

Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																					
Date	LS #1	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 ² (gpm)	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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation ⁴ (ft amsl)		
04/01/21	462	162	1550.00	96	1539.63	130	1542.84	108	1536.50	71	1547.31	102	1548.11	50	1549.25	20	1550.24	9.8	< 1520.00		
04/02/21	456	163	1550.00	96	1539.58	131	1542.85	108	1536.49	71	1547.33	96	1548.21	50	1549.27	20	1550.24	9.8	< 1520.00		
04/03/21	456	162	1550.00	96	1539.56	131	1542.81	108	1536.46	71	1547.29	102	1548.08	50	1549.22	20	1550.20	9.8	< 1520.00		
04/04/21	459	162	1550.00	96	1539.54	131	1542.79	108	1536.43	71	1547.28	102	1548.07	50	1549.20	20	1550.18	9.8	< 1520.00		
04/05/21	458	162	1550.00	96	1539.48	131	1542.78	108	1536.42	71	1547.27	102	1548.05	50	1549.18	20	1550.17	9.8	< 1520.00		
04/06/21	458	162	1550.00	96	1539.52	130	1542.75	108	1536.38	71	1547.25	102	1548.02	50	1549.15	20	1550.13	9.7	< 1520.00		
04/07/21	457	162	1541.62	96	1539.50	130	1542.74	108	1536.37	71	1547.24	102	1548.00	50	1549.14	20	1550.12	9.8	< 1520.00		
04/08/21	457	162	1536.40	96	1539.46	130	1542.72	108	1536.35	71	1547.23	102	1547.99	50	1549.12	20	1550.10	9.7	< 1520.00		
04/09/21	455	162	1536.37	96	1539.46	130	1542.80	108	1536.32	71	1547.22	102	1547.97	50	1549.10	20	1550.08	9.7	< 1520.00		
04/10/21	454	162	1536.44	96	1539.46	130	1542.70	108	1536.37	71	1547.23	102	1547.96	50	1549.10	20	1550.07	9.7	1520.05		
04/11/21	457	163	1536.47	96	1539.57	131	1542.62	108	1536.36	71	1547.22	102	1547.95	50	1549.08	20	1550.06	9.7	< 1520.00		
04/12/21	459	163	1536.41	96	1539.52	130	1542.63	108	1536.33	71	1547.21	102	1547.93	50	1549.07	20	1550.04	9.7	< 1520.00		
04/13/21	468	163	1536.38	96	1539.48	130	1542.56	108	1536.31	71	1547.20	102	1547.92	50	1549.05	20	1550.03	9.7	< 1520.00		
04/14/21	461	163	1536.35	96	1539.47	130	1542.67	108	1536.28	71	1547.19	102	1547.91	50	1549.03	20	1550.01	9.7	< 1520.00		
04/15/21	462	163	1536.34	96	1539.49	130	1542.84	108	1536.25	71	1547.18	102	1547.89	50	1549.02	20	1550.00	9.7	< 1520.00		
04/16/21	462	163	1536.34	96	1539.47	130	1542.85	108	1536.24	71	1547.18	102	1547.89	50	1549.02	20	1550.00	9.7	< 1520.00		
04/17/21	464	163	1536.34	96	1539.49	130	1542.93	108	1536.24	71	1547.19	102	1547.89	50	1549.03	20	1550.01	9.7	< 1520.00		
04/18/21	464	163	1536.34	96	1539.49	130	1542.94	108	1536.23	71	1547.20	102	1547.90	50	1549.04	20	1550.02	9.7	< 1520.00		
04/19/21	462	163	1536.34	96	1539.45	130	1542.79	108	1536.24	71	1547.21	102	1547.92	50	1549.05	20	1550.03	9.7	< 1520.00		
04/20/21	460	163	1536.33	96	1539.41	130	1542.66	108	1536.23	71	1547.22	102	1547.92	50	1549.06	20	1550.04	9.7	< 1520.00		
04/21/21	482	162	1536.31	96	1539.36	130	1542.54	108	1536.23	71	1547.22	102	1547.92	50	1549.05	20	1550.03	9.7	< 1520.00		
04/22/21	489	162	1536.29	96	1539.35	130	1542.64	108	1536.21	71	1547.21	102	1547.90	50	1549.04	20	1550.02	9.7	< 1520.00		
04/23/21	490	162	1536.27	96	1539.36	130	1542.71	108	1536.19	71	1547.20	102	1547.88	50	1549.02	20	1549.99	9.6	< 1520.00		
04/24/21	483	162	1536.26	96	1539.32	130	1542.66	108	1536.17	71	1547.19	102	1547.87	50	1549.00	20	1549.98	9.6	< 1520.00		
04/25/21	483	162	1536.24	96	1539.29	130	1542.59	108	1536.16	71	1547.18	102	1547.86	50	1548.99	20	1549.96	9.6	< 1520.00		
04/26/21	482	162	1536.23	96	1539.26	130	1542.62	108	1536.15	71	1547.17	102	1547.84	50	1548.97	20	1549.95	9.6	< 1520.00		
04/27/21	483	162	1536.22	96	1539.28	130	1542.78	108	1536.13	71	1547.16	102	1547.82	50	1548.95	20	1549.93	9.6	< 1520.00		
04/28/21	483	162	1536.21	96	1539.31	130	1542.92	108	1536.11	71	1547.14	102	1547.81	50	1548.93	20	1549.91	9.6	< 1520.00		
04/29/21	482	162	1536.18	96	1539.31	130	1542.97	108	1536.09	71	1547.13	102	1547.79	50	1548.91	20	1549.89	9.6	< 1520.00		
04/30/21	502	161	1536.34	96	1539.32	130	1542.81	108	1536.15	71	1547.14	102	1547.79	50	1548.93	20	1549.90	9.8	1520.67		
Monthly Average	468	162	1539.23	96	1539.44	130	1542.75	108	1536.28	71	1547.21	102	1547.94	50	1549.07	20	1550.04	9.7	1520.02		
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
Perchlorate	12	4/6/2021	7.1	4/6/2021	2.0	4/6/2021	8.8	4/6/2021	1.6	4/6/2021	0.18	4/6/2021	8.8	4/6/2021	0.0083	4/6/2021	0.010	4/6/2021	0.790	4/6/2021	
Hexavalent Chromium	0.0036	4/6/2021	ND	4/6/2021	ND	4/6/2021	0.0047	4/6/2021	ND	4/6/2021	ND	4/6/2021	ND	4/6/2021	ND	4/6/2021	ND	4/6/2021	ND	4/6/2021	
Total Chromium	0.0022	4/6/2021	ND	4/6/2021	ND	4/6/2021	0.0037	4/6/2021	ND	4/6/2021	ND	4/6/2021	ND	4/6/2021	ND	4/6/2021	ND	4/6/2021	ND	4/6/2021	

