

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 (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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)		
03/01/20	569	167	1538.62	95	1541.45	132	1543.69	110	1539.10	72	1547.99	103	1549.31	50	1550.42	20	1551.50	10	1524.97		
03/02/20 ²	575	166	1538.62	94	1541.27	131	1543.69	110	1539.10	71	1548.00	102	1549.31	50	1550.42	20	1551.49	10	1524.93		
03/03/20	570	167	1538.59	95	1541.64	131	1543.66	110	1539.06	71	1547.97	103	1549.28	51	1550.40	19	1551.47	10	1524.88		
03/04/20	570	166	1538.56	95	1541.25	131	1543.62	110	1539.02	72	1547.96	102	1549.25	51	1550.38	20	1551.43	10	1524.85		
03/05/20	569	167	1538.54	95	1541.51	132	1543.60	111	1539.01	72	1547.93	103	1549.22	50	1550.36	20	1551.41	10	1524.86		
03/06/20	569	165	1538.50	94	1541.53	130	1543.58	110	1538.97	71	1547.92	102	1549.21	50	1550.34	20	1551.39	10	1524.80		
03/07/20	565	168	1538.49	96	1541.61	133	1543.57	112	1538.96	73	1547.91	104	1549.20	51	1550.33	20	1551.38	11	1524.71		
03/08/20	542	160	1538.48	91	1541.35	126	1543.56	106	1538.96	69	1547.90	99	1549.18	48	1550.32	19	1551.37	9.7	1524.69		
03/09/20 ²	568	166	1538.48	95	1541.66	131	1543.56	110	1538.96	72	1547.91	103	1549.18	50	1550.32	20	1551.36	10	1524.68		
03/10/20	570	166	1538.50	94	1541.29	131	1543.57	110	1538.96	71	1547.92	103	1549.19	51	1550.32	19	1551.37	10	1524.69		
03/11/20	574	166	1538.55	95	1541.35	131	1543.61	110	1538.98	72	1547.98	103	1549.26	50	1550.39	20	1551.43	10	1524.68		
03/12/20	573	166	1538.72	95	1541.60	130	1543.75	110	1539.18	71	1548.14	102	1549.43	50	1550.56	20	1551.60	10	1524.86		
03/13/20	570	165	1538.90	95	1541.39	131	1543.95	110	1539.31	72	1548.31	102	1549.62	50	1550.76	20	1551.80	10	1524.91		
03/14/20	568	168	1538.93	97	1541.63	133	1543.97	112	1539.32	73	1548.33	105	1549.65	51	1550.79	20	1551.84	11	1524.95		
03/15/20	569	166	1538.96	96	1541.90	132	1544.01	111	1539.34	72	1548.37	103	1549.69	51	1550.83	19	1551.87	10	1525.00		
03/16/20 ²	571	167	1538.99	96	1541.56	132	1544.04	111	1539.37	73	1548.41	104	1549.72	51	1550.91	20	1551.91	10	1525.07		
03/17/20	571	167	1539.00	96	1541.68	132	1544.06	110	1539.37	72	1548.42	103	1549.74	51	1550.88	19	1551.93	10	1525.01		
03/18/20	569	166	1539.02	96	1542.22	131	1544.08	110	1539.38	72	1548.44	103	1549.75	51	1550.90	18	1552.00	10	1525.04		
03/19/20	573	167	1539.00	96	1541.88	132	1544.04	110	1539.34	72	1548.41	103	1549.71	50	1550.85	14	1551.87	10	1525.00		
03/20/20	575	166	1539.00	95	1541.90	132	1544.04	110	1539.35	72	1548.42	103	1549.71	51	1550.85	19	1551.88	10	1525.03		
03/21/20	581	166	1538.98	95	1541.95	131	1544.03	110	1539.35	72	1548.40	102	1549.69	51	1550.84	19	1551.86	10	1525.00		
03/22/20	584	167	1538.96	96	1541.69	133	1544.01	111	1539.33	73	1548.39	103	1549.68	51	1550.82	20	1551.84	10	1525.11		
03/23/20 ²	576	166	1538.92	95	1541.79	131	1543.98	110	1539.29	72	1548.35	103	1549.64	50	1550.78	18	1551.80	10	1524.94		
03/24/20	582	166	1538.90	95	1541.85	131	1543.96	110	1539.28	72	1548.35	102	1549.62	50	1550.75	19	1551.77	10	1524.97		
03/25/20	582	166	1538.90	95	1541.90	131	1543.93	110	1539.27	72	1548.31	104	1549.58	51	1550.72	19	1551.74	10	1524.86		
03/26/20	583	166	1538.82	94	1542.18	132	1543.88	110	1539.20	72	1548.26	103	1549.54	50	1550.68	19	1551.70	10	1524.89		
03/27/20	587	166	1538.78	94	1541.78	132	1543.85	110	1539.16	72	1548.23	103	1549.49	51	1550.63	19	1551.65	10	1524.79		
03/28/20	587	167	1538.76	94	1541.91	131	1543.80	110	1539.15	72	1548.21	103	1549.46	51	1550.60	19	1551.62	10	1524.72		
