

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)
11/01/22	474	158	1536.14	73	1544.36	126	1542.77	107	1532.99	65	1547.79	108	1548.46	51	1549.52	20	1550.78	7.3	< 1520.00
11/02/22	475	158	1536.13	73	1544.37	126	1542.77	107	1532.99	65	1547.79	108	1548.47	51	1549.51	20	1550.78	7.2	< 1520.00
11/03/22	475	158	1536.12	73	1544.37	126	1542.76	107	1532.98	65	1547.78	108	1548.46	51	1549.51	20	1550.78	7.3	< 1520.00
11/04/22	475	158	1536.15	73	1544.37	126	1542.76	107	1532.97	65	1547.78	108	1548.46	51	1549.51	20	1550.77	7.4	< 1520.00
11/05/22	475	158	1536.18	73	1544.37	126	1542.78	107	1532.98	65	1547.80	108	1548.48	51	1549.53	20	1550.79	7.4	< 1520.00
11/06/22	475	158	1536.16	73	1544.36	126	1542.79	107	1532.98	65	1547.80	108	1548.49	51	1549.54	20	1550.80	7.4	< 1520.00
11/07/22	475	158	1536.14	73	1544.35	126	1542.79	107	1532.98	65	1547.80	108	1548.49	51	1549.54	20	1550.80	7.4	< 1520.00
11/08/22	475	157	1536.14	73	1544.35	126	1542.80	107	1532.98	65	1547.82	108	1548.50	51	1549.55	20	1550.82	7.3	< 1520.00
11/09/22	474	157	1536.15	73	1544.44	126	1542.80	107	1532.98	65	1547.82	108	1548.51	51	1549.56	20	1550.83	7.4	< 1520.00
11/10/22	475	157	1536.20	73	1544.51	126	1542.82	107	1532.99	65	1547.82	108	1548.49	51	1549.52	20	1550.85	7.4	< 1520.00
11/11/22	476	157	1536.24	74	1544.53	126	1542.85	107	1533.00	65	1547.83	108	1548.49	51	1549.51	20	1550.88	7.4	< 1520.00
11/12/22	475	157	1536.27	74	1544.54	126	1542.88	107	1533.02	65	1547.86	108	1548.52	51	1549.54	20	1550.91	7.4	< 1520.00
11/13/22	475	157	1536.27	74	1544.55	126	1542.90	107	1533.04	65	1547.88	108	1548.55	51	1549.56	20	1550.94	7.5	< 1520.00
11/14/22	475	157	1536.29	74	1544.57	126	1542.92	107	1533.05	65	1547.89	108	1548.57	51	1549.59	20	1550.96	7.5	< 1520.00
11/15/22	485	157	1536.32	74	1544.60	126	1542.94	107	1533.07	65	1547.91	108	1548.59	51	1549.61	20	1550.98	7.5	< 1520.00
11/16/22 ²	289	97	1540.63	46	1545.90	78	1545.26	66	1538.45	40	1549.70	67	1549.81	32	1550.65	12	1551.67	5.2	< 1520.00
11/17/22	489	158	1537.13	74	1544.95	126	1543.32	108	1533.54	65	1548.22	109	1548.89	51	1549.91	20	1551.24	8.5	< 1520.00
11/18/22	490	158	1536.89	74	1544.86	126	1543.23	108	1533.42	65	1548.14	109	1548.83	51	1549.86	20	1551.21	9.3	< 1520.00
11/19/22	491	158	1536.77	74	1544.82	126	1543.19	108	1533.37	65	1548.10	109	1548.80	51	1549.83	20	1551.19	9.2	< 1520.00
11/20/22	478	158	1536.72	74	1544.81	126	1543.18	108	1533.35	65	1548.10	109	1548.79	51	1549.83	20	1551.19	9.1	< 1520.00
11/21/22	464	158	1536.70	74	1544.81	126	1543.19	108	1533.34	65	1548.11	109	1548.80	51	1549.84	20	1551.20	9.1	< 1520.00
11/22/22	496	158	1536.69	74	1544.81	126	1543.19	108	1533.34	65	1548.12	109	1548.81	51	1549.85	20	1551.21	9.0	< 1520.00
11/23/22	473	158	1536.69	74	1544.81	126	1543.20	108	1533.33	65	1548.12	109	1548.82	51	1549.85	20	1551.22	8.9	< 1520.00
11/24/22	487	158	1536.68	74	1544.82	126	1543.19	108	1533.32	65	1548.12	109	1548.81	51	1549.84	20	1551.21	8.8	< 1520.00
11/25/22	480	157	1536.69	74	1544.83	126	1543.20	108	1533.32	65	1548.13	109	1548.82	51	1549.86	20	1551.22	8.7	< 1520.00
11/26/22	482	157	1536.69	74	1544.84	126	1543.22	108	1533.33	65	1548.15	109	1548.84	51	1549.87	20	1551.24	8.6	< 1520.00
11/27/22	485	157	1536.69	74	1544.84	126	1543.23	108	1533.33	65	1548.15	109	1548.85	51	1549.88	20	1551.25	8.5	< 1520.00
11/28/22	475	157	1536.70	74	1544.84	126	1543.24	108	1533.34	65	1548.17	109	1548.86	51	1549.90	20	1551.27	8.4	< 1520.00
11/29/22	484	157	1536.67	74	1544.84	126	1543.23	108	1533.32	65	1548.16	109	1548.85	51	1549.89	20	1551.26	8.4	< 1520.00
11/30/22	485	157	1536.68	74	1544.84	126	1543.24	108	1533.33	65	1548.17	109	1548.86	51	1549.89	20	1551.26	8.4	< 1520.00
Monthly Average	473	155	1536.60	73	1544.67	124	1543.09	106	1533.35	64	1548.03	107	1548.70	50	1549.73	20	1551.05	8.0	< 1520.00
Analytical ¹		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L) ³	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		14	11/10/2022	18	11/10/2022	9.8	11/10/2022	6.3	11/10/2022	4.0	11/10/2022	0.92	11/10/2022	0.11	11/10/2022	0.17	11/10/2022	1.2	11/10/2022
Hexavalent Chromium		ND	11/10/2022	ND	11/10/2022	ND	11/10/2022	0.0087	11/10/2022	ND	11/10/2022	ND	11/10/2022	ND	11/10/2022	ND	11/10/2022	ND	11/10/2022
Total Chromium		0.0039	11/10/2022	ND	11/10/2022	ND	11/10/2022	0.0079 J	11/10/2022	ND	11/10/2022	ND	11/10/2022	ND	11/10/2022	ND	11/10/2022	ND	11/10/2022