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 04/14, LS1 offline briefly due to maintenance.
 3: On 04/02, PC-119 offline briefly due to maintenance.
 4: 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.
 5: Duplicates taken on 04/06 for well PC-133; average of both values is presented and used for calculations.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																		
Date	LS #3	ART-1/1A		ART-2/2A		ART-3/3A		ART-4/4A		ART-9		ART-7A/7B		ART-8/8A		PC-150		
	Flow ² (gpm)	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation ² (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)	Flow ³ (gpm)	Water Elevation (ft amsl)	
04/01/21	401	42	1583.52	152	1583.21	21	1585.93	3.3	1578.84	55	1577.67	19	1584.48	170	1583.11	1.5	1578.63	
04/02/21	397	42	1583.51	152	1583.20	21	1585.92	3.3	1578.84	55	1577.65	19	1584.48	170	1583.10	1.5	1578.63	
04/03/21	400	42	1583.51	152	1583.19	21	1585.92	3.3	1578.84	54	1577.66	19	1584.48	170	1583.10	1.5	1578.64	
04/04/21	400	42	1583.50	152	1583.19	21	1585.92	3.3	1578.84	54	1577.65	19	1584.48	170	1583.10	1.5	1578.64	
04/05/21	400	42	1583.50	152	1583.18	21	1585.93	3.3	1578.84	54	1577.65	19	1584.48	170	1583.09	1.5	1578.64	
04/06/21	400	42	1583.49	152	1583.17	21	1585.93	3.3	1578.84	54	1577.62	19	1584.47	170	1583.08	1.5	1578.63	
04/07/21	400	42	1583.48	152	1583.17	21	1585.93	3.3	1578.84	54	1577.61	19	1584.47	170	1583.08	1.5	1578.63	
04/08/21	400	42	1583.48	152	1583.17	21	1585.93	3.3	1578.85	54	1577.55	19	1584.46	170	1583.08	1.5	1578.63	
04/09/21	400	42	1583.48	151	1583.16	21	1585.93	3.3	1578.85	54	1577.55	19	1584.46	170	1583.07	1.5	1578.63	
04/10/21	400	42	1583.47	152	1583.16	21	1585.93	3.3	1578.85	54	1577.56	19	1584.46	170	1583.07	1.5	1578.63	
04/11/21	400	42	1583.47	152	1583.16	21	1585.93	3.3	1578.85	54	1577.55	19	1584.45	170	1583.07	1.5	1578.63	
04/12/21	400	42	1583.47	151	1583.15	21	1585.93	3.3	1578.85	54	1577.55	19	1584.45	170	1583.07	1.5	1578.63	
04/13/21	384	42	1580.45	154	1583.33	21	1586.03	3.3	1581.18	55	1577.79	19	1584.47	166	1583.19	1.5	1578.78	
04/14/21	398	42	1583.47	151	1583.22	21	1585.97	3.4	1580.24	54	1577.56	19	1584.44	170	1583.11	1.5	1578.63	
04/15/21	400	42	1583.47	151	1583.18	21	1585.95	3.3	1578.84	54	1577.56	19	1584.44	170	1583.07	1.5	1578.63	
04/16/21	400	42	1583.47	151	1583.16	21	1585.94	3.3	1578.84	54	1577.56	19	1584.43	170	1583.06	1.5	1578.63	
04/17/21	400	42	1583.47	151	1583.16	21	1585.94	3.3	1578.84	54	1577.54	19	1584.43	170	1583.06	1.5	1578.63	
04/18/21	400	42	1583.48	151	1583.16	21	1585.94	3.3	1578.84	54	1577.55	19	1584.43	171	1583.06	1.5	1578.63	
04/19/21	397	42	1583.49	151	1583.17	21	1585.95	3.3	1578.84	54	1577.56	19	1584.44	171	1583.07	1.5	1578.63	
04/20/21	397	42	1583.49	151	1583.18	21	1585.96	3.3	1578.84	54	1577.54	19	1584.45	171	1583.08	1.5	1578.63	
04/21/21	400	42	1583.50	151	1583.19	21	1585.96	3.3	1578.84	54	1577.54	19	1584.33	170	1583.08	1.5	1578.63	
04/22/21	397	42	1583.51	151	1583.19	21	1585.97	3.3	1578.84	54	1577.54	19	1584.45	171	1583.09	1.5	1578.63	
04/23/21	400	42	1583.51	152	1583.19	21	1585.97	3.3	1578.84	54	1577.54	19	1584.56	171	1583.09	1.5	1578.63	
04/24/21	400	42	1583.52	151	1583.20	21	1585.98	3.3	1578.84	54	1577.54	19	1584.54	171	1583.10	1.5	1578.63	
04/25/21	387	42	1583.57	151	1583.30	21	1586.02	3.4	1578.84	54	1577.49	19	1584.49	156	1582.48	1.5	1578.63	
04/26/21	379	42	1583.78	151	1583.64	22	1586.24	3.5	1578.84	54	1577.47	18	1584.53	150	1582.44	1.5	1578.63	
04/27/21	398	42	1583.64	151	1583.35	21	1586.10	3.4	1578.84	54	1577.47	18	1584.71	171	1583.21	1.5	1578.63	
04/28/21	401	42	1583.61	151	1583.30	21	1586.07	3.4	1578.84	54	1577.47	19	1584.86	171	1583.17	1.5	1578.63	
04/29/21	401	42	1583.59	151	1583.28	21	1586.06	3.4	1578.84	54	1577.47	19	1584.91	171	1583.15	1.5	1578.63	
04/30/21	401	42	1583.59	151	1583.28	21	1586.06	3.4	1578.84	54	1577.46	19	1584.72	171	1583.15	1.5	1578.63	
Monthly Average	398	42	1583.42	152	1583.22	21	1585.97	3.3	1578.97	54	1577.56	19	1584.51	169	1583.06	1.5	1578.64	
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
Perchlorate	25	4/6/2021	8.5	4/6/2021	180	4/6/2021	110	4/6/2021	140	4/6/2021	74	4/6/2021	70	4/6/2021	48	4/6/2021	48	4/6/2021
Hexavalent Chromium	ND	4/6/2021	0.0043	4/6/2021	0.32	4/6/2021	0.14	4/6/2021	0.55	4/6/2021	0.44	4/6/2021	0.081	4/6/2021	0.041	4/6/2021	0.041	4/6/2021
Total Chromium	ND	4/6/2021	ND	4/6/2021	0.33	4/6/2021	0.14	4/6/2021	0.57	4/6/2021	0.44	4/6/2021	0.075	4/6/2021	0.043	4/6/2021	0.043	4/6/2021

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; ClO₃ = 10 ug/L; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 B = Compound was found in the blank and sample.
 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 04/25, LS3 and ART-8A offline due to maintenance.
 3: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 01/01-01/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.
 4: Duplicates taken on 04/06 for well PC-150; average of both values is presented and used for calculations.

