

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)	
04/01/19	627	167	1536.34	86	1540.38	130	1541.72	111	1537.36	71	1545.90	101	1547.19	50	1548.26	20	1549.30	9.8	1521.54	
04/02/19	628	168	1536.31	86	1540.09	131	1541.69	111	1537.34	71	1545.89	101	1547.18	50	1548.24	20	1549.28	9.8	1521.96	
04/03/19	636	164	1536.29	84	1540.36	129	1541.68	109	1537.31	69	1545.88	99	1547.16	49	1548.23	19	1549.29	9.6	1521.42	
04/04/19	628	166	1536.27	85	1540.50	130	1541.67	110	1537.30	70	1545.88	101	1547.15	50	1548.21	19	1549.25	9.7	1521.43	
04/05/19	628	167	1536.26	86	1541.00	131	1541.66	110	1537.29	70	1545.86	101	1547.14	50	1548.19	19	1549.23	9.7	1521.39	
04/06/19	625	166	1536.23	85	1540.60	129	1541.63	110	1537.26	71	1545.83	100	1547.11	50	1548.17	19	1549.21	9.7	1521.38	
04/07/19	625	167	1536.22	84	1540.48	130	1541.62	110	1537.25	70	1545.84	100	1547.10	50	1548.16	19	1549.20	9.7	1521.29	
04/08/19	625	167	1536.21	85	1541.17	130	1541.62	110	1537.24	70	1545.83	100	1547.10	50	1548.16	19	1549.20	9.7	1521.62	
04/09/19	627	165	1536.19	84	1541.33	129	1541.60	110	1537.22	70	1545.81	100	1547.07	50	1548.14	19	1549.18	9.6	1521.90	
04/10/19	637	167	1536.17	85	1540.72	130	1541.58	111	1537.20	71	1545.80	101	1547.06	50	1548.12	19	1549.16	9.7	1521.71	
04/11/19	629	170	1536.17	86	1541.11	133	1541.57	112	1537.20	71	1545.82	103	1547.06	51	1548.12	20	1549.16	9.9	1521.97	
04/12/19	629	167	1536.15	85	1540.89	130	1541.56	110	1537.18	70	1545.79	101	1547.04	50	1548.10	19	1549.14	9.0	1521.31	
04/13/19	625	167	1536.14	84	1540.58	130	1541.55	110	1537.17	70	1545.79	101	1547.03	49	1548.09	19	1549.13	9.7	1521.40	
04/14/19	624	164	1536.13	83	1541.03	128	1541.54	109	1537.16	69	1545.78	98	1547.02	49	1548.09	18	1549.12	9.6	1521.94	
04/15/19	625	165	1536.12	84	1540.86	130	1541.53	110	1537.15	70	1545.79	101	1547.01	50	1548.07	19	1549.11	9.7	1521.32	
04/16/19	627	167	1536.10	84	1540.65	131	1541.51	111	1537.13	71	1545.76	101	1546.99	50	1548.06	20	1549.10	9.8	1521.12	
04/17/19	626	166	1536.09	83	1540.81	129	1541.49	109	1537.12	70	1545.74	100	1546.98	50	1548.05	19	1549.08	9.0	1521.10	
04/18/19	626	168	1536.08	84	1540.96	131	1541.50	111	1537.12	71	1545.76	101	1546.98	50	1548.04	20	1549.08	9.8	1521.19	
04/19/19	625	165	1536.07	82	1540.91	129	1541.49	109	1537.10	70	1545.75	100	1546.97	49	1548.04	19	1549.07	9.6	1521.66	
04/20/19	620	169	1536.06	85	1540.65	132	1541.48	111	1537.09	71	1545.75	101	1546.96	51	1548.03	20	1549.06	9.8	1522.00	
04/21/19	619	167	1536.03	84	1541.13	131	1541.45	111	1537.07	70	1545.72	101	1546.94	50	1548.01	19	1549.05	9.7	1521.36	
04/22/19	620	167	1536.03	85	1541.03	131	1541.48	111	1537.07	71	1545.72	101	1546.94	50	1548.00	19	1549.04	9.8	1520.96	
04/23/19	616	166	1536.01	83	1540.81	130	1541.47	110	1537.05	70	1545.70	101	1546.92	50	1547.99	19	1549.02	9.7	1521.66	
04/24/19	624	167	1536.00	84	1540.97	131	1541.46	111	1537.04	70	1545.72	101	1546.92	50	1547.98	19	1549.02	9.7	1521.12	
04/25/19	617	166	1535.99	83	1541.20	130	1541.45	110	1537.04	70	1545.71	101	1546.91	50	1547.97	19	1549.00	9.7	1521.47	
04/26/19	618	167	1535.97	83	1540.67	131	1541.44	110	1537.02	71	1545.68	100	1546.90	50	1547.96	19	1549.00	9.0	1521.73	
04/27/19	615	167	1535.97	83	1541.34	130	1541.43	110	1537.02	70	1545.69	101	1546.89	50	1547.96	19	1548.99	9.7	1521.13	
04/28/19	616	169	1535.95	83	1540.23	131	1541.42	111	1537.00	71	1545.68	101	1546.88	50	1547.94	19	1548.98	9.8	1521.13	
04/29/19	616	168	1535.98	83	1540.02	130	1541.43	111	1537.03	70	1545.69	101	1546.89	50	1547.96	19	1548.99	9.8	1521.37	
04/30/19	620	167	1535.97	83	1540.68	130	1541.43	110	1537.01	70	1545.71	101	1546.89	50	1547.96	19	1548.99	9.0	1521.06	
Monthly Average	624	167	1536.12	84	1540.77	130	1541.54	110	1537.15	70	1545.78	101	1547.01	50	1548.08	19	1549.11	10	1521.45	
Analytical	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
Perchlorate	13	4/11/2019	17	4/11/2019	6.9	4/11/2019	7.5	4/11/2019	2.6	4/11/2019	0.40	4/11/2019	0.055	4/11/2019	0.091	4/11/2019	0.75	4/11/2019		
Hexavalent Chromium	0.0050	4/11/2019	0.00043	4/11/2019	ND	4/11/2019	0.0050	4/11/2019	ND	4/11/2019	ND	4/11/2019	ND	4/11/2019	ND	4/11/2019	0.00027	4/11/2019		
Total Chromium	0.0052	4/11/2019	0.0045	4/11/2019	ND	4/11/2019	0.0055	4/11/2019	ND	4/11/2019	ND	4/11/2019	ND	4/11/2019	ND	4/11/2019	ND	4/11/2019		