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 Eurofins TestAmerica.
 2: On 11/16, SWF offline due to maintenance.
 3: Duplicates taken on 11/10 for well PC-115R; 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)
11/01/22	398	42	1584.26	142	1584.14	21	1582.99	3.8	1578.82	38	1576.59	26	1579.55	173	1583.49	1.5	1578.70
11/02/22	398	42	1584.26	142	1584.14	21	1582.99	3.8	1578.82	38	1576.57	26	1579.59	173	1583.49	1.5	1578.70
11/03/22	397	42	1584.25	142	1584.13	21	1582.98	3.8	1578.82	38	1576.58	26	1579.72	173	1583.48	1.5	1578.69
11/04/22	397	42	1584.24	142	1584.13	21	1582.98	3.8	1578.82	38	1576.59	26	1579.97	173	1583.48	1.5	1578.70
11/05/22	397	42	1584.25	142	1584.14	21	1582.99	3.8	1578.82	38	1576.59	26	1579.73	173	1583.49	1.5	1578.70
11/06/22	397	42	1584.26	142	1584.15	21	1583.00	3.8	1578.82	38	1576.58	26	1579.57	173	1583.50	1.5	1578.70
11/07/22	397	42	1584.26	142	1584.15	21	1583.00	3.8	1578.83	40	1577.54	26	1579.54	173	1583.50	1.5	1578.70
11/08/22	398	42	1584.26	142	1584.16	21	1583.00	3.8	1580.32	40	1577.64	26	1579.49	173	1583.51	1.5	1578.70
11/09/22	392	42	1584.25	142	1584.14	21	1582.99	3.8	1580.99	41	1576.73	22	1581.56	173	1583.50	1.5	1578.70
11/10/22	392	42	1584.25	142	1584.15	21	1583.00	3.8	1578.84	43	1576.89	21	1582.61	173	1583.50	1.5	1578.57
11/11/22	400	42	1584.25	142	1584.15	22	1583.00	3.8	1578.85	41	1576.79	27	1579.90	173	1583.50	1.5	1578.47
11/12/22	399	42	1584.26	142	1584.16	22	1583.01	3.8	1578.85	40	1576.78	26	1579.71	173	1583.51	1.5	1578.47
11/13/22	390	42	1584.26	142	1584.16	22	1583.01	3.8	1578.85	42	1576.84	21	1582.54	173	1583.51	1.5	1578.47
11/14/22	388	42	1584.25	142	1584.16	22	1583.01	3.8	1578.85	44	1576.95	19	1583.92	173	1583.51	1.5	1578.47
11/15/22	387	42	1584.25	142	1584.16	22	1583.01	3.8	1578.85	45	1577.09	19	1584.10	173	1583.51	1.5	1578.47
11/16/22	394	42	1584.25	142	1584.17	22	1583.02	3.8	1578.85	45	1577.05	21	1583.45	173	1583.51	1.5	1578.48
11/17/22	393	42	1584.26	142	1584.17	21	1583.02	3.8	1578.85	43	1576.98	25	1581.36	173	1583.52	1.5	1578.48
11/18/22	397	42	1584.26	142	1584.17	22	1583.02	3.8	1578.85	42	1576.82	27	1579.73	173	1583.52	1.5	1578.47
11/19/22	404	42	1584.25	142	1584.17	22	1583.02	3.8	1578.85	42	1576.80	27	1579.93	173	1583.52	1.5	1578.47
11/20/22	396	42	1584.25	142	1584.17	22	1583.02	3.8	1578.84	41	1576.81	27	1579.93	173	1583.52	1.5	1578.47
11/21/22	402	42	1584.25	142	1584.17	22	1583.02	3.8	1578.85	42	1576.78	26	1579.87	173	1583.52	1.5	1578.46
11/22/22	390	42	1584.25	141	1584.18	22	1583.03	3.8	1578.85	41	1576.78	27	1579.80	173	1583.52	1.5	1578.47
11/23/22	402	42	1584.24	142	1584.17	22	1583.03	3.8	1578.85	41	1576.78	26	1579.78	173	1583.52	1.5	1578.46
11/24/22	400	42	1584.23	141	1584.16	22	1583.02	3.8	1578.84	41	1576.77	26	1580.04	173	1583.51	1.5	1578.46
11/25/22	399	42	1584.23	142	1584.16	22	1583.02	3.8	1578.84	41	1576.77	26	1579.99	173	1583.51	1.5	1578.47
11/26/22	402	42	1584.22	142	1584.16	22	1583.02	3.8	1578.84	41	1576.77	26	1579.76	173	1583.51	1.5	1578.46
11/27/22	401	42	1584.22	142	1584.16	22	1583.02	3.8	1578.84	41	1576.76	26	1579.73	173	1583.51	1.5	1578.46
11/28/22	400	42	1584.22	141	1584.16	22	1583.02	3.8	1578.85	41	1576.77	26	1579.40	173	1583.51	1.5	1578.46
11/29/22	399	42	1584.20	142	1584.15	22	1583.01	3.8	1578.85	41	1576.77	26	1579.63	173	1583.50	1.5	1578.45
11/30/22	398	42	1584.20	142	1584.14	22	1583.01	3.8	1578.85	41	1576.75	26	1579.68	173	1583.50	1.5	1578.45
Monthly Average	397	42	1584.24	142	1584.16	22	1583.01	3.8	1578.96	41	1576.83	25	1580.45	173	1583.51	1.5	1578.54
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	24	11/10/2022	7.1	11/10/2022	160	11/10/2022	100	11/10/2022	150	11/10/2022	81	11/10/2022	53	11/10/2022	32	11/10/2022	
Hexavalent Chromium	ND	11/10/2022	ND	11/10/2022	0.30	11/10/2022	0.15	11/10/2022	0.63	11/10/2022	0.46	11/10/2022	0.07	11/10/2022	0.024	11/10/2022	
Total Chromium	ND	11/10/2022	ND	11/10/2022	0.29	11/10/2022	0.13	11/10/2022	0.58	11/10/2022	0.47	11/10/2022	0.055	11/10/2022	0.033	11/10/2022	