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 ³ (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 ⁶ (gpm)	Water Elevation (ft amsl)	Flow ^{7,8} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
04/01/21	0.22	1720.41	0.98	1708.48	0.01	1719.43	0.00	1726.50	0.93	1721.70	0.44	1710.33	3.6	1708.20	1.2	1721.08	1.0	1717.26	4.3	1720.36
04/02/21	0.22	1720.59	0.97	1708.70	0.00	1719.56	0.00	1726.48	0.92	1721.80	0.34	1712.71	3.6	1708.30	1.2	1721.05	0.99	1717.33	4.2	1720.34
04/03/21	0.21	1720.82	0.97	1708.65	0.00	1719.57	0.00	1726.42	0.93	1721.68	0.24	1714.71	3.5	1708.21	1.2	1721.01	0.99	1717.27	4.3	1720.31
04/04/21	0.21	1720.85	0.96	1708.78	0.00	1719.58	0.00	1726.37	0.94	1721.66	0.22	1715.48	3.5	1708.21	1.2	1720.99	1.0	1717.28	4.3	1720.30
04/05/21	0.21	1720.89	0.92	1709.59	0.00	1719.60	0.00	1726.38	0.90	1721.94	0.30	1713.89	3.5	1708.87	1.2	1721.03	0.93	1717.56	4.1	1720.35
04/06/21	0.21	1720.92	0.95	1709.12	0.00	1719.56	0.00	1726.37	0.94	1721.68	0.40	1712.35	3.6	1708.32	1.5	1720.67	0.97	1717.39	4.2	1720.29
04/07/21	0.20	1721.04	0.95	1709.09	0.00	1719.57	0.00	1726.37	0.97	1721.46	0.34	1714.33	3.6	1708.31	1.6	1720.38	0.95	1717.50	4.2	1720.26
04/08/21 ¹	0.20	1721.12	0.94	1709.31	0.00	1719.56	0.011	1726.12	0.97	1721.48	0.29	1715.18	3.5	1708.37	1.7	1720.21	0.93	1717.62	4.2	1720.25
04/09/21	0.20	1721.12	0.93	1709.38	0.00	1719.53	0.00	1726.72	0.98	1721.39	0.26	1715.22	3.5	1708.23	1.7	1720.03	0.93	1717.59	4.3	1720.22
04/10/21	0.20	1721.19	0.92	1709.70	0.00	1719.52	0.00	1726.71	0.98	1721.38	0.27	1715.11	3.5	1708.23	1.6	1719.99	0.92	1717.60	4.3	1720.20
04/11/21	0.19	1721.19	0.90	1710.08	0.00	1719.52	0.0	1726.67	0.98	1721.39	0.24	1715.18	3.5	1708.23	1.6	1719.92	0.92	1717.56	4.3	1720.18
04/12/21	0.19	1721.19	0.90	1710.10	0.00	1719.52	0.00	1726.64	0.99	1721.36	0.24	1715.17	3.5	1708.23	1.6	1719.90	0.92	1717.55	4.2	1720.16
04/13/21	0.19	1721.28	0.92	1709.68	0.00	1719.52	0.00	1726.61	0.98	1721.38	0.28	1715.28	3.5	1708.23	1.6	1719.81	0.92	1717.55	4.2	1720.15
04/14/21	0.20	1721.20	0.91	1709.75	0.00	1719.51	0.00	1726.67	0.98	1721.40	0.30	1715.29	3.5	1708.24	1.6	1719.70	0.91	1717.56	4.2	1720.12
04/15/21	0.20	1721.19	0.91	1709.81	0.00	1719.50	0.00	1726.63	0.97	1721.38	0.28	1715.55	3.5	1708.24	1.6	1719.64	1.1	1716.33	4.2	1720.10
04/16/21 ²	0.19	1721.22	0.91	1709.83	0.00	1719.53	0.00	1726.58	0.96	1721.50	0.21	1716.94	3.5	1708.31	1.6	1719.60	1.1	1716.44	4.2	1720.08
04/17/21 ³	0.19	1721.31	0.90	1709.87	0.00	1719.53	0.00	1726.57	0.93	1721.64	0.35	1713.13	3.5	1708.52	1.6	1719.53	0.95	1717.14	4.2	1720.09
04/18/21	0.19	1721.36	0.91	1709.69	0.00	1719.53	0.00	1726.51	0.94	1721.60	0.30	1714.94	3.5	1708.35	1.6	1719.35	0.94	1717.25	4.2	1720.05
04/19/21	0.18	1721.41	0.91	1709.73	0.00	1719.54	0.00	1726.49	0.95	1721.60	0.28	1715.50	3.5	1708.24	1.6	1719.24	0.93	1717.28	4.3	1720.02
04/20/21	0.18	1721.49	0.90	1709.91	0.00	1719.53	0.00	1726.48	0.95	1721.62	0.28	1714.89	3.5	1708.24	1.6	1719.20	0.91	1717.35	4.2	1720.00
04/21/21	0.19	1721.36	0.90	1709.87	0.00	1719.52	0.00	1726.48	0.95	1721.61	0.31	1715.10	3.5	1708.24	1.6	1719.15	0.91	1717.38	4.2	1719.98
04/22/21 ⁴	0.18	1721.41	0.88	1710.24	0.00	1719.56	0.00	1726.45	0.95	1721.63	0.22	1716.82	3.5	1708.43	1.6	1719.07	0.91	1717.32	4.2	1719.97
04/23/21	0.18	1721.29	0.89	1710.08	0.00	1719.58	0.00	1726.40	0.96	1721.51	0.20	1717.37	3.5	1708.24	1.6	1718.89	0.90	1717.35	4.2	1719.93
04/24/21	0.18	1721.32	0.89	1710.16	0.00	1719.57	0.00	1726.38	0.96	1721.51	0.19	1717.53	3.5	1708.25	1.6	1718.89	0.90	1717.36	4.2	1719.90
04/25/21	0.18	1721.41	0.88	1710.40	0.00	1719.58	0.00	1726.38	0.95	1721.52	0.18	1717.62	3.5	1708.27	1.6	1718.79	0.90	1717.34	4.2	1719.88
04/26/21	0.19	1721.52	0.87	1710.44	0.00	1719.58	0.00	1726.45	0.95	1721.51	0.16	1717.95	3.5	1708.27	1.6	1718.70	0.87	1717.47	4.2	1719.85
04/27/21	0.19	1721.51	0.87	1710.53	0.00	1719.58	0.00	1726.41	0.95	1721.47	0.16	1718.09	3.5	1708.28	1.6	1718.65	0.86	1717.51	4.2	1719.82
04/28/21 ⁵	0.19	1721.36	0.86	1710.66	0.00	1719.53	0.00	1726.31	0.95	1721.44	0.46	1710.61	3.5	1708.35	1.6	1718.49	0.83	1717.65	4.2	1719.80
04/29/21	0.18	1721.31	0.85	1710.78	0.00	1719.52	0.00	1726.23	0.98	1721.27	0.42	1710.01	3.4	1708.28	1.6	1718.20	0.82	1717.72	4.2	1719.77
04/30/21	0.17	1721.49	0.84	1711.01	0.00	1719.51	0.00	1726.23	0.97	1721.30	0.37	1710.33	3.4	1708.28	1.6	1718.18	0.81	1717.74	4.2	1719.75
Monthly Average	0.19	1721.19	0.91	1709.78	0.00	1719.54	0.00	1726.47	0.96	1721.53	0.28	1714.75	3.5	1708.30	1.5	1719.64	0.93	1717.38	4.2	1720.08
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	410	4/1/2021	33	4/1/2021	160	4/1/2021	190	4/8/2021	380	4/1/2021	440	4/8/2021	570	4/1/2021	380	4/1/2021	340	4/1/2021	460	4/1/2021
Hexavalent Chromium	0.69	4/1/2021	0.055	4/1/2021	0.0041	4/1/2021	1.8	4/8/2021	1.8	4/8/2021	0.27	4/1/2021	3.2	4/1/2021	4.9	4/1/2021	6.3	4/1/2021	13	4/1/2021
Total Chromium	1.7	4/1/2021	0.058	4/1/2021	0.023	4/1/2021	1.8	4/8/2021	1.9	4/8/2021	0.29	4/1/2021	2.8	4/1/2021	4.7	4/1/2021	5.9	4/1/2021	13	4/1/2021