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 04/01, 04/08, 04/15, 04/22, and 04/29, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: Duplicates taken on 04/11 for well PC-120; 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 (gpm)	Water Elevation (ft amsl)
04/01/19	395	38	1582.67	149	1581.79	18	1580.57	2.8	1579.22	57	1580.62	18	1584.27	176	1582.65	1.5	1576.31
04/02/19	395	38	1582.67	150	1581.78	18	1580.57	2.8	1579.22	58	1580.46	18	1584.24	176	1582.65	1.5	1576.30
04/03/19	395	38	1582.66	150	1581.78	18	1580.57	2.7	1579.22	57	1580.37	18	1584.24	176	1582.64	1.5	1576.30
04/04/19	395	38	1582.65	150	1581.77	18	1580.56	2.1	1579.22	57	1580.25	18	1584.21	176	1582.64	1.5	1576.30
04/05/19	394	38	1582.65	150	1581.77	18	1580.56	2.8	1579.22	57	1580.13	18	1584.21	176	1582.63	1.5	1576.30
04/06/19	393	39	1582.65	149	1581.76	19	1580.56	2.8	1579.22	57	1580.01	18	1584.21	176	1582.63	1.5	1576.30
04/07/19	393	38	1582.64	148	1581.76	18	1580.56	2.8	1579.22	57	1579.94	17	1584.19	176	1582.63	1.5	1576.30
04/08/19	393	39	1582.65	149	1581.76	19	1580.56	2.8	1579.22	57	1579.85	18	1584.20	176	1582.63	1.5	1576.30
04/09/19	394	39	1582.65	150	1581.85	18	1580.54	2.8	1579.22	57	1579.83	18	1584.16	176	1582.61	1.5	1576.30
04/10/19	395	38	1582.63	149	1581.85	17	1580.54	2.8	1579.21	57	1579.69	18	1584.16	177	1582.60	1.5	1576.30
04/11/19	389	38	1582.63	150	1581.85	18	1580.54	2.1	1579.21	45	1580.78	18	1584.24	176	1582.61	1.5	1576.27
04/12/19	396	38	1582.62	149	1581.84	17	1580.53	2.8	1579.21	57	1580.11	18	1584.16	176	1582.60	1.5	1576.27
04/13/19	396	38	1582.63	149	1581.84	18	1580.54	2.8	1579.21	57	1579.87	18	1584.16	176	1582.60	1.5	1576.27
04/14/19	396	39	1582.63	149	1581.85	18	1580.54	2.7	1579.21	57	1579.71	18	1584.14	176	1582.61	1.5	1576.27
04/15/19	396	39	1582.63	149	1581.85	18	1580.54	2.8	1579.21	57	1579.64	18	1584.14	176	1582.61	1.5	1576.27
04/16/19	395	38	1582.63	149	1581.84	18	1580.54	2.8	1579.21	57	1579.58	18	1584.11	176	1582.61	1.5	1576.27
04/17/19	394	38	1582.63	149	1581.85	17	1580.54	2.1	1579.21	57	1579.42	18	1584.03	176	1582.61	1.5	1576.27
04/18/19	394	38	1582.64	149	1581.85	18	1580.55	2.8	1579.21	57	1579.40	17	1584.12	176	1582.62	1.5	1576.27
04/19/19	395	38	1582.64	150	1581.86	18	1580.55	2.7	1579.21	57	1579.24	19	1584.12	175	1582.62	1.5	1576.27
04/20/19	395	38	1582.64	148	1581.86	18	1580.55	2.8	1579.21	56	1579.27	18	1584.13	176	1582.62	1.5	1576.27
04/21/19	394	39	1582.64	149	1581.86	18	1580.55	2.1	1579.21	57	1579.10	18	1584.12	176	1582.62	1.5	1576.27
04/22/19	395	36	1582.64	148	1581.85	18	1580.55	2.6	1579.21	57	1579.03	18	1584.12	176	1582.62	1.5	1576.27
04/23/19	394	38	1582.64	150	1581.85	18	1580.55	2.1	1579.21	57	1578.93	18	1584.09	175	1582.62	1.5	1576.27
04/24/19	394	38	1582.64	149	1581.86	18	1580.55	2.8	1579.21	57	1578.90	18	1584.12	176	1582.62	1.5	1576.27
04/25/19	393	38	1582.64	150	1581.86	18	1580.55	2.8	1579.21	57	1578.82	18	1584.12	175	1582.62	1.5	1576.27
04/26/19	394	38	1582.65	149	1581.86	18	1580.55	2.8	1579.21	57	1578.79	18	1584.12	175	1582.62	1.5	1576.27
04/27/19	394	39	1582.66	149	1581.86	17	1580.55	2.1	1579.21	56	1578.85	18	1584.12	176	1582.62	1.5	1576.27
04/28/19	394	38	1582.65	148	1581.86	18	1580.55	2.8	1579.21	57	1578.82	18	1584.12	176	1582.62	1.5	1576.27
04/29/19	394	38	1582.64	148	1581.85	18	1580.55	2.4	1579.20	57	1578.92	18	1584.12	176	1582.62	1.5	1576.27
04/30/19	393	38	1582.64	149	1581.84	18	1580.54	2.8	1579.20	56	1579.07	18	1584.12	176	1582.60	1.5	1576.27
Monthly Average	394	38	1582.64	149	1581.83	18	1580.55	2.6	1579.21	57	1579.58	18	1584.15	176	1582.62	1.5	1576.28
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	
Perchlorate	22	4/11/2019	14	4/11/2019	200	4/11/2019	130	4/11/2019	200	4/11/2019	96	4/11/2019	83	4/11/2019	44	4/11/2019	
Hexavalent Chromium	ND	4/11/2019	0.0067	4/11/2019	0.33	4/11/2019	0.16	4/11/2019	0.63	4/11/2019	0.51	4/11/2019	0.091	4/11/2019	0.034	4/11/2019	
Total Chromium	ND	4/11/2019	0.0061	4/11/2019	0.34	4/11/2019	0.16	4/11/2019	0.65	4/11/2019	0.53	4/11/2019	0.096	4/11/2019	0.034	4/11/2019	