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 Eurofins TestAmerica.
 2: On 11/09, ART-7A switched to ART-1A temporarily.
 3: On 11/13, ART-7A switched to ART-7B temporarily.
 4: Duplicates taken on 11/10 for well ART-8A; 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 11/01-11/30 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 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 ⁴ (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow ⁸ (gpm)	Water Elevation (ft amsl)
11/01/22	0.12	1718.46	0.88	1707.64	0.0	1718.90	0.0	1723.76	1.02	1715.63	0.44	1709.64	2.8	1708.73	1.2	1705.61	0.30	1718.54	3.3	1708.70
11/02/22	0.13	1718.02	0.88	1707.64	0.0	1718.91	0.0	1723.83	0.96	1716.72	0.44	1709.70	2.8	1708.73	1.2	1705.61	0.24	1718.95	3.4	1708.70
11/03/22	0.14	1717.69	0.88	1707.64	0.0	1718.91	0.0	1723.95	0.95	1716.98	0.44	1709.69	2.8	1708.73	1.2	1705.61	0.23	1719.08	3.5	1708.70
11/04/22 ²	0.13	1718.49	0.87	1707.76	0.0	1718.83	0.0	1723.84	0.79	1718.68	0.40	1710.08	2.8	1709.01	1.1	1707.55	0.22	1719.16	3.6	1709.26
11/05/22	0.17	1716.31	0.88	1707.67	0.0	1718.91	0.0	1723.83	0.64	1720.61	0.44	1709.57	2.9	1708.74	1.1	1708.93	0.23	1719.20	3.9	1708.72
11/06/22	0.16	1715.93	0.88	1707.72	0.0	1718.94	0.0	1723.83	0.63	1720.67	0.45	1709.57	2.9	1708.74	1.1	1709.02	0.24	1719.24	3.9	1709.16
11/07/22	0.15	1716.39	0.88	1707.67	0.0	1718.91	0.0	1723.78	0.63	1720.70	0.44	1709.57	2.9	1708.74	1.1	1709.22	0.24	1719.27	3.9	1710.71
11/08/22	0.16	1716.84	0.88	1707.67	0.02	1718.46	0.0	1723.87	0.62	1720.75	0.44	1709.57	2.9	1708.73	1.1	1709.01	0.81	1715.89	3.9	1710.78
11/09/22	0.16	1716.65	0.88	1707.67	0.0	1718.89	0.03	1721.67	0.62	1720.80	0.43	1709.57	2.8	1708.73	1.1	1708.06	1.0	1714.37	3.7	1708.72
11/10/22	0.16	1716.82	0.88	1707.66	0.0	1718.81	0.0	1723.95	0.61	1720.83	0.41	1709.57	2.8	1708.73	1.1	1707.72	0.99	1714.39	3.6	1708.71
11/11/22	0.16	1716.80	0.87	1707.68	0.0	1718.75	0.0	1724.02	0.60	1720.90	0.41	1709.57	2.8	1708.73	1.1	1708.19	0.97	1714.46	3.5	1708.71
11/12/22	0.16	1716.85	0.88	1707.69	0.0	1718.77	0.0	1724.02	0.60	1720.93	0.41	1709.57	2.8	1708.72	1.0	1708.36	0.97	1714.45	3.5	1708.71
11/13/22	0.16	1716.88	0.88	1707.67	0.0	1718.78	0.0	1724.07	0.60	1720.94	0.41	1709.57	2.8	1708.72	1.0	1708.11	0.94	1714.54	3.5	1708.71
11/14/22	0.16	1717.02	0.87	1707.69	0.0	1718.78	0.0	1724.03	0.59	1720.94	0.41	1709.57	2.8	1708.72	1.0	1708.09	0.94	1714.57	3.5	1708.71
11/15/22	0.15	1717.16	0.87	1707.71	0.0	1718.78	0.0	1724.02	0.58	1721.04	0.39	1710.03	2.8	1708.79	1.0	1708.44	0.92	1714.65	3.5	1708.78
11/16/22 ²	0.12	1718.33	0.54	1707.86	0.0	1718.99	0.0	1723.93	0.50	1719.23	0.25	1710.24	1.7	1708.97	0.70	1709.37	0.59	1715.52	2.3	1711.61
11/17/22 ²	0.23	1715.69	0.90	1707.73	0.0	1719.00	0.0	1723.97	1.01	1715.66	0.42	1709.77	2.8	1708.80	1.3	1705.61	0.98	1714.52	4.0	1715.38
11/18/22	0.21	1715.40	0.89	1707.67	0.0	1718.91	0.0	1723.98	0.84	1718.99	0.41	1709.65	2.8	1708.74	1.2	1705.61	1.0	1712.76	3.9	1710.61
11/19/22	0.20	1715.29	0.89	1707.69	0.0	1718.89	0.0	1723.94	0.84	1718.98	0.42	1709.65	2.8	1708.74	1.2	1705.61	1.1	1712.37	3.6	1708.72
11/20/22	0.21	1715.30	0.89	1707.69	0.0	1718.84	0.0	1723.92	0.84	1718.96	0.41	1709.63	2.8	1708.74	1.2	1705.61	1.1	1712.86	3.4	1708.72
11/21/22	0.22	1715.09	0.89	1707.69	0.0	1718.81	0.0	1723.90	0.84	1718.96	0.41	1709.63	2.8	1708.74	1.2	1705.61	1.1	1713.24	3.4	1708.71
11/22/22	0.22	1715.04	0.88	1707.72	0.0	1718.79	0.0	1723.89	0.84	1718.91	0.41	1709.62	2.7	1708.74	1.2	1705.61	1.1	1713.38	3.4	1708.71
11/23/22	0.22	1715.04	0.88	1707.71	0.0	1718.78	0.0	1723.88	0.29	1722.33	0.41	1709.62	2.7	1708.74	1.2	1705.61	1.1	1713.43	3.4	1708.71
11/24/22	0.22	1715.04	0.88	1707.70	0.0	1718.78	0.0	1723.79	0.64	1720.48	0.41	1709.62	2.7	1708.74	1.1	1705.61	1.1	1713.43	3.4	1708.71
11/25/22	0.22	1715.05	0.88	1707.70	0.0	1718.77	0.0	1723.82	0.82	1719.10	0.41	1709.62	2.7	1708.74	1.1	1705.61	1.1	1713.53	3.4	1708.71
11/26/22	0.22	1715.07	0.88	1707.72	0.0	1718.78	0.0	1723.87	0.81	1719.18	0.41	1709.62	2.7	1708.74	1.1	1705.61	1.1	1713.55	3.4	1708.71
11/27/22	0.22	1715.09	0.88	1707.68	0.0	1718.77	0.0	1723.86	0.82	1719.16	0.41	1709.62	2.7	1708.74	1.1	1705.61	1.0	1713.77	3.4	1708.71
11/28/22	0.22	1715.12	0.88	1707.72	0.0	1718.77	0.0	1723.91	0.82	1719.16	0.41	1709.62	2.7	1708.74	1.1	1705.61	1.0	1713.83	3.4	1708.71
11/29/22	0.22	1715.12	0.88	1707.73	0.0	1718.76	0.0	1723.87	0.82	1719.09	0.41	1709.63	2.7	1708.74	1.1	1705.61	1.0	1713.83	3.4	1708.71
11/30/22	0.22	1715.12	0.88	1707.68	0.0	1718.77	0.0	1723.87	0.83	1718.91	0.41	1709.64	2.7	1708.74	1.1	1705.61	1	1713.81	3.3	1708.71
Monthly Average	0.18	1716.24	0.87	1707.70	0.0	1718.82	0.0	1723.83	0.73	1719.47	0.41	1709.67	2.7	1708.76	1.1	1706.85	0.82	1715.15	3.5	1709.27
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	370	11/8/2022	27	11/8/2022	47	11/8/2022	160	11/9/2022	190	11/9/2022	250	11/8/2022	430	11/8/2022	430	11/8/2022	370	11/8/2022	500	11/8/2022
Hexavalent Chromium	0.76 E	11/8/2022	0.056	11/8/2022	0.012	11/8/2022	1.9	11/9/2022	1.9	11/9/2022	0.22	11/8/2022	2.8	11/8/2022	4.4	11/8/2022	6.1	11/8/2022	11	11/8/2022
Total Chromium	0.81 B	11/8/2022	0.08	11/8/2022	0.021	11/8/2022	1.6	11/9/2022	1.6	11/9/2022	0.21	11/8/2022	2.8	11/8/2022	4.2	11/8/2022	5.8	11/8/2022	12	11/8/2022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 B = Compound was found in the blank and sample.
 E = The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 11/04, 11/16, and 11/17, IWF offline due to maintenance.
 3: On 11/09, I-AR and I-Z adjusted to meet flow targets as directed by the Trust.
 4: On 11/22, I-AD offline for maintenance.
 5: On 11/15 and 11/16, I-B, I-I, I-O, I-S, I-W, and I-Z offline due to maintenance.
 6: On 11/08, I-E, I-H, I-M, I-N, and I-X adjusted to meet flow targets as directed by the Trust.
 7: On 11/18, I-E and I-N adjusted to meet flow targets as directed by the Trust.
 8: On 11/30, I-F, I-M, I-N, I-S, I-W, and I-X adjusted to meet flow targets as directed by the Trust.