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
 - 1: Analytical results are reported from Eurofins TestAmerica.
 - 2: On 04/07, 04/08, 04/16, 04/17, 04/22, and 04/28, IWF offline intermittently due to maintenance at GWTP.
 - 3: On 04/09, 04/10, 04/15, and 04/16 I-AA offline briefly due to maintenance.
 - 4: On 04/01 I-AD offline briefly due to maintenance.
 - 5: On 04/28, I-B adjusted to meet target as directed by the Trust.
 - 6: On 04/08, I-D, I-H, I-O, I-N, and I-Q adjusted to meet flow target as directed by the Trust.
 - 7: On 04/15, I-E, I-R, and I-S adjusted to meet target as directed by the Trust.
 - 8: On 04/08, I-E, I-Q, I-R, and I-S adjusted to meet flow target 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 (gpm)	Water Elevation (ft amsl)	Flow ⁹ (gpm)	Water Elevation (ft amsl)	Flow ¹⁰ (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)	Flow ⁶ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
04/01/21	0.39	1721.58	0.96	1721.52	4.9	1722.99	7.4	1712.51	4.0	1708.16	1.2	1716.44	2.0	1720.46	3.1	1719.59	0.38	1722.84	1.8	1722.79
04/02/21	0.33	1721.69	0.91	1721.54	4.9	1723.00	7.4	1712.64	3.9	1708.25	1.2	1715.97	2.0	1720.44	3.0	1719.56	0.31	1722.86	1.8	1722.80
04/03/21	0.32	1721.70	0.91	1721.51	4.9	1722.97	7.4	1712.57	3.9	1708.16	1.2	1715.91	2.0	1720.40	3.0	1719.54	0.24	1722.86	1.8	1722.79
04/04/21	0.32	1721.71	0.87	1721.54	1.3	1724.12	7.4	1712.53	3.9	1708.16	1.2	1715.95	2.0	1720.38	3.0	1719.53	0.20	1722.94	1.9	1722.83
04/05/21	0.23	1721.87	0.82	1721.79	2.5	1722.01	7.3	1713.51	3.8	1708.71	1.2	1716.49	1.9	1720.47	2.9	1719.58	0.24	1723.15	1.7	1723.06
04/06/21	0.15	1722.01	1.1	1721.24	4.5	1723.10	7.5	1712.84	4.0	1708.25	1.2	1716.22	2.0	1720.39	3.3	1719.44	0.44	1723.04	1.8	1722.97
04/07/21	0.15	1722.03	1.1	1720.98	4.5	1723.01	7.4	1712.78	3.9	1708.24	1.2	1716.13	2.0	1720.35	3.3	1719.40	0.46	1722.96	1.8	1722.90
04/08/21 ²	0.20	1721.97	0.99	1722.98	4.4	1722.98	7.4	1712.78	3.9	1708.29	1.2	1716.09	2.0	1720.32	3.3	1719.40	0.45	1722.93	1.8	1722.88
04/09/21	0.23	1721.87	1.0	1720.93	4.5	1722.93	7.4	1712.65	3.9	1708.15	1.2	1715.70	2.0	1720.26	3.3	1719.37	0.46	1722.88	1.8	1722.82
04/10/21	0.23	1721.87	1.1	1720.94	4.5	1722.91	7.4	1712.54	3.9	1708.16	1.2	1715.57	2.0	1720.21	3.3	1719.35	0.43	1722.86	1.8	1722.81
04/11/21	0.23	1721.87	1.0	1720.98	4.5	1722.90	7.4	1712.49	3.9	1708.16	1.2	1715.50	2.0	1720.15	3.3	1719.33	0.45	1722.85	1.8	1722.80
04/12/21	0.23	1721.86	1.1	1720.97	4.5	1722.88	7.4	1712.52	3.9	1708.16	1.2	1715.44	2.0	1720.11	3.3	1719.31	0.45	1722.84	1.8	1722.79
04/13/21	0.23	1721.86	1.1	1720.97	4.5	1722.88	7.4	1712.47	3.9	1708.15	1.2	1715.39	2.0	1720.07	3.3	1719.29	0.47	1722.84	1.8	1722.78
04/14/21	0.22	1721.84	1.1	1720.97	4.5	1722.85	7.4	1712.59	3.9	1708.15	1.2	1715.36	2.0	1720.03	3.3	1719.27	0.48	1722.81	1.8	1722.75
04/15/21	0.23	1721.83	1.1	1721.02	4.5	1722.83	7.3	1712.71	3.9	1708.16	1.2	1715.27	2.1	1719.97	3.3	1719.24	0.48	1722.78	1.8	1722.73
04/16/21 ²	0.22	1721.83	1.1	1721.07	4.5	1722.82	7.3	1712.81	3.9	1708.22	1.2	1715.24	2.0	1719.93	3.3	1719.23	0.47	1722.77	1.9	1722.71
04/17/21 ²	0.21	1721.85	1.1	1721.18	4.5	1722.84	7.2	1713.10	3.9	1708.43	1.2	1715.73	2.0	1719.96	3.3	1719.23	0.42	1722.77	1.8	1722.72
04/18/21	0.20	1721.86	1.1	1721.15	4.5	1722.82	7.3	1712.84	3.9	1708.27	1.2	1715.72	2.0	1719.91	3.4	1719.18	0.39	1722.76	1.8	1722.71
04/19/21	0.20	1721.87	1.01	1721.14	4.5	1722.83	5.9	1717.85	4.0	1708.15	1.2	1715.62	2.0	1719.87	3.3	1719.16	0.39	1722.77	1.8	1722.71
04/20/21	0.20	1721.87	0.95	1721.16	4.5	1722.84	7.4	1714.37	4.0	1708.15	1.2	1715.59	2.0	1719.83	3.3	1719.13	0.39	1722.78	1.8	1722.72
04/21/21	0.20	1721.87	0.94	1721.17	4.5	1722.84	7.4	1712.58	3.9	1708.15	1.2	1715.58	2.0	1719.81	3.4	1719.11	0.40	1722.78	1.8	1722.72
04/22/21 ²	0.22	1721.81	1.0	1721.18	4.4	1722.84	7.3	1713.07	3.9	1708.34	1.2	1715.88	2.0	1719.81	3.3	1719.11	0.40	1722.78	1.7	1722.74
04/23/21	0.24	1721.76	0.95	1721.14	4.5	1722.81	7.3	1712.65	3.9	1708.15	1.2	1715.68	2.0	1719.75	3.4	1719.06	0.39	1722.76	1.7	1722.72
04/24/21	0.23	1721.77	0.99	1721.14	4.5	1722.81	7.3	1712.58	3.9	1708.15	1.2	1715.63	2.0	1719.72	3.4	1719.04	0.40	1722.76	1.7	1722.73
04/25/21	0.23	1721.77	1.0	1721.16	4.5	1722.81	7.3	1712.55	3.9	1708.15	1.2	1715.61	2.0	1719.70	3.4	1719.02	0.41	1722.76	1.7	1722.73
04/26/21	0.22	1721.76	1.1	1721.14	4.5	1722.79	7.3	1712.60	3.9	1708.15	1.2	1715.60	2.0	1719.67	3.4	1718.99	0.40	1722.75	1.7	1722.71
04/27/21	0.22	1721.74	1.1	1721.12	4.5	1722.77	7.3	1712.70	3.9	1708.15	1.2	1715.58	2.0	1719.63	3.4	1718.96	0.40	1722.73	1.7	1722.69
04/28/21 ³	0.21	1721.75	1.0	1721.20	4.5	1722.77	7.2	1712.92	3.9	1708.23	1.2	1715.53	2.0	1719.64	3.3	1718.97	0.40	1722.73	1.7	1722.70
04/29/21	0.21	1721.73	0.91	1721.27	4.4	1722.76	7.3	1712.76	3.9	1708.15	1.2	1715.42	2.0	1719.60	3.2	1718.96	0.40	1722.72	1.7	1722.70
04/30/21	0.22	1721.72	0.80	1721.31	4.4	1722.77	7.3	1712.67	3.9	1708.15	1.2	1715.42	2.0	1719.58	3.2	1718.94	0.37	1722.73	1.7	1722.71
Monthly Average	0.23	1721.82	1.0	1721.18	4.3	1722.88	7.3	1712.94	3.9	1708.21	1.2	1715.71	2.0	1720.01	3.3	1719.24	0.40	1722.83	1.8	1722.77
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	660	4/1/2021	730	4/1/2021	520	4/8/2021	190	4/8/2021	240	4/8/2021	250	4/1/2021	400	4/1/2021	550	4/1/2021	540	4/1/2021	600	4/1/2021
Hexavalent Chromium	17	4/1/2021	16	4/1/2021	7.2	4/8/2021	4.2	4/8/2021	2.6	4/8/2021	1.4	4/1/2021	6.2	4/1/2021	7.3	4/1/2021	12	4/1/2021	13	4/1/2021
Total Chromium	15	4/1/2021	14	4/1/2021	7.3	4/8/2021	4.1	4/8/2021	2.9	4/8/2021	1.4	4/1/2021	5.6	4/1/2021	7.1	4/1/2021	11	4/1/2021	13	4/1/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 04/07, 04/08, 04/16, 04/17, 04/22, and 04/28, IWF offline intermittently due to maintenance at GWTP.
 6: On 04/08, I-D, I-H, I-O, I-N, and I-Q adjusted to meet flow target as directed by the Trust.
 9: On 04/04, I-I offline briefly due to maintenance.
 10: On 04/19, I-J offline briefly 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 ^{6,8,11} (gpm)	Water Elevation (ft amsl)	Flow ^{7,8} (gpm)	Water Elevation (ft amsl)	Flow ^{7,8} (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)
04/01/21	0.18	1720.42	1.1	1718.77	2.0	1716.62	0.67	1713.90	0.82	1712.63	4.4	1721.90	0.67	1722.99	3.7	1717.06	1.4	1711.72	8.5	1714.92
04/02/21	0.17	1720.47	1.0	1719.33	1.9	1716.48	0.66	1714.15	0.78	1713.20	4.4	1721.91	0.58	1723.10	3.7	1717.06	1.4	1711.88	8.3	1714.88
04/03/21	0.16	1720.51	1.0	1719.30	1.9	1716.90	0.66	1714.02	0.78	1713.16	4.4	1721.87	0.59	1723.09	3.7	1717.00	1.4	1711.79	7.8	1714.66