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 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).
 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 04/01, 04/08, 04/15, 04/22, and 04/29, 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 04/29, LS #3 offline briefly due to instrument error.
 4: Duplicates taken on 4/11 for well ART-2; average of both values is presented and used for calculations.
 5: On 04/11, ART-9 offline briefly due to maintenance.
 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 04/01-04/30 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
04/01/19	0.21	1723.96	1.1	1708.68	0.00	1720.43	0.00	1723.85	0.00	1737.35	0.62	1709.39	3.4	1709.07	0.93	1720.07	1.3	1708.47	4.4	1716.14
04/02/19	0.20	1723.97	1.1	1708.73	0.00	1720.44	0.00	1723.86	0.00	1737.29	0.63	1709.41	3.4	1709.47	0.94	1720.10	1.3	1708.47	4.4	1716.25
04/03/19	0.20	1723.96	1.1	1708.71	0.00	1720.45	0.00	1723.82	0.00	1737.28	0.63	1709.39	3.5	1709.53	0.94	1720.18	1.3	1708.47	4.4	1716.32
04/04/19	0.20	1723.88	1.1	1708.77	0.00	1720.48	0.00	1723.84	0.00	1737.31	0.63	1709.39	3.4	1709.52	0.94	1720.12	1.3	1708.47	4.3	1716.40
04/05/19	0.21	1723.99	1.1	1708.80	0.00	1720.50	0.00	1723.83	0.00	1737.47	0.63	1709.40	3.4	1709.41	0.95	1720.03	1.3	1708.47	4.4	1716.47
04/06/19	0.20	1723.99	1.1	1708.79	0.00	1720.49	0.00	1723.78	0.00	1737.30	0.64	1709.39	3.4	1709.45	0.97	1720.10	1.3	1708.47	4.4	1716.53
04/07/19	0.20	1724.09	1.1	1708.83	0.00	1720.51	0.00	1723.79	0.00	1737.24	0.61	1709.40	3.4	1709.48	0.99	1720.08	1.3	1708.47	4.5	1716.59
04/08/19	0.20	1724.18	1.1	1708.89	0.00	1720.54	0.00	1723.84	0.00	1737.19	0.63	1709.40	3.4	1709.80	0.98	1720.05	1.4	1708.48	4.4	1716.66
04/09/19	0.20	1724.14	1.1	1708.86	0.00	1720.53	0.00	1723.82	0.00	1737.25	0.56	1709.40	3.4	1709.83	0.96	1720.08	1.3	1708.47	4.4	1716.71
04/10/19	0.20	1724.16	1.1	1708.86	0.00	1720.54	0.00	1723.78	0.00	1737.48	0.64	1709.39	3.4	1709.85	0.96	1720.07	1.3	1708.47	4.4	1716.76
04/11/19	0.20	1724.21	1.1	1708.94	0.00	1720.57	0.00	1723.83	0.00	1737.60	0.65	1709.40	3.4	1709.82	0.93	1720.02	1.3	1708.67	4.4	1716.84
04/12/19	0.20	1724.18	1.1	1708.97	0.00	1720.56	0.00	1723.79	0.00	1737.64	0.65	1709.41	3.4	1709.73	0.93	1720.06	1.3	1708.76	4.4	1716.89
04/13/19	0.20	1724.20	1.1	1709.03	0.00	1720.59	0.00	1723.79	0.00	1737.62	0.65	1709.41	3.4	1709.78	0.93	1720.08	1.3	1709.01	4.4	1716.94
04/14/19	0.20	1724.18	1.1	1709.12	0.00	1720.61	0.00	1723.83	0.00	1737.66	0.55	1709.83	3.4	1709.83	0.94	1720.01	1.3	1709.31	4.5	1716.99
04/15/19	0.20	1724.17	1.1	1709.07	0.00	1720.61	0.00	1723.84	0.00	1737.64	0.65	1709.74	3.4	1709.82	0.94	1720.03	1.4	1711.35	4.4	1717.03
04/16/19	0.20	1724.27	1.1	1709.10	0.00	1720.61	0.02	1724.61	0.04	1737.49	0.63	1709.73	3.4	1709.78	0.93	1720.02	1.3	1711.02	4.4	1717.06
04/17/19	0.20	1724.27	1.1	1709.13	0.00	1720.62	0.00	1724.45	0.00	1737.67	0.62	1709.73	3.5	1710.51	0.93	1720.29	1.3	1711.33	4.4	1717.10
04/18/19	0.20	1724.34	1.1	1709.20	0.02	1720.66	0.00	1724.38	0.00	1737.73	0.58	1709.73	3.4	1710.39	0.97	1720.40	1.3	1711.53	4.4	1717.13
04/19/19	0.19	1724.36	1.1	1709.26	0.00	1720.68	0.00	1724.37	0.00	1737.74	0.50	1709.74	3.4	1710.32	1.0	1720.53	1.3	1711.62	4.4	1717.17
04/20/19	0.19	1724.34	1.1	1709.25	0.00	1720.68	0.00	1724.30	0.00	1737.64	0.48	1709.74	3.4	1709.87	1.0	1720.41	1.3	1711.73	4.4	1717.20
04/21/19	0.19	1724.29	1.1	1709.26	0.00	1720.67	0.00	1724.18	0.00	1737.84	0.51	1709.74	3.4	1710.15	1.0	1720.36	1.3	1711.71	4.5	1717.21
04/22/19	0.19	1724.19	1.1	1709.37	0.00	1720.68	0.00	1724.16	0.00	1737.46	0.50	1709.74	3.4	1709.95	1.0	1720.49	1.4	1711.87	4.5	1717.24
04/23/19	0.19	1724.21	1.1	1709.47	0.00	1720.69	0.00	1724.15	0.00	1737.33	0.58	1709.74	3.4	1710.25	1.0	1720.37	1.3	1711.95	4.4	1717.27
04/24/19	0.19	1724.24	1.1	1709.53	0.00	1720.70	0.00	1724.16	0.00	1737.31	0.49	1709.75	3.4	1710.05	1.0	1720.44	1.3	1712.07	4.4	1717.29
04/25/19	0.19	1724.15	1.1	1709.48	0.00	1720.71	0.00	1724.15	0.00	1737.57	0.45	1709.74	3.4	1710.92	0.99	1720.60	1.3	1712.02	4.4	1717.30
04/26/19	0.19	1724.13	1.1	1709.50	0.00	1720.72	0.00	1724.15	0.00	1737.76	0.46	1709.75	3.3	1710.28	0.97	1720.54	1.3	1711.73	4.4	1717.24
04/27/19	0.19	1724.12	1.1	1709.54	0.00	1720.73	0.00	1724.14	0.00	1737.78	0.50	1709.75	3.3	1710.83	0.97	1720.86	1.3	1711.63	4.4	1717.21
04/28/19	0.16	1723.83	1.1	1709.50	0.00	1720.73	0.00	1724.13	0.00	1737.62	0.62	1709.75	3.4	1710.86	0.94	1720.72	1.3	1711.62	4.5	1717.20
04/29/19	0.16	1723.81	1.1	1709.59	0.00	1720.73	0.00	1724.02	0.00	1737.74	0.56	1709.75	3.4	1710.93	0.96	1720.88	1.4	1711.59	4.4	1717.19
04/30/19	0.17	1723.84	1.1	1709.62	0.00	1720.73	0.00	1724.04	0.00	1737.77	0.62	1709.75	3.5	1710.87	0.95	1720.77	1.4	1711.62	4.4	1717.18
Monthly Average	0.19	1724.12	1.1	1709.13	0.00	1720.61	0.00	1724.02	0.00	1737.53	0.58	1709.60	3.4	1710.01	0.96	1720.29	1.3	1710.23	4.4	1716.92
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	Conc (mg/L)	Date
Perchlorate	690	4/18/2019	54	4/18/2019	170	4/18/2019	260	4/16/2018	140	4/16/2018	260	4/18/2019	520	4/17/2019	480	4/17/2019	460	4/17/2019	620	4/17/2019
Hexavalent Chromium	0.30	4/18/2019	0.054	4/18/2019	0.020	4/18/2019	2.3	4/16/2018	1.3	4/16/2018	0.12	4/18/2019	2.6	4/17/2019	4.5	4/17/2019	6.1	4/17/2019	12	4/17/2019
Total Chromium	5.5	4/18/2019	0.060	4/18/2019	0.022	4/18/2019	2.2	4/16/2018	1.3	4/16/2018	0.29	4/18/2019	2.6	4/17/2019	4.3	4/17/2019	6.1	4/17/2019	13	4/17/2019