03/29/20	586	166	1538.72	94	1541.92	132	1543.77	110	1539.12	72	1548.16	103	1549.42	50	1550.56	19	1551.58	10	1524.67		
03/30/20 ²	583	166	1538.69	95	1541.61	132	1543.74	110	1539.08	72	1548.15	103	1549.38	50	1550.52	19	1551.54	10	1524.67		
03/31/20 ²	567	165	1538.67	94	1542.09	131	1543.73	110	1539.07	71	1548.13	102	1549.37	50	1550.51	19	1551.50	10	1524.69		
Monthly Average	574	166	1538.76	95	1541.69	131	1543.82	110	1539.17	72	1548.18	103	1549.47	50	1550.60	19	1551.64	10	1524.87		
Analytical ¹	Conc (mg/L)		Date	Conc ³ (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date
Perchlorate	11	3/4/2020	9.75	3/4/2020	5.4	3/4/2020	6.1	3/4/2020	3.2	3/4/2020	0.71	3/4/2020	0.045	3/4/2020	0.020	3/4/2020	0.88	3/4/2020	0.88	3/4/2020	
Hexavalent Chromium	0.0034	3/4/2020	ND	3/4/2020	ND	3/4/2020	0.0042	3/4/2020	ND	3/4/2020	ND	3/4/2020	ND	3/4/2020	ND	3/4/2020	ND	3/4/2020	ND	3/4/2020	
Total Chromium	0.0036	3/4/2020	ND	3/4/2020	ND	3/4/2020	0.0038	3/4/2020	ND	3/4/2020	ND	3/4/2020	ND	3/4/2020	ND	3/4/2020	ND	3/4/2020	ND	3/4/2020	

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 03/02, 03/09, 03/16, 03/23, and 03/30, 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 03/04 for well PC-99R2/R3; average of both values is presented and used for calculations.
 4: On 03/19, PC-121 offline briefly due to maintenance.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																	
Date	LS #3 Flow (gpm)	ART-1/1A		ART-2/2A		ART-3/3A		ART-4/4A		ART-9		ART-7A/7B		ART-8/8A		PC-150	
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow ⁶ (gpm)	Water Elevation (ft amsl)
03/01/20	404	42	1584.69	149	1584.29	24	1584.89	4.2	1579.12	60	1583.71	21	1585.69	168	1584.22	1.5	1579.33
03/02/20 ²	403	42	1584.67	148	1584.28	24	1584.88	4.1	1579.09	60	1583.68	21	1585.72	168	1584.21	1.5	1578.59
03/03/20	403	42	1584.66	150	1584.27	24	1584.87	4.2	1579.07	60	1583.71	21	1585.65	169	1584.20	1.5	1579.56
03/04/20	404	42	1584.63	149	1584.24	24	1584.86	4.2	1579.04	60	1583.66	21	1585.66	169	1584.17	1.5	1579.54
03/05/20	403	42	1584.62	150	1584.24	24	1584.86	4.2	1579.07	61	1583.68	20	1585.65	168	1584.17	1.5	1579.50
03/06/20	404	42	1584.61	150	1584.22	23	1584.85	3.4	1579.06	60	1583.66	21	1585.62	169	1584.16	1.5	1579.23
03/07/20	403	42	1584.60	149	1584.21	24	1584.84	4.2	1579.03	60	1583.61	20	1585.65	168	1584.14	1.5	1579.38
03/08/20	386	41	1584.58	142	1584.19	23	1584.82	4.2	1579.00	57	1583.64	19	1585.59	162	1584.12	1.5	1579.40
03/09/20 ²	404	42	1584.56	149	1584.17	24	1584.81	4.0	1578.98	60	1583.58	21	1585.59	169	1584.11	1.5	1579.24
03/10/20	402	42	1584.56	149	1584.16	24	1584.81	4.2	1578.96	60	1583.57	20	1585.62	169	1584.11	1.5	1578.98
03/11/20	402	42	1584.56	150	1584.17	24	1584.82	4.2	1578.96	60	1583.58	21	1585.59	169	1584.11	1.5	1579.32
03/12/20 ³	386	41	1577.31	143	1584.55	23	1576.07	4.1	1583.56	60	1583.58	20	1585.59	161	1584.54	1.5	1579.31
03/13/20 ³	397	37	1584.64	150	1584.90	21	1584.90	3.5	1583.53	60	1583.55	20	1585.59	169	1584.19	1.5	1579.69
03/14/20 ³	404	42	1584.62	149	1584.22	25	1584.86	4.2	1583.48	60	1583.55	20	1585.56	168	1584.15	1.5	1579.15
03/15/20 ³	403	42	1584.62	150	1584.21	24	1584.85	4.2	1583.48	60	1583.55	20	1585.56	168	1584.14	1.5	1579.71
03/16/20 ³	400	41	1584.63	149	1584.22	23	1584.87	4.1	1579.15	60	1583.58	20	1585.56	167	1584.15	1.5	1579.60
03/17/20	356	42	1584.89	150	1584.50	25	1585.08	4.2	1579.35	60	1583.57	20	1585.59	117	1584.40	1.5	1579.03
03/18/20	404	42	1584.80	150	1584.38	24	1584.99	4.2	1579.28	60	1583.57	20	1585.59	170	1584.29	1.5	1579.20