04/04/21	0.15	1720.53	1.1	1719.32	1.9	1717.13	0.66	1714.02	0.81	1712.79	4.4	1722.20	0.59	1723.16	3.7	1716.98	1.4	1712.04	7.4	1715.15
04/05/21	0.21	1720.33	0.97	1719.65	1.8	1718.03	0.63	1714.76	0.75	1713.75	4.2	1722.61	0.55	1723.41	3.6	1717.17	1.4	1713.00	7.9	1716.49
04/06/21	0.28	1719.99	1.00	1719.15	1.9	1718.00	0.65	1714.57	0.81	1712.95	4.4	1722.31	0.64	1723.27	3.7	1717.02	1.4	1712.53	8.2	1715.68
04/07/21	0.20	1720.33	0.97	1718.85	1.8	1717.79	0.65	1714.46	0.82	1712.71	4.4	1722.17	0.67	1723.16	3.7	1716.97	1.4	1712.58	8.5	1715.38
04/08/21 ²	0.19	1720.38	1.1	1718.59	1.9	1716.66	0.64	1714.63	0.87	1711.86	4.4	1722.13	0.66	1723.12	3.7	1716.97	1.4	1712.26	8.3	1715.30
04/09/21	0.20	1720.29	1.2	1718.20	2.0	1714.93	0.65	1714.31	0.90	1711.16	4.4	1722.04	0.70	1723.04	3.7	1716.90	1.4	1711.36	8.2	1715.02
04/10/21	0.20	1720.29	1.2	1718.32	2.0	1714.70	0.65	1714.15	0.89	1711.31	4.4	1722.01	0.67	1723.02	3.7	1716.86	1.4	1711.39	8.3	1714.94
04/11/21	0.21	1720.26	1.1	1718.37	2.0	1714.56	0.65	1714.27	0.86	1711.63	4.4	1721.99	0.64	1723.01	3.7	1716.83	1.4	1711.45	8.0	1714.86
04/12/21	0.21	1720.23	1.1	1718.42	2.0	1714.48	0.64	1714.34	0.86	1711.74	4.4	1721.96	0.62	1723.05	3.7	1716.80	1.4	1711.06	7.6	1714.79
04/13/21	0.21	1720.25	1.1	1718.51	1.9	1714.52	0.64	1714.39	0.87	1711.44	4.4	1721.95	0.64	1723.04	3.7	1716.77	1.4	1711.18	8.3	1714.75
04/14/21	0.19	1720.29	1.0	1718.52	1.9	1714.48	0.64	1714.41	0.87	1711.38	4.4	1721.91	0.64	1723.01	3.7	1716.73	1.4	1711.52	8.5	1714.63
04/15/21	0.17	1719.23	1.3	1717.85	2.1	1712.45	0.64	1714.39	0.84	1711.99	4.4	1721.86	0.64	1722.98	3.7	1716.69	1.4	1711.40	8.5	1714.52
04/16/21 ²	0.17	1719.06	1.3	1717.29	1.9	1714.01	0.64	1714.27	0.84	1711.99	4.4	1721.86	0.72	1722.86	3.7	1716.69	1.4	1711.62	8.5	1714.64
04/17/21 ²	0.17	1719.11	1.2	1717.93	1.7	1716.74	0.60	1715.16	0.82	1712.43	4.3	1721.88	0.79	1722.75	3.6	1716.78	1.4	1712.54	8.4	1714.90
04/18/21	0.25	1718.78	1.1	1717.83	1.7	1717.23	0.60	1715.35	0.81	1712.64	4.4	1721.85	0.82	1722.70	3.7	1716.71	1.4	1712.42	8.5	1714.80
04/19/21	0.26	1718.68	1.1	1717.70	1.7	1717.21	0.60	1715.39	0.81	1712.71	4.4	1721.85	0.83	1722.69	3.7	1716.64	1.4	1712.19	8.4	1714.97
04/20/21	0.27	1718.64	1.1	1717.81	1.7	1717.21	0.59	1715.43	0.80	1712.74	4.4	1721.87	0.83	1722.70	3.7	1716.60	1.4	1712.09	8.4	1714.81
04/21/21	0.27	1718.62	1.1	1717.98	1.7	1717.22	0.59	1715.47	0.78	1713.06	4.4	1721.87	0.83	1722.70	3.7	1716.56	1.4	1712.03	8.4	1714.68
04/22/21 ²	0.41	1717.82	1.0	1718.50	1.7	1716.74	0.57	1715.93	0.77	1713.30	4.4	1721.88	0.82	1722.72	3.7	1716.59	1.4	1712.70	8.3	1714.81
04/23/21	0.44	1717.56	1.0	1718.70	1.9	1715.48	0.57	1715.94	0.80	1712.86	4.4	1721.82	0.85	1722.66	3.7	1716.49	1.4	1712.46	8.2	1714.53
04/24/21	0.43	1717.62	0.94	1718.75	1.9	1715.40	0.56	1715.98	0.80	1712.77	4.3	1721.82	0.85	1722.66	3.7	1716.44	1.4	1712.41	8.2	1714.51
04/25/21	0.41	1717.66	0.87	1718.74	1.9	1715.42	0.57	1715.94	0.81	1712.60	4.4	1721.82	0.84	1722.65	3.7	1716.40	1.4	1712.38	8.4	1714.48
04/26/21	0.38	1717.80	1.0	1718.73	1.8	1715.57	0.56	1715.94	0.83	1712.10	4.4	1721.80	0.84	1722.64	3.7	1716.34	1.4	1712.37	8.5	1714.41
04/27/21	0.35	1717.91	1.0	1718.72	1.8	1715.49	0.56	1715.97	0.83	1712.08	4.4	1721.76	0.85	1722.60	3.7	1716.30	1.4	1712.50	8.5	1714.30
04/28/21 ²	0.52	1716.86	1.0	1718.79	1.8	1715.80	0.56	1715.90	0.84	1711.99	4.4	1721.76	0.83	1722.61	3.7	1716.31	1.4	1712.64	8.4	1714.44
04/29/21	0.68	1715.52	0.98	1718.92	1.8	1715.97	0.57	1715.66	0.84	1712.05	4.4	1721.73	0.79	1722.59	3.7	1716.25	1.4	1712.69	8.4	1714.46
04/30/21	0.63	1715.85	0.94	1718.95	1.8	1716.10	0.58	1715.58	0.81	1712.46	4.3	1721.75	0.72	1722.61	3.7	1716.21	1.4	1712.80	7.8	1714.51
Monthly Average	0.29	1719.04	1.1	1718.55	1.9	1715.98	0.61	1714.96	0.82	1712.38	4.4	1721.94	0.72	1722.89	3.7	1716.70	1.4	1712.10	8.3	1714.84
Analytical ¹	Conc ^{2,7} (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	570	4/1/2021	580	4/1/2021	320	4/1/2021	800	4/1/2021	560	4/8/2021	560	4/1/2021	570	4/1/2021	340	4/1/2021	280	4/8/2021		
Hexavalent Chromium	16	4/1/2021	0.95	4/1/2021	1.7	4/1/2021	18	4/1/2021	17	4/1/2021	8.0	4/8/2021	12	4/1/2021	9.7	4/1/2021	1.3	4/1/2021	6.8	4/8/2021
Total Chromium	14	4/1/2021	0.95	4/1/2021	1.8	4/1/2021	15	4/1/2021	15	4/1/2021	8.0	4/8/2021	12	4/1/2021	8.8	4/1/2021	1.4	4/1/2021	7.2	4/8/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 04/07, 04/08, 04/16, 04/17, 04/22, and 04/28, IWF offline intermittently due to maintenance at GWTP.
 6: On 04/08, I-D, I-H, I-O, I-N, and I-Q adjusted to meet flow target as directed by the Trust.
 7: On 04/15, I-E, I-R, and I-S adjusted to meet target as directed by the Trust.
 8: On 04/08, I-E, I-Q, I-R, and I-S adjusted to meet flow target as directed by the Trust.
 11: On 04/15, I-Q offline briefly due to maintenance.
 12: Duplicates taken on 04/01 for well I-Q; average of both values is presented and used for calculations.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent 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 ₄ (mg/L)	Flow ⁴ (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₄ (mg/L)	Flow (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)
04/01/21	952	72				0.00				1,028		51				
04/02/21	941	71				0.00				1,022		49				
04/03/21	944	71				0.00				1,020	54	51				
04/04/21	944	66				0.00				1,053		45				
04/05/21 ³	944	65				0.00				1,009		40	110	7.9	0.013	0.015
04/06/21	944	71				3.7	0.058	0.037	40	1,015		52				
04/07/21	942	71	0.15	ND	450	27				1,025		50				
04/08/21	944	69				0.00				1,028		53				
04/09/21	944	70				0.00				1,118		52				
04/10/21	942	70				0.00				1,026	52	54				
04/11/21	944	70				0.00				1,021		54				
04/12/21	943	70				0.00				1,021		56			0.023	0.025
04/13/21	936	71				0.00				1,021		54				
04/14/21	941	70	0.24	ND	430	0.00				1,017		55				
04/15/21	944	71				0.00				1,015		53				
04/16/21	943	70				0.00				1,014		54		8.0		
04/17/21	943	70				0.00				1,012	52	53				
04/18/21	943	71				0.00				1,082		48				
04/19/21	940	71				0.00				1,012		47				
04/20/21	940	73				0.00				1,013		48		8.7	0.020	0.022
04/21/21	952	72	0.10	ND	420	13				1,027		48				
04/22/21	940	72				0.00				992		54				
04/23/21	949	65				0.00				1,015		54				
04/24/21	943	72				0.00				1,030	59	47				
04/25/21	931	71				0.00				1,095		54				
04/26/21	922	72				0.00				1,002		55				
04/27/21	941	71				0.00				1,012		54		7.4	0.031	0.032
04/28/21	944	71	0.48	ND	470	0.00				1,016		53				
04/29/21	944	71				0.00				1,015		54				
04/30/21	956	72				0.00				1,028		54				
Monthly Average ²	943	70	0.10	ND	442	1.5	0.058	0.037	40	1,027	55	51	110	6.1	0.019	0.020