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 04/01, 04/08, 04/15, 04/22, and 04/29, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 04/28, I-AR adjusted to meet flow target as directed by the Trust.
 4: Duplicates taken on 04/18 for well I-AA; average of both values is presented and used for calculations.
 5: On 04/14, I-B offline briefly due to pump and motor replacement.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-P			
	Flow (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)		
04/01/19	0.11	1714.99	1.1	1709.29	5.2	1721.16	6.2	1712.03	3.5	1709.99	1.0	1717.38	2.1	1718.69	2.7	1717.25	1.6	1718.68	1.5	1719.18
04/02/19	0.10	1715.09	1.1	1709.27	4.4	1721.17	6.2	1712.03	3.5	1709.26	1.0	1717.35	2.1	1718.69	2.6	1717.32	1.6	1718.60	1.5	1719.20
04/03/19	0.10	1715.15	1.1	1709.36	5.1	1721.15	6.2	1712.03	3.5	1710.24	1.0	1717.44	2.1	1718.72	2.6	1717.39	1.6	1718.61	1.5	1719.19
04/04/19	0.10	1715.26	1.1	1709.24	5.2	1721.16	6.2	1712.03	3.5	1709.15	1.0	1717.56	2.1	1718.74	2.6	1717.45	1.6	1718.58	1.5	1719.20
04/05/19	0.10	1715.21	1.1	1709.34	5.2	1721.16	6.3	1712.03	3.5	1709.69	1.0	1717.74	2.0	1718.88	2.6	1717.52	1.6	1718.64	1.5	1719.20
04/06/19	0.10	1714.89	1.1	1709.25	5.2	1721.13	6.2	1712.02	3.5	1709.42	0.99	1717.75	2.0	1718.91	2.6	1717.54	1.6	1718.71	1.5	1719.18
04/07/19	0.11	1714.82	1.1	1709.30	5.2	1721.12	6.2	1712.03	3.5	1710.34	0.95	1718.07	2.0	1718.94	2.6	1717.58	1.5	1718.76	1.5	1719.18
04/08/19	0.11	1714.97	1.1	1709.00	5.2	1721.16	6.2	1712.03	3.5	1709.51	0.98	1718.25	2.0	1718.97	2.6	1717.64	1.6	1719.54	1.5	1719.22
04/09/19	0.10	1714.99	1.1	1709.30	5.1	1721.15	6.2	1712.02	3.5	1709.95	0.91	1718.38	2.0	1719.21	2.5	1717.69	1.3	1719.56	1.5	1719.23
04/10/19	0.10	1715.00	1.1	1709.23	5.2	1721.13	6.2	1712.02	3.5	1709.93	0.90	1718.47	1.9	1719.26	2.4	1717.87	1.6	1719.47	1.5	1719.21
04/11/19	0.10	1715.10	1.1	1709.27	5.2	1721.17	6.2	1712.02	3.5	1710.02	0.90	1718.49	1.9	1719.34	2.4	1717.95	1.6	1719.57	1.5	1719.25
04/12/19	0.10	1714.97	1.1	1709.31	5.2	1721.15	6.3	1712.02	3.5	1709.43	0.88	1718.54	1.9	1719.37	2.4	1717.99	1.6	1719.51	1.5	1719.23
04/13/19	0.10	1715.07	1.1	1709.27	5.2	1721.14	6.2	1712.02	3.5	1709.21	0.89	1718.58	1.8	1719.42	2.3	1718.03	1.6	1719.48	1.5	1719.22
04/14/19	0.11	1714.73	1.1	1709.33	5.2	1721.17	6.2	1712.03	3.5	1710.11	0.88	1718.68	1.9	1719.46	2.4	1718.07	1.6	1719.57	1.5	1719.24
04/15/19	0.11	1714.76	1.2	1709.32	5.2	1721.17	6.2	1712.03	3.5	1709.23	0.89	1718.78	1.8	1719.48	2.4	1718.09	1.6	1719.59	1.5	1719.23
04/16/19	0.11	1714.63	1.1	1709.27	5.2	1721.13	6.2	1712.02	3.5	1709.45	0.86	1718.78	1.8	1719.53	2.4	1718.12	1.7	1719.43	1.5	1719.17
04/17/19	0.11	1714.96	1.1	1709.19	5.2	1721.12	6.2	1712.03	3.5	1709.66	0.87	1718.73	1.8	1719.49	2.4	1718.12	1.6	1719.35	1.5	1719.12
04/18/19	0.11	1715.03	1.1	1709.23	5.2	1721.13	6.2	1712.03	3.5	1710.09	0.90	1718.63	1.9	1719.54	2.5	1718.14	1.6	1719.38	1.5	1719.16
04/19/19	0.11	1715.25	1.1	1709.24	5.2	1721.17	6.2	1712.03	3.5	1709.88	0.90	1718.69	1.8	1719.57	2.5	1718.16	1.5	1719.48	1.5	1719.22
04/20/19	0.10	1715.44	1.1	1709.36	5.2	1721.18	6.3	1712.02	3.5	1709.20	0.90	1718.63	1.8	1719.59	2.5	1718.18	1.6	1719.56	1.5	1719.23
04/21/19	0.10	1715.26	1.1	1709.28	5.2	1721.14	6.2	1712.02	3.5	1710.25	0.90	1718.70	1.8	1719.61	2.5	1718.19	1.6	1719.44	1.5	1719.19
04/22/19	0.10	1715.37	1.1	1709.33	5.2	1721.15	6.3	1712.02	3.5	1710.12	0.90	1718.59	1.8	1719.64	2.5	1718.21	1.6	1719.44	1.5	1719.20
04/23/19	0.10	1715.40	1.1	1709.36	5.2	1721.15	6.2	1712.02	3.5	1709.43	0.92	1718.50	1.8	1719.68	2.4	1718.22	1.6	1719.45	1.5	1719.21
04/24/19	0.10	1715.50	1.1	1709.28	5.2	1721.16	6.2	1712.02	3.5	1709.18	0.92	1718.52	1.8	1719.71	2.4	1718.24	1.6	1719.47	1.5	1719.19
04/25/19	0.10	1715.56	1.1	1709.38	5.2	1721.16	6.2	1712.02	3.5	1709.18	0.93	1718.49	1.8	1719.74	2.6	1717.45	1.6	1719.46	1.5	1719.19
04/26/19	0.10	1715.63	1.1	1709.33	5.2	1721.17	6.2	1712.02	3.5	1709.25	0.94	1718.41	1.8	1719.76	3.3	1717.22	1.6	1719.46	1.5	1719.21
04/27/19	0.10	1715.65	1.1	1709.37	5.2	1721.18	6.2	1712.02	3.5	1710.59	0.94	1718.56	1.8	1719.77	3.3	1717.17	1.4	1719.48	1.4	1719.24
04/28/19	0.10	1715.68	1.1	1709.29	5.2	1721.18	6.3	1712.02	3.5	1709.34	0.94	1718.52	1.8	1719.78	3.3	1717.20	1.3	1719.51	1.5	1719.24
04/29/19	0.10	1715.83	1.1	1709.22	5.2	1721.17	6.3	1712.01	3.5	1710.51	0.94	1718.69	1.8	1719.80	3.3	1717.19	1.4	1719.44	1.5	1719.22
04/30/19	0.10	1715.78	1.2	1709.34	5.2	1721.16	6.2	1712.01	3.5	1709.28	0.90	1718.68	1.8	1719.84	3.2	1717.15	1.7	1719.44	1.5	1719.24
Monthly Average	0.10	1715.20	1.1	1709.29	5.1	1721.15	6.2	1712.02	3.5	1709.70	0.93	1718.35	1.9	1719.37	2.6	1717.74	1.6	1719.29	1.5	1719.21
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	Conc (mg/L)	Date
Perchlorate	1,400	4/17/2019	1,000	4/17/2019	770	4/16/2019	290	4/16/2019	220	4/16/2019	310	4/18/2019	740	4/17/2019	480	4/17/2019	780	4/17/2019	950	4/17/2019
Hexavalent Chromium	18	4/17/2019	15	4/17/2019	9.7	4/16/2019	4.0	4/16/2019	2.4	4/16/2019	0.60	4/18/2019	5.8	4/17/2019	6.0	4/17/2019	15	4/17/2019	14	4/17/2019
Total Chromium	21	4/17/2019	17	4/17/2019	9.0	4/16/2019	4.1	4/16/2019	2.3	4/16/2019	0.84	4/18/2019	5.7	4/17/2019	6.0	4/17/2019	16	4/17/2019	15	4/17/2019

