	0.48	1710.74	0.96	1713.22	1.3	1714.27	1.3	1715.57	1.6	1712.59	0.00	1725.72
05/23/18	2.6	1711.49	0.96	1711.61	0.48	1710.72	0.95	1713.44	1.3	1713.94	1.2	1716.16	1.5	1713.78	0.02	1722.43
05/24/18	2.6	1711.53	1.0	1709.56	0.49	1710.85	0.93	1714.13	1.3	1713.82	1.3	1716.37	1.5	1713.81	0.53	1709.73
05/25/18	2.5	1713.07	1.0	1709.79	0.49	1710.70	0.93	1714.18	1.3	1714.74	1.3	1715.93	1.5	1711.20	0.51	1707.86
05/26/18	2.5	1713.33	1.0	1709.48	0.48	1712.49	0.90	1714.07	1.3	1714.60	1.2	1715.30	1.4	1714.26	0.49	1708.19
05/27/18	2.6	1714.18	1.1	1710.68	0.48	1710.40	0.93	1713.52	1.3	1713.49	1.3	1713.97	1.5	1712.69	0.52	1706.42
05/28/18	2.5	1711.21	1.1	1709.30	0.46	1710.27	0.91	1713.40	1.3	1712.82	1.3	1714.07	1.5	1713.86	0.50	1707.07
05/29/18	2.5	1711.72	0.97	1711.96	0.46	1710.72	0.93	1713.90	1.3	1713.58	1.3	1715.21	1.5	1714.41	0.42	1715.52
05/30/18	2.5	1711.53	1.0	1710.46	0.46	1710.86	0.92	1713.87	1.3	1713.44	1.3	1714.25	1.4	1714.60	0.47	1712.92
05/31/18	2.4	1711.44	1.0	1710.46	0.45	1710.82	0.90	1713.97	1.3	1713.54	1.3	1714.75	1.4	1714.90	0.41	1715.64
Monthly Average	2.5	1714.12	1.0	1711.22	0.54	1711.73	0.92	1714.47	1.3	1714.97	1.2	1716.68	1.4	1715.45	0.57	1715.07
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	690	5/17/2018	1,700	5/17/2018	1,100	5/17/2018	240	5/17/2018	580	5/17/2018	890	5/17/2018	1,300	5/17/2018	2,600	5/17/2018
Hexavalent Chromium	0.036	5/17/2018	0.10	5/17/2018	0.24	5/17/2018	0.033	5/17/2018	0.026	5/17/2018	0.022	5/17/2018	0.024	5/17/2018	0.062	5/17/2018
Total Chromium	0.038	5/17/2018	0.11	5/17/2018	0.26	5/17/2018	0.038	5/17/2018	0.029	5/17/2018	0.024	5/17/2018	0.025	5/17/2018	0.068	5/17/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: From 05/04-05/07, E1-3 pump was restarted daily due to instrument error.
 3: Duplicates taken on 05/17 for well E2-4; average of both values is presented for calculation purposes.

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.

Figure 2 - FBR Equivalent Loading Calculation