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).
 B = Compound was found in the blank and sample.
 1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data.
 2: All average concentrations reported are monthly flow weighted averages.
 3: On 04/05 Treatment Plant offline briefly due to maintenance.

Table 4 - Treatment Plant Operational Metrics

Date	1st Stage FBR ¹			2nd Stage FBR ¹			FBR Plant Effluent							
	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)
04/01/21	1,028	6.4	-278	915	6.5	-357	1,063		0.00					22
04/02/21	1,034	6.4	-245	915	6.5	-365	1,057		0.00					19
04/03/21	1,046	6.4	-237	859	6.5	-372	1,055	ND	0.00					24
04/04/21	1,070	6.5	-364	916	6.6	-394	1,065		0.00					22
04/05/21 ³	974	6.5	-317	872	6.6	-394	1,039		0.00	0.026 J	0.0025 J	ND	0.088	12
04/06/21	1,028	6.5	-308	931	6.5	-368	1,052		0.00					28
04/07/21	1,032	6.4	-327	895	6.5	-403	1,030		0.00					28
04/08/21	1,040	6.5	-189	911	6.5	-351	842		0.00					22
04/09/21	1,045	6.5	-395	917	6.6	-363	706		0.00					28
04/10/21	1,030	6.5	-394	934	6.6	-379	1,070	ND	0.00					21
04/11/21	1,031	6.5	-381	909	6.6	-383	1,060		0.00					17
04/12/21	1,043	6.5	-385	882	6.6	-387	1,047		0.00		0.0011 J	ND		24
04/13/21	1,002	6.5	-377	694	6.6	-388	1,061		0.00					18
04/14/21	1,059	6.6	-399	942	6.6	-391	1,051		0.00					27
04/15/21	1,043	6.5	-377	935	6.6	-357	841		0.00					25
04/16/21	1,027	6.5	-395	890	6.6	-395	1,052		0.00				0.031 J	25
04/17/21	1,030	6.5	-406	615	6.6	-408	1,047	ND	0.00					26
04/18/21	1,018	6.5	-404	892	6.6	-414	851		0.00					24
04/19/21	987	6.5	-412	896	6.6	-392	1,045		0.00					23
04/20/21	1,016	6.5	-395	791	6.6	-418	1,058		0.00		0.0031 J	ND	ND	32
04/21/21	1,039	6.5	-399	924	6.6	-418	1,034		0.00					20
04/22/21	1,032	6.4	-352	874	6.5	-398	946		0.00					21
04/23/21	1,051	6.5	-395	883	6.6	-412	1,054		0.00					17
04/24/21	1,049	6.5	-353	958	6.6	-421	874	ND	0.00					20
04/25/21	993	6.5	-312	939	6.6	-422	862		0.00					22
04/26/21	1,039	6.6	-306	891	6.6	-361	886		0.00					25
04/27/21	1,035	6.6	-342	908	6.6	-366	1,061		0.00		0.0018 J	ND	ND	24
04/28/21	1,032	6.6	-357	903	6.6	-368	1,060		0.00					22
04/29/21	1,032	6.6	-352	897	6.6	-361	1,058		0.00					25
04/30/21	1,059	6.6	-354	876	6.7	-371	1,018		0.00					22
Monthly Average ²	1,031	6.5	-350	885	6.6	-386	998	ND	ND	0.026	0.0019	ND	0.027	23