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 04/01, 04/08, 04/15, 04/22, and 04/29, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 6: On 04/25, I-N adjusted to meet flow target as directed by the Trust.

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 (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)		
04/01/19	0.39	1715.50	0.98	1716.56	2.8	1705.78	0.48	1707.80	0.59	1713.07	4.4	1718.20	0.71	1700.44	3.6	1698.13	1.4	1710.87	7.3	< 1707.89
04/02/19	0.38	1715.77	0.96	1716.57	2.9	1705.74	0.48	1707.79	0.59	1713.04	4.3	1718.22	0.71	1700.47	3.7	1698.14	1.4	1711.17	7.4	< 1707.89
04/03/19	0.38	1715.74	0.96	1716.61	2.9	1705.77	0.48	1707.79	0.54	1714.72	4.3	1718.17	0.71	1700.51	3.7	1698.14	1.4	1711.29	7.3	< 1707.89
04/04/19	0.38	1715.73	0.96	1716.64	2.9	1705.76	0.48	1707.79	0.48	1714.79	4.3	1718.18	0.71	1700.52	3.7	1698.14	1.4	1711.27	7.3	< 1707.89
04/05/19	0.38	1715.85	0.97	1716.62	2.9	1705.74	0.48	1707.79	0.48	1714.88	4.3	1718.18	0.71	1700.49	3.7	1698.13	1.4	1711.31	7.3	< 1707.89
04/06/19	0.37	1716.02	0.97	1716.63	3.0	1705.78	0.48	1707.80	0.48	1714.91	4.4	1718.10	0.71	1700.45	3.8	1698.15	1.4	1711.20	7.3	< 1707.89
04/07/19	0.36	1716.13	0.95	1716.67	3.0	1705.74	0.48	1707.79	0.47	1714.85	4.5	1718.08	0.70	1700.47	3.8	1698.17	1.4	1711.28	7.3	< 1707.89
04/08/19	0.37	1716.24	0.96	1716.72	3.0	1705.74	0.48	1707.81	0.48	1714.65	4.4	1718.15	0.71	1700.25	3.8	1698.15	1.4	1711.72	7.3	< 1707.89
04/09/19	0.36	1716.35	0.92	1716.83	3.0	1705.76	0.49	1707.79	0.50	1714.70	4.4	1718.15	0.66	1700.33	3.8	1698.13	1.4	1711.66	7.4	< 1707.89
04/10/19	0.35	1716.38	0.93	1716.82	3.1	1705.78	0.48	1707.79	0.49	1714.76	4.4	1718.10	0.70	1700.32	3.8	1698.13	1.4	1711.65	7.3	< 1707.89
04/11/19	0.35	1716.50	0.94	1716.85	3.1	1705.77	0.49	1707.80	0.48	1714.87	4.3	1718.18	0.70	1700.23	3.9	1698.13	1.4	1711.67	7.3	< 1707.89
04/12/19	0.35	1716.52	0.94	1716.90	3.1	1705.75	0.49	1707.80	0.48	1714.84	4.3	1718.14	0.70	1700.27	3.9	1698.14	1.4	1711.68	7.3	< 1707.89
04/13/19	0.35	1716.56	0.92	1716.97	3.1	1705.77	0.48	1707.80	0.48	1714.88	4.4	1718.11	0.70	1700.23	3.9	1698.13	1.4	1711.71	7.3	< 1707.89
04/14/19	0.34	1716.64	0.92	1717.02	3.1	1705.75	0.49	1707.81	0.47	1715.07	4.5	1718.18	0.70	1700.25	4.0	1698.15	1.4	1711.66	7.3	< 1707.89
04/15/19	0.35	1716.66	0.92	1716.93	3.1	1705.75	0.49	1707.80	0.48	1715.10	4.4	1718.17	0.70	1700.24	3.9	1698.13	1.4	1711.66	7.3	< 1707.89
04/16/19	0.34	1716.68	0.93	1716.93	3.2	1705.75	0.49	1707.79	0.47	1715.07	4.4	1718.07	0.70	1700.23	4.0	1698.14	1.4	1711.69	7.3	< 1707.89
04/17/19	0.35	1716.50	0.93	1716.94	3.2	1705.75	0.49	1707.80	0.47	1715.03	4.4	1718.01	0.67	1700.41	4.0	1698.15	1.4	1711.64	7.3	< 1707.89
04/18/19	0.36	1716.56	0.92	1717.01	3.2	1705.73	0.49	1707.80	0.47	1715.14	4.3	1718.05	0.70	1700.45	4.0	1698.14	1.4	1712.37	7.3	< 1707.89
04/19/19	0.35	1716.63	0.83	1717.00	3.3	1705.77	0.49	1707.79	0.47	1715.28	4.3	1718.14	0.70	1700.43	4.0	1698.14	1.4	1712.58	7.3	< 1707.89
04/20/19	0.35	1716.67	0.76	1717.00	3.3	1705.74	0.49	1707.82	0.46	1715.27	4.4	1718.18	0.70	1700.25	4.1	1698.15	1.4	1712.53	7.3	< 1707.89
04/21/19	0.35	1716.66	0.87	1716.96	3.3	1705.77	0.49	1707.81	0.47	1715.16	4.5	1718.09	0.70	1700.27	4.1	1698.13	1.4	1712.57	7.3	< 1707.89
04/22/19	0.35	1716.69	0.83	1716.96	3.3	1705.73	0.49	1707.82	0.47	1715.20	4.4	1718.10	0.70	1700.38	4.1	1698.14	1.4	1712.61	7.3	< 1707.89
04/23/19	0.42	1716.77	0.92	1716.98	3.3	1705.75	0.49	1707.82	0.47	1715.19	4.4	1718.10	0.70	1700.25	4.1	1698.13	1.4	1712.66	7.3	< 1707.89
04/24/19	0.27	1716.80	0.84	1716.96	3.3	1705.73	0.49	1707.82	0.47	1715.29	4.4	1718.12	0.65	1700.34	4.1	1698.13	1.4	1712.60	7.3	< 1707.89
04/25/19	0.34	1716.84	0.77	1716.93	3.3	1705.73	0.49	1707.82	0.46	1715.32	4.3	1718.12	0.56	1700.43	4.1	1698.14	1.4	1712.44	7.2	< 1707.89
04/26/19	0.34	1716.85	0.83	1716.93	3.3	1705.74	0.49	1707.80	0.46	1715.35	4.3	1718.15	0.56	1700.34	4.1	1698.14	1.4	1712.65	6.9	< 1707.89
04/27/19	0.34	1716.83	0.80	1716.90	3.3	1705.74	0.49	1707.83	0.46	1715.30	4.4	1718.17	0.62	1700.32	4.0	1698.15	1.4	1712.69	7.0	< 1707.89
04/28/19	0.34	1716.82	0.78	1716.91	3.3	1705.73	0.50	1707.82	0.47	1715.29	4.5	1718.18	0.60	1700.41	4.1	1698.15	1.4	1712.57	7.1	< 1707.89
04/29/19	0.34	1716.79	0.79	1716.89	3.3	1705.73	0.50	1707.80	0.47	1715.36	4.4	1718.14	0.61	1700.44	4.1	1698.14	1.4	1712.60	7.1	< 1707.89
04/30/19	0.34	1716.78	0.96	1716.90	3.3	1705.73	0.49	1707.81	0.46	1715.34	4.4	1718.13	0.69	1700.42	4.0	1698.13	1.4	1712.56	7.3	< 1707.89
Monthly Average	0.35	1716.45	0.90	1716.85	3.1	1705.75	0.49	1707.80	0.48	1714.92	4.4	1718.14	0.68	1700.36	3.9	1698.14	1.4	1711.95	7.3	< 1707.89
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	Conc (mg/L)	Date