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 ^{6,9,10} (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ¹¹ (gpm)	Water Elevation (ft amsl)	Flow ^{6,8} (gpm)	Water Elevation (ft amsl)	Flow ^{6,7,8} (gpm)	Water Elevation (ft amsl)	Flow ^{5,9,12} (gpm)	Water Elevation (ft amsl)	Flow ⁹ (gpm)	Water Elevation (ft amsl)
11/01/22	0.22	1711.23	0.54	1719.12	3.2	1721.44	5.7	1712.24	3.0	1708.45	1.1	< 1712.57	0.78	1719.97	0.48	1719.90	0.27	1720.65	1.7	1719.26
11/02/22	0.22	1711.23	0.48	1719.55	3.5	1721.55	5.7	1712.23	3.0	1708.45	1.1	< 1712.57	0.77	1720.08	0.48	1719.97	0.28	1720.72	1.7	1719.39
11/03/22	0.22	1711.22	0.80	1710.20	3.7	1721.59	5.8	1712.22	3.0	1708.62	1.1	< 1712.42	0.75	1720.16	0.47	1720.04	0.58	1720.62	1.9	1719.02
11/04/22 ²	0.22	1711.25	0.48	1717.36	3.4	1721.68	5.7	1712.54	3.0	1708.91	1.0	< 1712.42	0.64	1720.34	0.41	1720.14	0.50	1720.66	1.8	1719.19
11/05/22	0.22	1711.22	0.17	1720.52	3.7	1721.75	5.9	1712.22	3.1	1708.31	1.1	< 1712.42	0.55	1720.52	0.35	1720.25	0.53	1720.77	1.7	1719.58
11/06/22	0.22	1711.22	0.18	1720.61	3.7	1721.83	6.0	1712.21	3.0	1708.74	1.1	< 1712.42	0.57	1720.57	0.37	1720.29	0.53	1720.87	1.8	1719.72
11/07/22	0.22	1711.23	0.18	1720.72	3.7	1721.91	6.0	1712.21	3.1	1708.72	1.1	< 1712.42	0.58	1720.61	0.38	1720.32	0.53	1720.95	1.8	1719.89
11/08/22	0.22	1711.23	0.49	1720.16	3.7	1721.97	6.1	1712.20	3.1	1708.92	1.1	< 1712.42	1.5	1719.00	1.0	1720.01	0.54	1721.01	1.8	1719.98
11/09/22	0.22	1711.22	0.56	1720.03	3.8	1721.94	6.1	1712.18	3.1	1708.97	1.1	< 1712.49	1.8	1718.35	1.2	1719.68	0.57	1721.02	1.7	1720.00
11/10/22	0.22	1711.22	0.53	1724.90	3.9	1721.81	6.0	1712.15	3.1	1708.86	1.1	< 1712.49	1.7	1718.29	1.2	1719.59	0.57	1721.00	1.7	1720.00
11/11/22	0.22	1711.22	0.49	1729.98	3.9	1721.79	6.0	1712.15	3.0	1708.89	1.1	< 1712.49	1.7	1718.26	1.1	1719.53	0.56	1721.00	1.7	1720.02
11/12/22	0.22	1711.22	0.43	1731.20	3.9	1721.82	6.0	1712.15	3.0	1708.98	1.1	< 1712.49	1.7	1718.19	1.1	1719.49	0.62	1721.08	1.7	1720.09
11/13/22	0.22	1711.22	0.37	1735.58	3.9	1721.84	6.0	1712.14	3.0	1709.11	1.1	< 1712.49	1.7	1718.09	1.1	1719.47	0.64	1721.01	1.7	1720.12
11/14/22	0.22	1711.22	0.34	> 1737.00	3.9	1721.83	6.0	1712.14	3.0	1709.04	1.1	< 1712.49	1.7	1718.08	1.1	1719.47	0.64	1721.00	1.7	1720.12
11/15/22	0.22	1711.22	0.31	> 1737.00	3.7	1721.89	6.0	1712.24	3.0	1709.14	1.1	< 1712.49	1.7	1718.09	1.0	1719.47	0.60	1721.02	1.7	1720.15
11/16/22 ²	0.13	1712.39	0.28	> 1737.00	2.2	1722.11	3.8	1712.67	1.9	1710.71	0.69	< 1712.49	1.1	1718.68	0.48	1719.88	0.35	1721.21	1.1	1720.45
11/17/22 ²	0.22	1712.72	0.57	> 1737.00	3.5	1722.02	6.3	1712.25	3.0	1711.52	1.2	< 1712.38	2.0	1717.46	0.62	1720.07	0.54	1721.26	1.7	1720.47
11/18/22	0.23	1711.23	0.59	> 1737.00	3.9	1721.88	6.1	1712.16	3.0	1711.01	1.2	< 1712.38	1.9	1717.72	0.74	1719.94	0.56	1721.20	1.8	1720.37
11/19/22	0.23	1711.23	0.69	> 1737.00	4.0	1721.72	5.9	1712.16	3.0	1710.66	1.2	< 1712.38	1.9	1717.58	0.78	1719.76	0.56	1721.07	1.9	1720.07
11/20/22	0.23	1711.23	0.68	> 1737.00	4.0	1721.64	5.9	1712.15	3.0	1710.33	1.1	< 1712.38	1.9	1717.51	0.68	1719.73	0.56	1721.00	1.9	1719.95
11/21/22	0.23	1711.23	0.67	> 1737.00	4.0	1721.58	5.8	1712.14	3.0	1710.20	1.1	< 1712.38	1.9	1717.46	0.60	1719.74	0.56	1720.95	1.9	1719.87
11/22/22	0.23	1711.23	0.65	> 1737.00	4.0	1721.54	5.8	1712.14	3.0	1710.07	1.1	< 1712.38	1.9	1717.40	0.56	1719.74	0.56	1720.91	1.9	1719.79
11/23/22	0.23	1711.23	0.63	> 1737.00	4.0	1721.50	5.7	1712.14	3.0	1709.91	1.1	< 1712.38	1.8	1717.35	0.54	1719.74	0.56	1720.87	1.9	1719.73
11/24/22	0.23	1711.23	0.62	> 1737.00	4.0	1721.46	5.7	1712.14	3.0	1709.78	1.1	< 1712.31	1.9	1717.27	0.52	1719.74	0.57	1720.83	1.9	1719.67
11/25/22	0.23	1711.23	0.61	> 1737.00	4.0	1721.43	5.7	1712.14	3.0	1709.76	1.1	< 1712.31	1.9	1717.22	0.51	1719.74	0.56	1720.80	1.9	1719.63
11/26/22	0.23	1711.23	0.60	> 1737.00	3.9	1721.42	5.7	1712.14	3.0	1709.80	1.1	< 1712.31	1.8	1717.20	0.50	1719.75	0.57	1720.79	1.9	1719.60
11/27/22	0.23	1711.23	0.59	> 1737.00	3.8	1721.41	5.7	1712.13	3.0	1709.79	1.1	< 1712.31	1.8	1717.19	0.49	1719.74	0.57	1720.77	1.9	1719.58
11/28/22	0.23	1711.23	0.58	> 1737.00	3.9	1721.41	5.6	1712.13	3.0	1709.84	1.1	< 1712.31	1.8	1717.17	0.49	1719.74	0.57	1720.78	1.9	1719.59
11/29/22	0.23	1711.23	0.56	> 1737.00	4.0	1721.38	5.6	1712.13	3.0	1709.78	1.1	< 1712.31	1.8	1717.14	0.51	1719.72	0.57	1720.75	1.9	1719.54
11/30/22	0.23	1711.23	0.55	> 1737.00	4.0	1721.36	5.6	1712.13	3.0	1709.79	1.1	< 1712.31	2.0	1716.54	1.1	1719.36	0.57	1720.72	1.9	1719.49
Monthly Average	0.22	1711.32	0.51	1730.63	3.8	1721.68	5.8	1712.20	3.0	1709.50	1.1	< 1712.41	1.5	1718.32	0.69	1719.80	0.53	1720.91	1.8	1719.81
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	930	11/8/2022	630	11/8/2022	350	11/9/2022	160	11/9/2022	220	11/9/2022	230	11/8/2022	500	11/8/2022	460	11/8/2022	560	11/8/2022	530	11/8/2022
Hexavalent Chromium	18	11/8/2022	12	11/8/2022	6.7	11/9/2022	3.5	11/9/2022	2.6	11/9/2022	1.4	11/8/2022	5.7	11/8/2022	7.4	11/8/2022	9.8	11/8/2022	11	11/8/2022
Total Chromium	19	11/8/2022	12	11/8/2022	6.4	11/9/2022	3.2	11/9/2022	2.2	11/9/2022	1.4 B	11/8/2022	5.4	11/8/2022	7.6	11/8/2022	9.8	11/8/2022	11	11/8/2022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 B = Compound was found in the blank and sample.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 11/04, 11/16, and 11/17, IWF offline due to maintenance.
 5: On 11/15 and 11/16, I-B, I-I, I-O, I-S, I-W, and I-Z offline due to maintenance.
 6: On 11/08, I-E, I-H, I-M, I-N, and I-X adjusted to meet flow targets as directed by the Trust.
 7: On 11/18, I-E and I-N adjusted to meet flow targets as directed by the Trust.
 8: On 11/30, I-F, I-M, I-N, I-S, I-W, and I-X adjusted to meet flow targets as directed by the Trust.
 9: On 11/03, I-H, I-O, I-P, I-R, and I-W adjusted to meet flow targets as directed by the Trust.
 10: From 11/14 to 11/30, I-H transducer failed.
 11: On 11/03, 11/09, 11/17, and 11/24, I-L and I-Y water level taken manually due to water level dropping below transducer.
 12: On 11/12, I-O offline 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-Y		I-Z	
	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{9,13} (gpm)	Water Elevation (ft amsl)	Flow ^{5,8,14} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{5,8,9} (gpm)	Water Elevation (ft amsl)	Flow ^{6,8} (gpm)	Water Elevation (ft amsl)	Flow ¹¹ (gpm)	Water Elevation (ft amsl)	Flow ^{4,5,15} (gpm)	Water Elevation (ft amsl)
11/01/22	0.28	1714.78	0.30	1718.06	1.6	1706.50	0.69	1707.59	0.62	1711.31	4.3	1718.15	0.53	1719.31	2.5	1713.38	1.3	< 1700.08	4.5	1718.94
11/02/22	0.27	1714.86	0.29	1718.08	1.6	1706.49	0.70	1707.58	0.64	1711.33	4.3	1718.43	0.54	1719.37	2.4	1713.58	1.3	< 1700.08	4.3	1719.48
11/03/22	0.26	1714.97	0.37	1717.75	1.6	1706.49	0.69	1707.58	0.62	1711.25	4.3	1718.51	0.71	1714.70	2.4	1713.77	1.3	< 1700.08	4.2	1719.75
11/04/22 ²	0.23	1715.31	0.79	1715.74	0.88	1712.55	0.69	1707.80	0.60	1711.71	4.2	1718.70	0.58	1716.97	2.2	1714.16	1.3	< 1700.01	3.6	1720.37
11/05/22	0.20	1715.68	0.58	1717.16	0.0	1720.37	0.70	1707.60	0.59	1712.05	4.3	1718.89	0.48	1719.79	2.2	1714.44	1.3	< 1700.01	3.2	1720.88
11/06/22	0.20	1715.73	0.60	1717.09	1.2	1710.73	0.71	1707.61	0.59	1712.31	4.3	1719.06	0.49	1719.88	2.1	1714.57	1.3	< 1700.01	3.0	1721.15
11/07/22	0.21	1715.78	0.57	1717.02	1.7	1706.49	0.71	1707.61	0.55	1712.49	4.3	1719.22	0.49	1719.99	2.1	1714.69	1.3	< 1700.01	3.0	1721.35
11/08/22	0.22	1715.73	0.53	1716.94	1.7	1706.49	0.72	1707.62	0.58	1712.40	4.3	1719.34	0.47	1720.14	2.5	1713.63	1.3	< 1700.01	3.0	1721.44
11/09/22	0.22	1715.63	0.55	1716.85	1.7	1706.49	0.71	1707.61	0.54	1710.78	4.3	1719.36	0.45	1720.20	2.5	1713.42	1.3	< 1700.01	4.3	1720.37
11/10/22	0.21	1715.64	1.0	1714.32	1.6	1706.49	0.72	1707.61	0.55	1712.43	4.3	1719.25	0.46	1720.18	2.5	1713.46	1.3	< 1700.06	5.4	1719.20
11/11/22	0.22	1715.53	0.99	1714.30	1.6	1706.49	0.72	1707.60	0.56	1712.61	4.3	1719.23	0.43	1720.26	2.5	1713.45	1.2	< 1700.06	5.3	1719.24
11/12/22	0.22	1715.54	0.95	1714.53	1.6	1706.49	0.72	1707.60	0.59	1712.65	4.3	1719.28	0.40	1720.42	2.4	1713.54	1.2	< 1700.06	5.1	1719.37
11/13/22	0.25	1715.26	0.86	1715.40	1.6	1706.49	0.72	1707.60	0.57	1712.65	4.3	1719.30	0.55	1719.79	2.4	1713.65	1.3	< 1700.06	4.8	1719.63
11/14/22	0.24	1715.26	0.87	1715.33	1.6	1706.49	0.72	1707.60	0.58	1712.64	4.3	1719.28	0.66	1719.28	2.3	1713.73	1.3	< 1700.06	4.8	1719.65
11/15/22	0.24	1715.30	0.86	1715.39	1.5	1707.05	0.72	1707.64	0.57	1712.78	4.3	1719.32	0.61	1719.46	2.3	1713.78	1.3	< 1700.06	4.1	1719.99
11/16/22 ²	0.16	1715.75	0.56	1717.29	1.0	1707.12	0.45	1708.51	0.35	1714.16	2.6	1719.71	0.34	1721.19	1.5	1715.08	0.79	< 1700.06	3.5	1719.80
11/17/22 ²	0.29	1715.30	0.95	1715.61	1.7	1707.13	0.75	1707.65	0.58	1712.44	4.3	1719.69	0.49	1720.35	2.6	1713.81	1.3	< 1700.13	6.9	1717.47
11/18/22	0.20	1715.98	1.1	1714.74	1.2	1713.74	0.75	1707.61	0.61	1713.29	4.3	1719.56	0.53	1720.16	2.7	1713.09	1.3	< 1700.13	8.3	1714.57
11/19/22	0.21	1715.78	1.0	1714.80	1.3	1712.55	0.74	1707.60	0.59	1712.38	4.3	1719.31	0.57	1719.81	2.9	1712.38	1.3	< 1700.13	8.3	1713.52
11/20/22	0.21	1715.75	1.2	1712.06	1.3	1712.97	0.73	1707.60	0.61	1711.93	4.3	1719.16	0.55	1719.82	2.8	1712.44	1.3	< 1700.13	8.2	1713.18
11/21/22	0.21	1715.76	1.2	1712.48	1.2	1713.15	0.73	1707.60	0.66	1711.79	4.3	1719.04	0.53	1719.83	2.8	1712.49	1.3	< 1700.13	8.2	1712.86
11/22/22	0.20	1715.81	1.2	1712.62	1.2	1713.25	0.73	1707.59	0.67	1711.57	4.3	1718.94	0.51	1719.84	2.8	1712.56	1.3	< 1700.13	8.2	1712.57
11/23/22	0.20	1715.82	1.1	1713.17	1.2	1713.23	0.73	1707.59	0.63	1711.56	4.3	1718.84	0.50	1719.86	2.7	1712.69	1.3	< 1700.13	8.2	1712.31
11/24/22	0.20	1715.81	1.1	1713.30	1.2	1713.21	0.72	1707.59	0.65	1711.44	4.3	1718.74	0.48	1719.86	2.7	1712.74	1.3	< 1700.19	8.2	1712.11
11/25/22	0.20	1715.84	1.1	1713.42	1.2	1713.44	0.72	1707.59	0.63	1711.40	4.3	1718.67	0.47	1719.87	2.7	1712.79	1.3	< 1700.19	8.1	1711.95
11/26/22	0.19	1715.88	1.1	1713.52	1.2	1713.54	0.72	1707.59	0.64	1711.42	4.3	1718.63	0.46	1719.89	2.7	1712.85	1.3	< 1700.19	8.1	1711.84
11/27/22	0.19	1715.88	1.1	1713.45	1.2	1713.51	0.72	1707.59	0.64	1711.26	4.3	1718.58	0.45	1719.94	2.7	1712.85	1.2	< 1700.19	8.1	1711.71
11/28/22	0.19	1715.94	1.1	1713.39	1.2	1713.51	0.73	1707.59	0.63	1711.44	4.3	1718.58	0.44	1720.00	2.7	1712.86	1.2	< 1700.19	8.1	1711.64
11/29/22	0.19	1715.87	1.1	1713.35	1.2	1713.53	0.72	1707.59	0.65	1711.24	4.3	1718.50	0.43	1720.00	2.7	1712.89	1.2	< 1700.19	8.1	1711.47
11/30/22	0.19	1715.84	1.1	1713.49	1.3	1711.39	0.72	1707.59	0.70	1711.12	4.3	1718.44	0.59	1717.67	2.9	1710.83	1.2	< 1700.19	8.1	1711.36
Monthly Average	0.22	1715.60	0.88	1715.02	1.3	1710.24	0.71	1707.64	0.60	1711.96	4.2	1718.99	0.51	1719.59	2.5	1713.32	1.3	1700.10	6.0	1716.64
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 ¹⁵ (mg/L)	Date
Perchlorate	570	11/8/2022	560	11/8/2022	310	11/8/2022	810	11/8/2022	800	11/8/2022	510	11/9/2022	580	11/8/2022	580	11/8/2022	370	11/8/2022	150	11/9/2022
Hexavalent Chromium	14	11/8/2022	0.88	11/8/2022	1.7	11/8/2022	16	11/8/2022	13	11/8/2022	8.67	11/9/2022	10	11/8/2022	9.2	11/8/2022	1.3	11/8/2022	4.6	11/9/2022
Total Chromium	14	11/8/2022	0.83	11/8/2022	1.6B	11/8/2022	16	11/8/2022	15	11/8/2022	7.6	11/9/2022	10	11/8/2022	9.6	11/8/2022	1.2	11/8/2022	4.2	11/9/2022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 B = Compound was found in the blank and sample.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 11/04, 11/16, and 11/17, IWF offline due to maintenance.
 4: On 11/09, I-R and I-Z adjusted to meet flow targets as directed by the Trust.
 5: On 11/15 and 11/16, I-B, I-I, I-O, I-S, I-W, and I-Z offline due to maintenance.
 6: On 11/08, I-E, I-H, I-M, I-N, and I-X adjusted to meet flow targets as directed by the Trust.
 8: On 11/30, I-F, I-M, I-N, I-S, I-W, and I-X adjusted to meet flow targets as directed by the Trust.
 9: On 11/03, I-H, I-O, I-P, I-R, and I-W adjusted to meet flow targets as directed by the Trust.
 11: On 11/03, 11/09, 11/17, and 11/24, I-L and I-Y water level taken manually due to water level dropping below transducer.
 13: On 11/19, I-R adjusted to meet flow targets as directed by the Trust.
 14: From 11/04 to 11/06, I-S offline due to maintenance.
 15: On 11/06, I-Z offline due to maintenance.
 16: Duplicates taken on 11/09 for well I-Z; average of both values is presented and used for calculations.