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 04/05 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)
04/15/21	31.7	34.4
03/31/21	31.7	34.4

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
4/13/2021	0	0	914.0	0
4/28/2021	0	0	111.8	0

GW-11 Composite Sample ³		
Analytes	Concentration	Units
Perchlorate	1.5	mg/L
Chlorate	2.1	mg/L
Ammonia as N	0.50	mg/L
Total Phosphorus	0.59	mg/L
Total Dissolved Solids (TDS)	10,000	mg/L
Total Suspended Solids (TSS)	370	mg/L
pH	10.5 HF	s.u.
Calcium	550	mg/L
Iron	0.42	mg/L
Chromium (total)	0.021	mg/L
Chromium VI	0.0011	mg/L
Chloride	4,100	mg/L
Nitrate as N	0.62	mg/L
Sulfate	3,400	mg/L

Notes:

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: A transducer installed along the eastern berm provides water pressure measurements that are correlated to elevations for calculation of water depths. Results from a December 2018 bathymetric survey of the pond will be used to identify adjustment to the procedure, if necessary.

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: February 2, 2021

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)		
Apr 2020	1,078	77	11	100	525	658
May 2020	1,065	86	11	120	582	598
June 2020	1,019	98	12	120	592	548
July 2020	1,035	66	11	91	458	536
Aug 2020	1,040	59	8.7	100	444	526
Sep 2020	1,038	59	9	120	492	516
Oct 2020	1,029	64	9	94	441	501
Nov 2020	1,037	56	10	100	451	480
Dec 2020	1,027	59	9	130	507	465
Jan 2021	1,047	54	9	110	454	465
Feb 2021	1,023	61	8	110	457	467
March 2021	1,027	55	6	110	420	455

Notes:

Concentrations and flow are presented as monthly average.

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

2: The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was decreased in March 2020 to prepare for the lower seasonal ammonia permit limits beginning April 1. AP-5 sediment mixing and solids washing activities were completed on January 4, 2020. AP-5 tank processing was completed on 7/15/20.

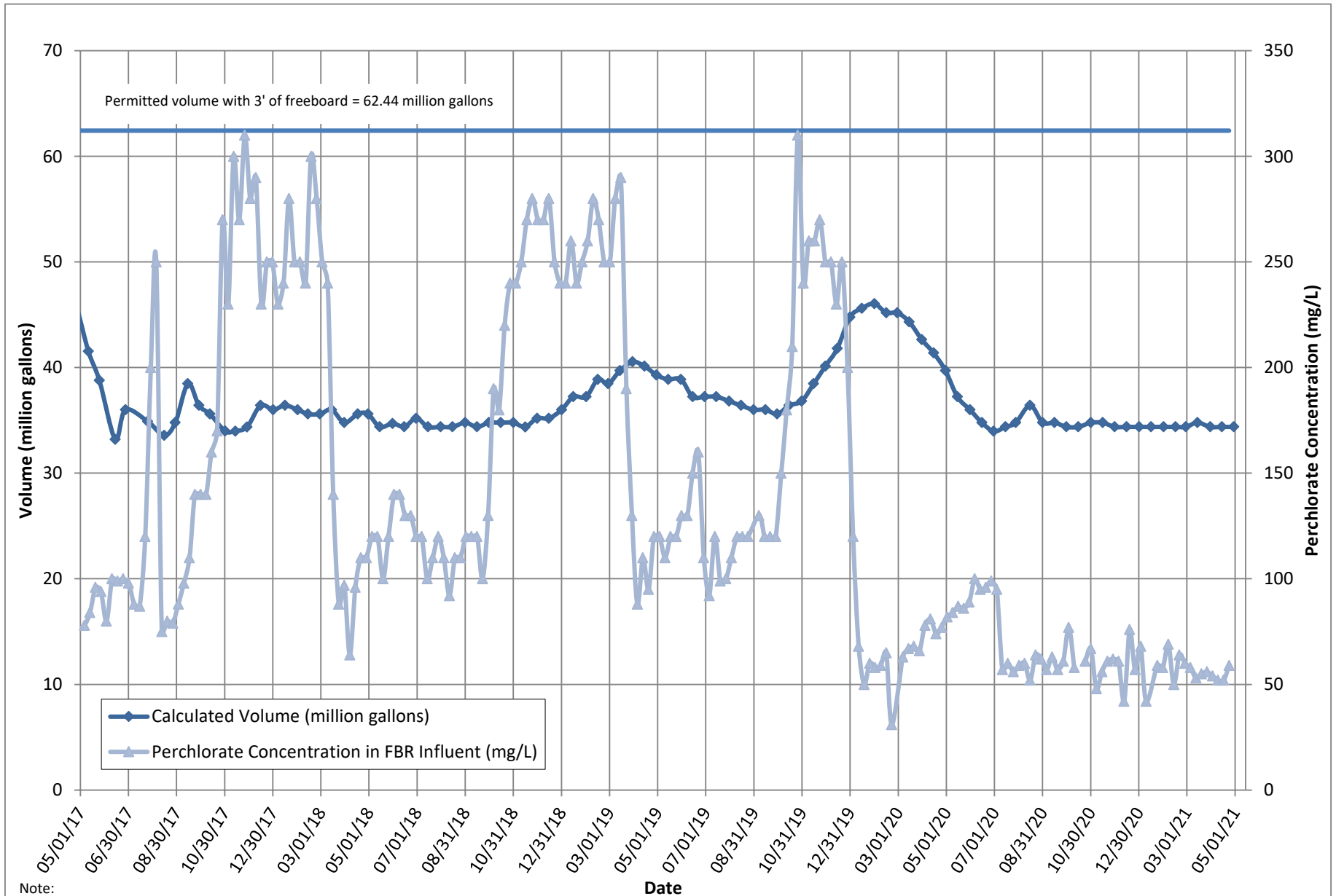
3: FBR loading calculated as $[(0.9 \times \text{NO}_3 \text{ as N} + 0.17 \times \text{ClO}_3 + 0.18 \times \text{ClO}_4) \times \text{Flow} \times 1440 / 1000000 \times 8.34]$.