Perchlorate	880	4/17/2019	820	4/18/2019	380	4/18/2019	1,400	4/17/2019	1,400	4/17/2019	860	4/16/2018	870	4/17/2019	780	4/17/2019	590	4/18/2019	330	4/16/2018
Hexavalent Chromium	17	4/17/2019	0.44	4/18/2019	0.93	4/18/2019	18	4/17/2019	17	4/17/2019	13	4/16/2018	15	4/17/2019	8.3	4/17/2019	0.66	4/18/2019	8.0	4/16/2018
Total Chromium	17	4/17/2019	0.49	4/18/2019	1.1	4/18/2019	19	4/17/2019	19	4/17/2019	12	4/16/2018	17	4/17/2019	8.9	4/17/2019	0.71	4/18/2019	7.3	4/16/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 04/01, 04/08, 04/15, 04/22, and 04/29, 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.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent ¹				GW-11 Influent ¹				FBR Plant Influent ¹						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₂ (mg/L)	TA - NO ₃ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
04/01/19	942	66				0.00				1,008		42				
04/02/19	941	84				0.00				1,025		69				
04/03/19	949	80	0.093	ND	620	0.00				1,083		74				
04/04/19	940	78				0.00				1,018		75				
04/05/19	939	80				0.00				1,020		75				
04/06/19	939	81				0.00				1,300	88	74				
04/07/19	939	81				0.00				1,023		81				
04/08/19	939	81				0.00				1,053		80	10	0.022	0.019	
04/09/19	940	79				0.00				1,045		83				
04/10/19	949	60	0.17	ND	590	4.5	0.078	0.028	52	1,051		85				
04/11/19	933	58				0.00				1,072		85				
04/12/19	940	59				0.00				1,089		95				
04/13/19	938	59				0.00				1,053	110	94				
04/14/19	939	58				0.00				1,044		96				
04/15/19	939	58				0.00				1,004		95	12	0.028	0.027	
04/16/19	939	58				0.00				998		94				
04/17/19	941	58	0.20	ND	680	0.00				1,006		96				
04/18/19	935	58				0.00				1,053		90				
04/19/19	937	59				0.00				1,076		93				
04/20/19	938	58				0.00				996	95	93				
04/21/19	939	58				0.00				997		95				
04/22/19	939	58				0.00				997		95	9.2	0.034	0.030	
04/23/19	938	58				0.00				1,010		103				
04/24/19	944	59	0.14	ND	690	0.00				1,054		105				
04/25/19	936	59				0.00				995		104				
04/26/19	937	59				0.00				997		102				
04/27/19	938	59				0.00				996	120	107				
04/28/19	936	60				0.00				996		100				
04/29/19	937	59				0.00				1,088		98				
04/30/19	935	59				0.00				994		107	9.5	0.022	0.014	
Monthly Average ²	939	65	0.15	ND	646	0.15	0.078	0.028	52	1,038	102	89	89	9.9	0.025	0.022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.
 ND = Not detected above laboratory method detection limit (ClO₂ = 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 04/01, 04/08, 04/15, 04/22, and 04/29, the LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 4: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 04/01 to 04/30 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.
 5: From 04/01 to 04/30, 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			2nd Stage FBR			FBR Plant Effluent ⁷							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (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)
04/01/19	1,002	6.8	-340	983	7.1	-294	980		ND	0.055 J	0.0044 J	ND	ND	12
04/02/19	989	6.7	-315	879	7.0	-297	962		ND					23
04/03/19	1,059	6.7	-328	779	7.0	-297	1,013		ND					16
04/04/19	971	6.7	-359	869	7.1	-296	898		ND					16
04/05/19	972	6.6	-350	903	7.0	-291	859		ND					16
04/06/19	1,091	6.6	-330	854	7.0	-297	1,047	ND						16
04/07/19	1,109	6.6	-348	853	7.0	-302	1,051		ND					49
04/08/19	1,085	6.8	-343	973	7.1	-297	999		ND		0.0050	ND	ND	22
04/09/19	1,088	6.6	-347	924	6.9	-304	1,062		ND					25
04/10/19	1,130	6.6	-330	862	6.9	-305	1,069		ND					20
04/11/19	1,099	6.9	-234	782	6.8	-265	1,094		ND					15
04/12/19	1,131	6.6	-284	997	6.9	-308	1,052		ND					52
04/13/19	1,116	6.6	-321	822	6.8	-316	1,101	0.035	ND					38
04/14/19	1,097	6.7	-337	895	7.0	-322	1,078		ND					37
04/15/19	1,083	6.6	-314	862	6.9	-323	1,077		ND		0.0054	ND	ND	33
04/16/19	1,112	6.4	-304	926	6.6	-322	1,018		ND					21
04/17/19	1,084	6.5	-321	1,017	6.8	-328	905		ND					53
04/18/19	1,113	6.6	-332	982	7.2	-333	943		ND					48
04/19/19	1,051	6.6	-288	896	6.9	-340	972		ND					36
04/20/19	1,064	6.6	-284	960	6.8	-349	1,052	0.0061	ND					36
04/21/19	1,041	6.5	-284	914	6.7	-352	1,033		ND					32
04/22/19	1,080	6.5	-304	901	6.8	-353	1,035		ND		0.0061	ND	ND	22
04/23/19	1,111	6.5	-283	895	6.7	-351	1,036		ND					29
04/24/19	1,074	6.6	-327	923	6.9	-356	1,071		ND					23
04/25/19	1,058	6.6	-367	924	7.2	-359	1,041		ND					69
04/26/19	1,082	6.7	-360	854	7.0	-333	1,043		ND					33
04/27/19	1,066	6.7	-339	870	6.8	-344	1,050	ND						36
04/28/19	1,085	6.7	-353	906	6.8	-351	1,047		ND					13
04/29/19	1,094	6.5	-378	957	6.6	-345	1,066		ND					27
04/30/19	1,073	6.5	-379	982	6.6	-355	951		ND		0.011	ND	ND	29
Monthly Average ²	1,074	6.6	-326	905	6.9	-323	1,020	0.010	ND	0.055	0.0063	ND	ND	30