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 ₂ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
11/01/22 ³	838	61				39				876		54				
11/02/22	839	58	0.34	ND	410	0.0				897		50		10	0.21	0.0073
11/03/22	840	62				0.1				901		52				
11/04/22	839	56				0.1				894		53				
11/05/22	839	50				0.1				889	50	51				
11/06/22	839	55				0.1				895		55				
11/07/22	839	52				0.0				891		51				
11/08/22	840	58				0.0				898		57				
11/09/22	833	62	0.24	ND	390	0.1				895		59	110	11	0.19	0.016
11/10/22	833	62				0.1				899		50				
11/11/22	842	58				0.2				900		55				
11/12/22	842	58				0.1				901	48	48				
11/13/22	831	57				0.1				894		47				
11/14/22	829	57				2.0	0.094	0.0455	35	884		51				
11/15/22	840	33				0.2				872		49				
11/16/22	648	34				0.1				860		52				
11/17/22	852	62	0.27	ND	350	0.1				914		55		10	0.076	0.0076
11/18/22	857	62				0.1				919		50				
11/19/22	844	63				0.2				906	49	51				
11/20/22	851	62				0.2				913		51				
11/21/22	809	63	0.30	ND	410	0.2				872		50		10	0.072	0.0045
11/22/22	843	63				0.2				906		52				
11/23/22	845	63				0.1				907		45				
11/24/22	849	63				0.1				912		42				
11/25/22	846	63				0.1				909		49				
11/26/22	839	62				0.2				901	50	47				
11/27/22	846	63				0.1				909		48				
11/28/22	839	63				0.1				901		47				
11/29/22	840	62				0.2				902		53				
11/30/22	831	62	0.20	ND	370	0.2				893		51		10	0.076	0.0070
Monthly Average ²	833	58	0.27	ND	385	1.5	0.094	0.046	35	897	49	51	110	10	0.13	0.009