Table 7 - AP Area Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E1-1		E1-2		E1-3		E2-1		E2-2		E2-3		E2-4		E2-5	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (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)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
04/01/21	2.5	1711.24	0.94	1710.08	0.78	1710.32	0.74	1716.04	1.3	1716.02	1.2	1716.74	1.4	1714.56	0.35	1715.78
04/02/21	2.5	1711.31	0.94	1709.84	0.71	1710.52	0.76	1716.24	1.3	1715.62	1.2	1716.34	1.4	1713.78	0.36	1715.67
04/03/21	2.5	1711.21	0.93	1709.88	0.71	1710.39	0.77	1716.07	1.3	1715.84	1.3	1716.52	1.4	1713.71	0.37	1715.81
04/04/21	2.6	1711.18	0.95	1709.85	0.71	1710.42	0.77	1716.17	1.3	1715.77	1.3	1716.30	1.4	1713.76	0.37	1715.41
04/05/21	2.6	1710.88	0.94	1710.26	0.71	1710.80	0.78	1715.32	1.3	1714.92	1.3	1715.80	1.4	1713.94	0.36	1716.35
04/06/21	2.5	1710.03	0.92	1709.86	0.70	1710.44	0.86	1716.74	1.2	1714.92	1.2	1716.64	1.4	1713.96	0.36	1715.32
04/07/21	2.5	1710.76	0.93	1709.68	0.70	1710.64	0.88	1716.94	1.2	1715.78	1.2	1717.05	1.4	1713.83	0.35	1715.74
04/08/21	2.5	1710.70	0.90	1709.84	0.71	1710.34	0.89	1715.44	1.2	1714.89	1.3	1717.50	1.4	1713.76	0.35	1714.93
04/09/21	2.5	1710.03	0.88	1709.85	0.70	1710.57	0.89	1716.57	1.2	1716.67	1.2	1716.25	1.4	1713.89	0.36	1715.94
04/10/21	2.5	1710.24	0.89	1709.82	0.69	1710.52	0.89	1714.93	1.1	1715.01	1.3	1714.58	1.4	1713.78	0.35	1715.85
04/11/21	2.5	1710.26	0.89	1710.21	0.68	1710.77	0.93	1715.67	1.1	1716.34	1.3	1715.05	1.4	1713.55	0.35	1715.30
04/12/21	2.4	1710.11	0.89	1709.46	0.68	1710.12	0.90	1716.27	1.1	1715.52	1.3	1715.48	1.3	1713.51	0.34	1714.95
04/13/21	2.4	1710.18	0.88	1709.96	0.33	1710.37	0.92	1716.77	1.1	1715.04	1.3	1714.82	1.3	1713.61	0.35	1714.62
04/14/21	2.4	1710.33	0.88	1709.81	1.0	1709.72	0.91	1716.94	1.1	1716.24	1.3	1714.39	1.3	1714.83	0.35	1715.42
04/15/21	2.4	1711.13	0.9	1709.81	0.68	1710.12	1.2	1716.72	1.1	1715.90	1.3	1717.70	1.3	1713.73	0.34	1715.84
04/16/21	2.4	1710.53	0.92	1709.78	0.69	1710.52	0.58	1716.12	1.1	1715.90	1.3	1715.25	1.3	1714.11	0.34	1715.87
04/17/21	2.4	1711.06	0.95	1709.84	0.70	1710.31	0.91	1714.88	1.1	1715.55	1.3	1714.74	1.4	1713.98	0.37	1715.82
04/18/21	2.7	1710.23	1.0	1709.88	0.77	1710.46	1.00	1716.40	1.3	1714.80	1.5	1713.86	1.5	1713.82	0.37	1715.20
04/19/21	2.1	1709.93	0.79	1709.81	0.61	1710.40	0.75	1716.82	0.94	1715.42	1.1	1714.73	1.1	1713.71	0.34	1714.77
04/20/21	2.4	1710.03	0.95	1709.88	0.70	1710.42	0.91	1716.72	1.2	1715.79	1.4	1714.80	1.4	1713.81	0.34	1715.22
04/21/21	2.0	1710.25	0.94	1709.86	0.71	1710.07	0.92	1717.02	1.1	1715.74	1.4	1714.47	1.4	1713.39	0.35	1715.45
04/22/21	2.8	1711.21	0.93	1709.81	0.67	1710.52	0.90	1716.42	1.1	1715.69	1.3	1714.43	1.3	1713.56	0.35	1715.57
04/23/21	2.4	1710.05	0.91	1709.86	0.75	1710.42	0.91	1716.84	1.1	1715.73	1.4	1714.58	1.3	1713.91	0.35	1715.54
04/24/21	2.4	1710.07	1.5	1709.94	1.1	1710.45	0.92	1716.21	1.2	1714.93	1.4	1713.69	1.3	1714.04	0.35	1715.92
04/25/21	2.4	1710.02	0.60	1709.84	0.46	1710.25	0.91	1716.03	1.1	1715.10	1.4	1714.18	1.3	1713.53	0.35	1715.08
04/26/21	2.3	1710.03	0.90	1709.91	0.68	1710.52	0.85	1716.43	1.1	1715.87	1.4	1713.65	1.3	1714.35	0.28	1716.12
04/27/21	2.4	1711.38	0.93	1709.81	0.69	1709.88	0.81	1717.22	1.1	1715.79	1.4	1708.40	1.3	1713.46	0.28	1717.12
04/28/21	2.4	1711.25	0.92	1709.91	0.74	1711.72	0.91	1716.92	1.1	1715.81	1.3	1719.05	1.3	1714.46	0.30	1714.77
04/29/21	2.1	1712.55	0.90	1709.65	0.62	1710.22	0.81	1716.12	1.1	1715.32	0.51	1718.65	1.3	1714.26	0.21	1716.02
04/30/21	2.4	1712.88	0.94	1712.68	0.82	1710.44	0.66	1716.82	1.2	1715.08	1.1	1719.65	1.4	1713.67	0.30	1716.42
Monthly Average	2.4	1710.70	0.92	1709.96	0.71	1710.42	0.86	1716.32	1.2	1715.57	1.3	1715.51	1.4	1713.88	0.34	1715.59
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	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
Perchlorate	540	4/5/2021	1,100	4/5/2021	410	4/5/2021	97	4/5/2021	380	4/5/2021	810	4/5/2021	880	4/5/2021	1,200	4/5/2021
Hexavalent Chromium	0.067	4/5/2021	0.45	4/5/2021	0.65	4/5/2021	0.029	4/5/2021	0.027	4/5/2021	0.070	4/5/2021	0.075	4/5/2021	0.19	4/5/2021
Total Chromium	0.070	4/5/2021	0.46	4/5/2021	0.69	4/5/2021	0.038	4/5/2021	0.029	4/5/2021	0.084	4/5/2021	0.078	4/5/2021	0.22	4/5/2021

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 04/27 E2-3 flow adjusted to meet flow target as directed by the Trust.
 3: Duplicates taken on 04/05 for well E2-1; average of both values is presented and used for calculations.

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



Note:

1. Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was decreased in March 2019 to prepare for the lower seasonal ammonia permit limits beginning April 1. AP-5 tank processing was completed on 7/15/20.

Figure 2 - FBR Equivalent Loading Calculation