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 (ClO₂ = 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)
04/15/19	27.3	40.1
04/30/19	28.0	39.3

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ¹ (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
04/10/19	0	114	933	0
04/24/19	0	927	811	426

GW-11 Composite Sample ²		
Analytes	Concentration	Units
Perchlorate	26	mg/L
Chlorate	98	mg/L
Ammonia as N	0.60	mg/L
Total Phosphorus	1.2	mg/L
Total Dissolved Solids (TDS)	9,000	mg/L
Total Suspended Solids (TSS)	95	mg/L
pH	8.3 HF	s.u.
Calcium	420	mg/L
Iron	1.5	mg/L
Chromium (total)	0.36	mg/L
Chromium VI	0.16	mg/L
Chloride	2,800	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,400	mg/L

Notes:

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

ND = Not detected above laboratory method detection limit (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: February 27, 2019.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics						
Date	Flow ¹ (gpm)	FBR Influent Concentration			Influent Function Load ³ (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO ₄ ² (mg/L)	NO ₃ as N (mg/L)	ClO ₃ (mg/L)		
May 2018	1,044	116	12	150	719	894
June 2018	1,037	133	11	160	765	843
July 2018	1,028	113	11	150	691	788
Aug 2018	1,005	106	11	140	633	711
Sep 2018	1,030	117	10	150	691	687
Oct 2018	1,028	208	10.0	140	867	728
Nov 2018	1,042	262	9.9	130	979	771
Dec 2018	1,046	262	10	140	1,009	811
Jan 2019	1,067	247	10	140	991	861
Feb 2019	1,070	264	9	130	997	922
Mar 2019	1,035	233	10	140	932	962
Apr 2019	1,038	102	10	89	529	906

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.

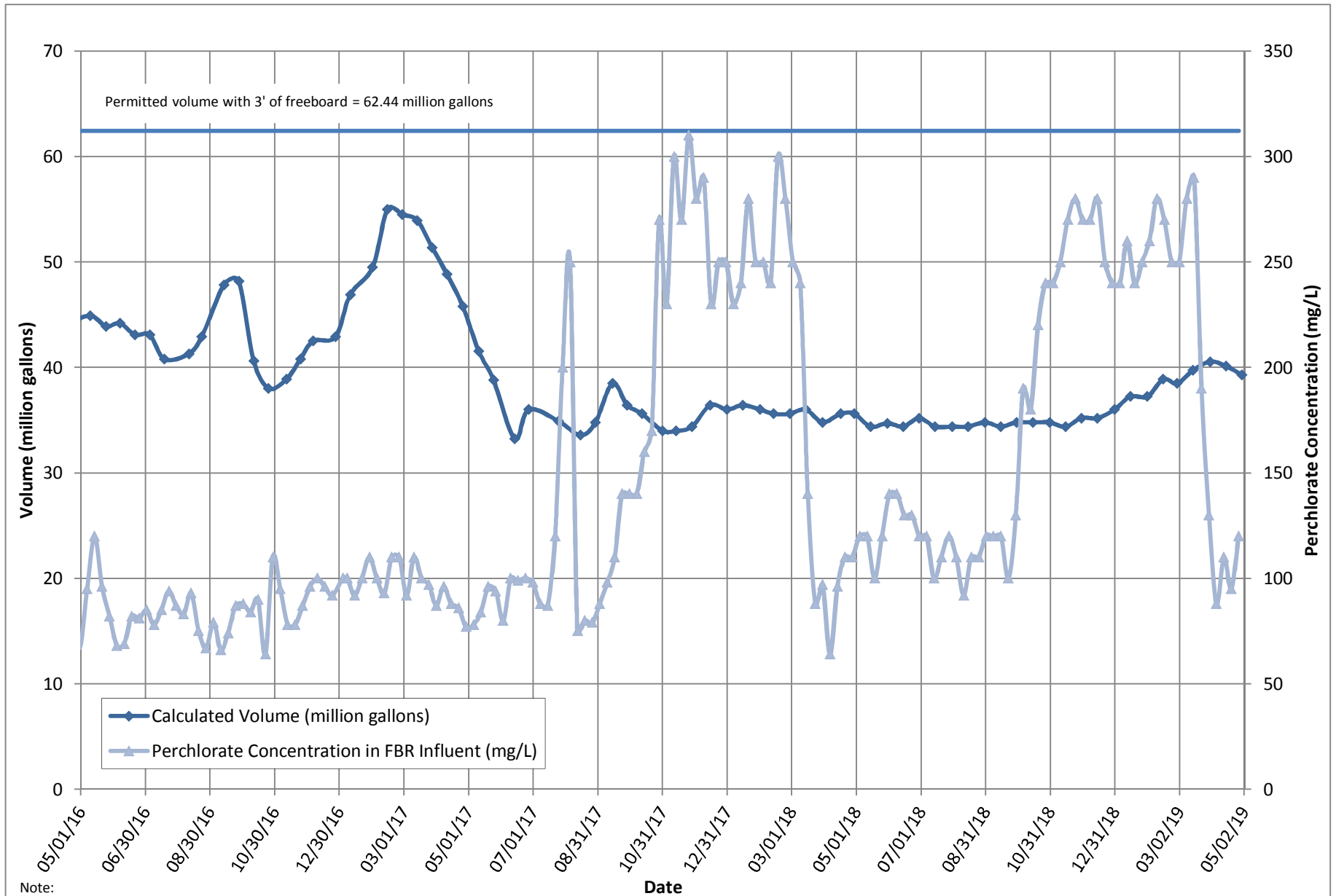
2: Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased on March 13, 2018 to prepare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