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 = Eurofins TestAmerica data.
 2: All average concentrations reported are monthly flow weighted averages.
 3: On 11/01, FBR Treatment Plant offline briefly due to maintenance.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics														
Date	1st Stage FBR ⁴			2nd Stage FBR ⁴			FBR Plant Effluent ¹							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁵ (gpm)	TA - ClO ₂ (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)
11/01/22 ³	911	6.6	-384	789	6.8	-374	749		0.0					61
11/02/22	936	6.5	-381	835	6.8	-389	929		0.0		0.012	ND	0.034 J	54
11/03/22	919	6.5	-379	783	6.7	-384	923		0.0					46
11/04/22	904	6.5	-398	869	6.7	-390	919		0.0					48
11/05/22	927	6.5	-407	595	6.7	-396	922	ND	0.0					40
11/06/22	931	6.5	-391	676	6.8	-398	924		0.0					64
11/07/22	962	6.5	-406	639	6.8	-400	917		0.0					100
11/08/22	984	6.3	-401	801	6.7	-396	936		0.0					74
11/09/22	948	6.4	-414	875	6.7	-394	933		0.0	ND	0.013	ND	0.13	48
11/10/22	976	6.4	-389	600	6.7	-390	937		0.0					19
11/11/22	953	6.5	-383	685	6.7	-391	937		0.0					20
11/12/22	957	6.5	-380	852	6.7	-391	932	0.002 J	0.0					17
11/13/22	1057	6.5	-398	751	6.7	-390	923		0.0					26
11/14/22	920	6.5	-375	725	6.7	-391	886		0.0					32
11/15/22	931	6.5	-381	634	6.7	-407	812		0.0					33
11/16/22	913	6.4	-341	681	6.7	-356	889		0.0					25
11/17/22	954	6.4	-367	811	6.6	-379	778		0.0		0.025	ND	0.016 J	15
11/18/22	910	6.4	-396	925	6.6	-377	894		0.0					15
11/19/22	859	6.4	-393	642	6.6	-384	819	0.0038 J	0.0					17
11/20/22	894	6.5	-363	862	6.7	-388	919		0.0					14
11/21/22	909	6.4	-397	905	6.6	-378	929		0.0		0.0058 J	ND	0.035 J	14
11/22/22	884	6.4	-310	820	6.7	-382	899		0.0					13
11/23/22	884	6.4	-310	820	6.7	-382	899		0.0					4
11/24/22	886	6.4	-283	815	6.7	-368	895		0.0					15
11/25/22	896	6.4	-320	802	6.7	-357	891		0.0					16
11/26/22	899	6.4	-341	839	6.7	-352	896	ND	0.0					17
11/27/22	889	6.4	-349	590	6.7	-352	885		0.0					28
11/28/22	903	6.4	-355	552	6.7	-355	903		0.0					19
11/29/22	931	6.4	-361	814	6.7	-351	890		0.0					13
11/30/22	920	6.5	-315	865	6.7	-344	909		0.0		0.012	ND	0.067	16
Monthly Average ²	925	6.4	-370	762	6.7	-379	896	0.0013	ND	ND	0.012	ND	0.059	31