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E1-1		E1-2		E1-3		E2-1		E2-2		E2-3		E2-4		E2-5	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
04/01/19	2.7	1711.49	0.87	1710.77	0.71	1710.65	1.1	1715.31	1.7	1714.17	1.5	1716.87	1.6	1715.81	0.41	1716.93
04/02/19	2.7	1711.39	0.90	1710.97	0.73	1710.67	1.1	1717.37	1.7	1714.75	1.5	1718.84	1.6	1716.14	0.42	1717.87
04/03/19	2.7	1711.43	0.18	1709.66	0.74	1710.59	1.2	1716.82	1.7	1714.57	1.6	1717.65	1.6	1715.90	0.42	1716.74
04/04/19	2.7	1711.25	0.01	1715.39	0.78	1710.42	0.74	1716.34	1.8	1714.51	1.4	1716.62	1.5	1715.11	0.35	1716.78
04/05/19	2.7	1712.57	0.75	1721.68	0.71	1710.20	0.99	1720.75	1.7	1711.70	1.6	1718.19	1.6	1716.38	0.45	1718.95
04/06/19	2.7	1712.45	0.73	1716.00	0.70	1710.34	1.0	1711.09	1.7	1712.94	1.4	1711.49	1.5	1711.96	0.40	1711.75
04/07/19	2.7	1712.53	1.1	1715.79	0.73	1710.24	0.99	1715.45	1.8	1712.78	1.4	1717.64	1.5	1716.41	1.1	1713.87
04/08/19	2.7	1712.54	1.1	1715.30	0.71	1710.52	1.0	1718.32	1.7	1714.12	1.3	1719.25	1.5	1717.11	0.22	1716.22
04/09/19	2.7	1712.67	1.1	1715.36	0.71	1710.31	1.0	1722.22	1.7	1715.86	1.4	1721.95	1.6	1717.91	0.44	1719.02
04/10/19	2.6	1712.73	1.0	1715.27	0.78	1710.22	0.99	1720.61	1.7	1716.62	1.4	1719.45	1.6	1716.40	0.43	1716.91
04/11/19	2.7	1712.76	0.95	1715.25	0.76	1710.21	1.2	1719.91	1.6	1716.61	1.5	1719.14	1.5	1716.38	0.15	1716.94
04/12/19	2.6	1712.73	0.95	1714.38	0.77	1710.37	1.2	1717.66	1.6	1716.22	1.5	1717.93	1.5	1716.27	0.13	1717.02
04/13/19	2.8	1712.77	1.3	1714.78	0.62	1710.67	1.3	1718.06	1.2	1716.52	1.5	1718.36	1.7	1716.35	0.17	1716.87
04/14/19	2.7	1712.88	1.0	1714.37	0.74	1710.92	1.1	1717.55	0.16	1719.34	1.8	1719.25	1.6	1716.46	0.19	1715.46
04/15/19	2.7	1712.52	1.2	1714.25	0.73	1710.43	1.0	1720.84	0.11	1727.67	1.6	1716.86	1.5	1716.82	0.51	1715.01
04/16/19	2.1	1712.53	1.0	1714.22	0.77	1710.41	1.5	1718.83	0.05	1721.58	1.9	1717.04	1.6	1716.90	0.87	1715.02
04/17/19	2.7	1712.13	1.1	1709.76	0.76	1710.51	1.4	1719.52	0.67	1728.27	1.8	1716.55	0.87	1717.11	0.46	1716.31
04/18/19	0.60	1711.83	1.1	1709.65	0.76	1710.54	1.3	1718.22	1.3	1725.12	1.8	1718.37	1.5	1724.21	0.46	1718.67
04/19/19	5.2	1712.03	1.1	1709.76	0.74	1710.07	1.2	1717.60	1.6	1721.57	1.7	1717.27	1.5	1717.93	0.45	1717.75
04/20/19	2.8	1712.11	1.1	1709.68	0.78	1711.21	1.3	1718.00	1.5	1718.42	1.8	1717.43	1.6	1717.80	0.49	1717.91
04/21/19	2.7	1712.15	1.1	1709.74	0.77	1711.26	1.2	1717.67	1.3	1717.32	1.7	1717.47	1.6	1717.72	0.46	1717.97
04/22/19	2.7	1712.22	1.1	1709.80	0.77	1711.32	1.3	1717.88	1.1	1717.29	1.7	1717.46	1.5	1717.93	0.46	1718.05
04/23/19	2.7	1711.76	1.1	1710.15	0.77	1711.65	1.3	1714.42	1.5	1723.12	1.7	1717.23	1.6	1717.90	0.47	1714.27
04/24/19	2.8	1711.83	1.1	1710.18	0.78	1711.71	1.4	1716.12	1.6	1719.08	1.7	1717.37	1.5	1717.05	0.46	1716.42
04/25/19	2.7	1712.09	1.1	1710.26	0.76	1710.51	1.3	1717.92	1.6	1720.53	1.8	1717.95	1.7	1718.00	0.54	1718.52
04/26/19	2.7	1712.13	1.1	1710.15	0.76	1710.54	1.4	1718.02	1.7	1719.29	1.8	1716.65	1.7	1715.33	0.55	1715.18
04/27/19	2.8	1712.65	1.1	1711.34	0.79	1710.62	1.3	1718.07	1.8	1719.68	1.8	1717.14	1.7	1716.00	0.51	1716.89
04/28/19	2.7	1712.79	1.1	1711.01	0.77	1710.65	1.3	1718.12	1.9	1719.57	1.8	1716.93	1.7	1716.03	0.54	1716.46
04/29/19	2.7	1713.22	1.1	1710.98	0.76	1710.81	1.3	1716.14	1.9	1714.64	1.7	1716.04	1.7	1714.31	0.48	1714.12
04/30/19	2.7	1712.12	1.1	1710.28	0.76	1710.52	1.3	1717.27	1.9	1716.37	1.7	1715.14	1.7	1715.20	0.47	1715.52
Monthly Average	2.7	1712.28	0.98	1712.54	0.75	1710.67	1.2	1717.73	1.4	1718.01	1.6	1717.52	1.6	1716.70	0.45	1716.51
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
Perchlorate	570	4/24/2019	1,500	4/24/2019	740	4/24/2019	98	4/24/2019	320	4/24/2019	800	4/24/2019	1,100	4/24/2019	1,500	4/24/2019
Hexavalent Chromium	0.041	4/24/2019	0.20	4/24/2019	0.40	4/24/2019	0.028	4/24/2019	0.024	4/24/2019	0.024	4/24/2019	0.035	4/24/2019	0.096	4/24/2019
Total Chromium	0.044	4/24/2019	0.22	4/24/2019	0.45	4/24/2019	0.031	4/24/2019	0.028	4/24/2019	0.028	4/24/2019	0.037	4/24/2019	0.11	4/24/2019

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 The flow rate at individual wells is adjusted daily to maintain the water level in the wells above the pump.
 1: Analytical results are reported from TestAmerica.
 2: On 04/04, E1-2 offline briefly due to motor replacement.
 3: From 04/14-04/15, E2-2 offline intermittently due to motor replacement.
 4: Duplicates taken on 04/24 for well E2-1; average of both values is presented and used for calculations.
 5: On 04/17, E2-2 reset due to instrument error.

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