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 = Eurofins TestAmerica data.

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

3: On 11/01, FBR Treatment Plant offline briefly due to maintenance.

4: 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.

5: 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 ¹				
Date	Field Measurement (ft)	Volume (MG)		
11/15/22	29.2	37.7		
11/30/22	29.2	37.7		

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
11/08/22	0.0	0.0	56	0.0
11/23/22	0.0	0.0	70	0.0

GW-11 Composite Sample ³		
Analytes	Concentration	Units
Perchlorate	2.8	mg/L
Chlorate	5.0	mg/L
Ammonia as N	0.44	mg/L
Total Phosphorus	0.80	mg/L
Total Dissolved Solids (TDS)	16,000 D	mg/L
Total Suspended Solids (TSS)	56 D	mg/L
pH	8.6 HF	s.u.
Calcium	770	mg/L
Iron	0.82	mg/L
Chromium (total)	0.0092	mg/L
Chromium VI	ND Q	mg/L
Chloride	6,100	mg/L
Nitrate as N	2.1	mg/L
Sulfate	4,800	mg/L

Notes:

D = Result was obtained from the analysis of a dilution.

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; NO₃-N= 0.055 mg/L).

Q = Sample was prepared and/or analyzed past holding time as defined in the method.

1: A transducer installed along the eastern berm provides water pressure measurements that are correlated to elevations for calculation of water depths.

2: Pumping occurs over three consecutive days. The total amount pumped over the three day period is listed with the last day pumping occurred.

3: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: November 21, 2022.

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 (mg/L)	NO ₃ as N (mg/L)	ClO ₃ (mg/L)		
Dec 2021	934	42	10	110	391	471
Jan 2022	992	58	11	120	481	457
Feb 2022	1,050	56	18	110	563	466
Mar 2022	1,022	50	20	110	556	477
Apr 2022	957	59	17	110	509	485
May 2022	944	56	14	110	471	495
June 2022	921	52	12	110	430	502
July 2022	912	50	12	100	402	488
Aug 2022	911	50	11	120	429	466
Sep 2022	852	54	11	110	392	439
Oct 2022	909	54	10	110	410	422
Nov 2022	897	49	10	110	397	410

Notes:

Concentrations and flow are presented as monthly average.

1: Flow used in loading calculation is average monthly FBR influent flow.

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

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 ² (gpm)	Water Elevation (ft amsl)
11/01/22	3.0	1713.13	0.83	1712.48	1.1	1709.51	0.79	1717.24	0.88	1716.64	0.84	1717.10	0.92	1717.90	0.32	1716.45
11/02/22	3.3	1713.08	0.70	1712.31	1.0	1709.41	0.81	1717.52	0.91	1717.00	0.93	1717.43	0.89	1718.71	0.26	1715.77
11/03/22	3.1	1712.68	0.72	1711.86	0.60	1709.51	0.78	1717.22	0.89	1716.76	0.91	1717.19	0.91	1717.61	0.24	1714.80
11/04/22	3.2	1712.32	0.76	1712.56	0.90	1711.57	0.77	1717.76	0.91	1717.27	0.90	1719.03	0.92	1718.61	0.18	1715.54
11/05/22	3.2	1711.65	0.73	1712.35	0.88	1712.45	0.77	1717.27	0.93	1717.67	0.89	1717.30	0.94	1716.86	0.38	1712.90
11/06/22	3.3	1712.88	0.80	1712.88	0.86	1713.27	0.80	1716.70	0.94	1718.41	0.88	1717.93	0.97	1717.49	0.42	1711.41
11/07/22	3.2	1712.55	0.71	1711.49	0.94	1712.53	0.8	1716.14	1.2	1713.40	0.92	1717.16	0.94	1717.38	0.42	1710.62
11/08/22	3.1	1713.20	0.76	1714.34	0.90	1714.37	0.89	1718.82	1.2	1713.89	0.88	1719.10	1.1	1718.94	-0.01	1726.72
11/09/22	3.0	1713.50	0.69	1713.59	0.85	1714.34	0.88	1717.67	1.1	1713.68	0.89	1717.86	0.84	1717.26	0.39	1712.01
11/10/22	3.1	1713.29	0.73	1714.03	0.89	1714.78	1.00	1716.60	1	1714.48	0.94	1718.81	0.19	1716.57	0.31	1713.18
11/11/22	3.0	1713.75	0.73	1714.05	0.89	1713.25	0.96	1717.15	1.2	1713.70	0.93	1719.18	0.13	1719.24	0.31	1717.30
11/12/22	3.1	1713.60	0.71	1713.74	0.88	1712.60	0.92	1716.75	1.1	1713.67	1.1	1716.73	0.48	1716.79	0.27	1717.04
11/13/22	3.1	1713.51	0.75	1713.83	0.88	1713.02	0.92	1717.00	1.2	1713.68	1.2	1716.79	0.44	1716.85	0.23	1717.10
11/14/22	3.1	1713.38	0.73	1713.68	0.95	1713.30	0.88	1718.38	1.1	1716.62	0.94	1720.47	0.41	1720.53	0.15	1724.11
11/15/22	3.1	1713.31	0.72	1713.85	0.82	1713.07	0.93	1717.11	1.1	1714.72	0.92	1717.95	0.48	1718.01	0.31	1715.85
11/16/22	3.0	1716.91	0.69	1716.78	0.88	1718.31	0.87	1719.67	1.1	1718.90	0.87	1717.88	0.47	1717.51	0.28	1715.97
11/17/22	2.5	1714.83	0.69	1714.94	0.53	1714.33	0.44	1717.32	0.47	1717.94	0.36	1722.37	0.23	1724.09	0.01	1721.73
11/18/22	3.0	1714.00	0.75	1714.39	0.68	1713.38	0.90	1716.79	1.1	1716.37	0.71	1722.62	0.46	1724.17	0.00	1721.38
11/19/22	2.9	1714.22	0.78	1713.70	0.68	1712.69	0.91	1716.73	1.1	1716.49	1.0	1718.00	0.97	1717.69	0.14	1719.65
11/20/22	2.9	1714.26	0.92	1714.22	0.76	1712.50	0.90	1718.57	1.1	1716.24	0.93	1718.91	0.93	1718.99	0.39	1710.12
11/21/22	2.9	1713.09	0.94	1713.90	0.75	1712.27	0.94	1716.70	1.1	1715.53	0.98	1716.39	1.0	1716.31	0.38	1709.63
11/22/22	2.9	1713.31	0.95	1713.31	0.76	1712.15	0.95	1716.79	1.0	1716.09	0.98	1717.67	1.0	1717.16	0.36	1710.29
11/23/22	3.0	1713.53	0.94	1711.78	0.74	1711.74	0.86	1716.42	1.0	1716.14	0.84	1718.05	0.93	1716.98	0.38	1710.01
11/24/22	3.1	1714.41	0.96	1709.73	0.79	1711.47	0.99	1716.40	1.0	1716.47	0.77	1719.63	0.92	1716.49	0.38	1710.10
11/25/22	3.0	1713.28	0.94	1709.94	0.67	1711.37	1.0	1716.97	1.0	1716.40	1.0	1717.90	0.99	1716.33	0.37	1710.06
11/26/22	3.0	1713.35	0.96	1710.21	0.74	1711.01	0.94	1716.51	1.0	1716.31	0.99	1717.79	0.98	1716.01	0.35	1710.12
11/27/22	3.6	1713.58	1.1	1710.34	0.97	1715.87	0.96	1717.57	1.0	1716.14	0.99	1717.70	0.97	1717.86	0.34	1710.17
11/28/22	2.4	1713.67	0.97	1710.27	0.75	1713.66	1.0	1716.76	1.1	1715.82	0.97	1717.43	0.97	1717.66	0.33	1710.61
11/29/22	3.1	1713.53	0.71	1710.41	0.63	1713.78	0.82	1716.61	1.0	1715.71	0.98	1717.46	0.96	1717.68	0.35	1710.50
11/30/22	3.1	1713.56	0.90	1710.24	0.78	1713.82	0.87	1716.45	1.0	1715.58	0.95	1717.05	0.95	1717.43	0.36	1710.43
Monthly Average	3.0	1713.51	0.81	1712.73	0.81	1712.85	0.88	1717.18	1.0	1715.93	0.91	1718.23	0.78	1718.04	0.29	1714.38
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L) ³	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date
Perchlorate	490	11/9/2022	845	11/9/2022	360	11/9/2022	70	11/9/2022	390	11/9/2022	890	11/9/2022	910	11/9/2022	1,100	11/9/2022
Hexavalent Chromium	0.096	11/7/2022	0.60	11/7/2022	0.71	11/7/2022	0.029	11/7/2022	0.028	11/7/2022	0.093	11/7/2022	0.092	11/7/2022	0.26	11/7/2022
Total Chromium	0.087	11/9/2022	0.55	11/9/2022	0.65	11/9/2022	0.034	11/9/2022	0.027	11/9/2022	0.084	11/9/2022	0.081	11/9/2022	0.230	11/9/2022

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 Eurofins TestAmerica.
 2: On 11/08, E2-5 flow meter offline due to maintenance.
 3: Duplicates taken on 11/09 for well E1-2; average of both values is presented and used for calculations.

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

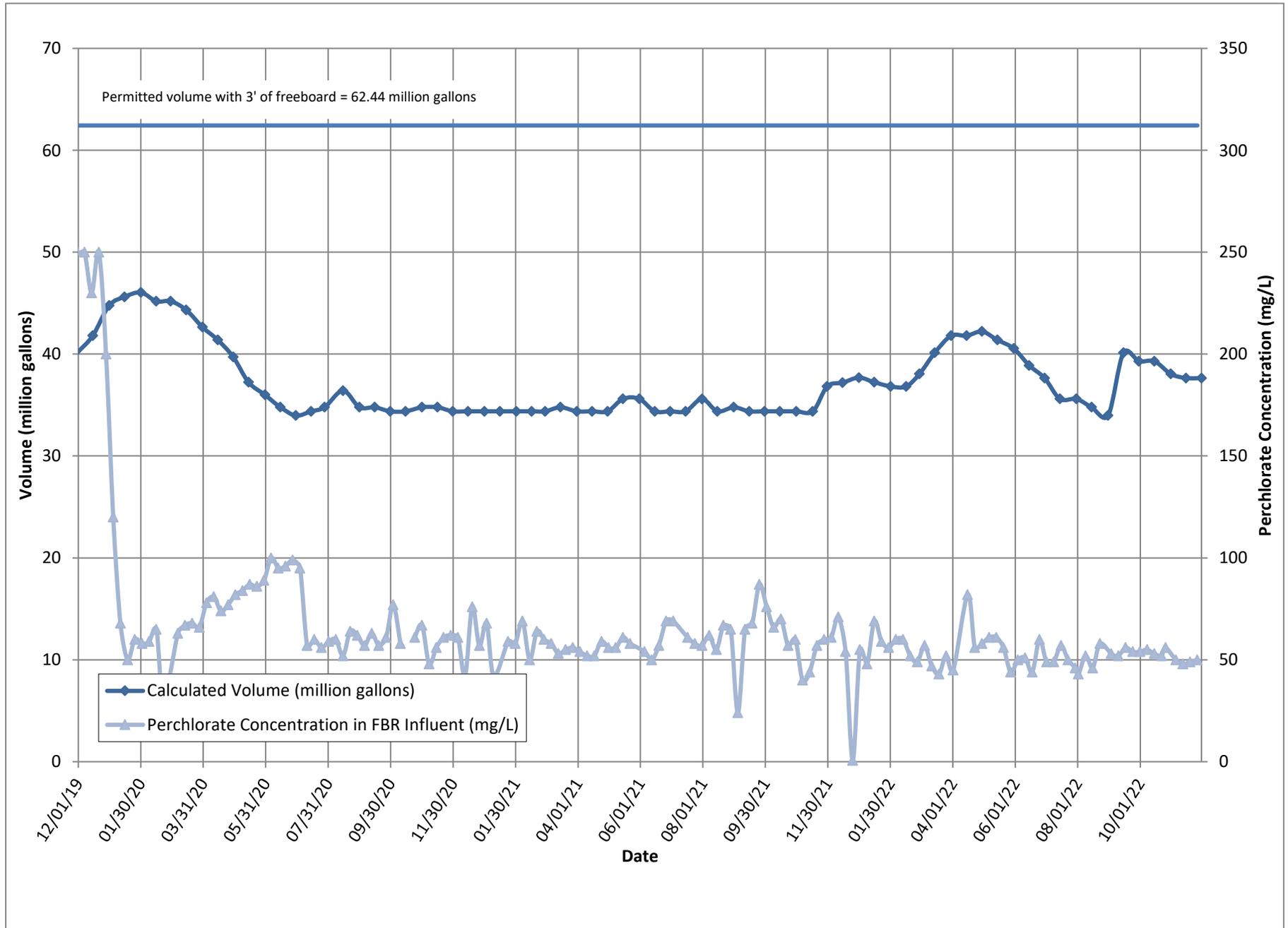


Figure 2 - FBR Equivalent Loading Calculation