03/19/20	403	42	1584.73	150	1584.31	24	1584.94	4.2	1579.19	60	1583.53	20	1585.55	169	1584.23	1.5	1579.46
03/20/20	403	42	1584.73	150	1584.31	24	1584.94	4.2	1579.18	60	1583.55	21	1585.59	169	1584.22	1.5	1579.54
03/21/20	403	42	1584.72	150	1584.31	24	1584.93	3.5	1579.17	60	1583.58	20	1585.59	169	1584.22	1.5	1578.57
03/22/20	404	43	1584.73	150	1584.31	24	1584.94	4.2	1579.17	60	1583.61	20	1585.65	168	1584.23	1.5	1579.65
03/23/20 ²	396	42	1584.71	150	1584.29	24	1584.93	4.0	1579.15	60	1583.61	20	1585.59	160	1584.21	1.5	1579.17
03/24/20	404	42	1584.71	150	1584.30	24	1584.93	3.5	1579.15	60	1583.64	20	1585.62	169	1584.21	1.5	1579.15
03/25/20	403	42	1584.71	150	1584.29	24	1584.93	4.2	1579.15	60	1583.61	20	1585.59	170	1584.21	1.5	1579.57
03/26/20	403	42	1584.70	151	1584.28	24	1584.92	4.2	1579.14	60	1583.58	20	1585.59	169	1584.20	1.5	1579.66
03/27/20	403	42	1584.68	150	1584.27	24	1584.91	4.2	1579.11	60	1583.58	20	1585.62	169	1584.19	1.5	1579.25
03/28/20	403	42	1584.68	150	1584.27	24	1584.91	4.2	1579.12	60	1583.55	20	1585.59	169	1584.18	1.5	1579.54
03/29/20	403	42	1584.66	150	1584.25	24	1584.90	3.5	1579.09	59	1583.55	20	1585.56	168	1584.17	1.5	1579.38
03/30/20 ²	402	42	1584.65	150	1584.24	24	1584.89	3.9	1579.08	60	1583.55	20	1585.56	169	1584.16	1.5	1579.31
03/31/20	403	42	1584.67	150	1584.26	24	1584.90	3.4	1579.10	60	1583.55	21	1585.56	169	1584.17	1.5	1578.86
Monthly Average	400	42	1584.43	149	1584.27	24	1584.61	4.0	1579.68	60	1583.60	20	1585.60	166	1584.20	1.5	1579.32
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 ³ (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		25	3/5/2020	10	3/5/2020	170	3/5/2020	120	3/5/2020	170	3/5/2020	97	3/5/2020	66	3/5/2020	58	3/5/2020
Hexavalent Chromium		ND	3/5/2020	0.0036	3/5/2020	0.31	3/5/2020	0.16	3/5/2020	0.63	3/5/2020	0.55	3/5/2020	0.074	3/5/2020	0.058	3/5/2020
Total Chromium		ND	3/5/2020	0.0044	3/5/2020	0.28	3/5/2020	0.24	3/5/2020	0.59	3/5/2020	0.51	3/5/2020	0.069	3/5/2020	0.052	3/5/2020

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).
 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.
 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 03/02, 03/09, 03/16, 03/23, and 03/30, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: From 03/12 - 03/16, AWF was offline intermittently due to inclement weather and instrument error.
 4: On 03/17, ART-8A offline briefly due to motor replacement.
 5: Duplicates taken on 03/05 for well ART-8A; average of both values is presented and used for calculations.
 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 03/01-03/31 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.

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)
03/01/20	0.00	1726.83	1.1	1709.58	0.00	1720.61	0.00	1723.88	0.00	1739.35	0.84	1709.55	3.2	1718.56	0.99	1722.10	0.70	1722.42	4.7	1723.25
03/02/20 ²	0.01	1726.81	1.1	1709.63	0.00	1720.61	0.00	1723.87	0.00	1739.39	0.83	1709.56	3.1	1719.95	0.98	1722.47	0.70	1722.48	4.6	1723.38
03/03/20	0.01	1726.80	1.0	1709.71	0.00	1720.61	0.00	1723.87	0.00	1739.44	0.83	1709.58	3.1	1719.87	0.95	1722.33	0.69	1722.52	4.6	1723.44
03/04/20	0.00	1726.82	1.0	1709.76	0.00	1720.60	0.00	1723.85	0.00	1739.39	0.83	1709.57	3.1	1719.41	0.95	1722.12	0.67	1722.56	4.6	1723.46
03/05/20	0.00	1726.86	1.0	1709.70	0.00	1720.61	0.00	1723.87	0.00	1739.36	0.83	1709.61	3.1	1720.09	0.97	1723.38	0.67	1722.60	4.6	1723.37
03/06/20	0.00	1726.86	1.0	1709.76	0.00	1720.61	0.00	1723.91	0.00	1739.40	0.83	1709.60	3.1	1721.11	0.97	1723.93	0.67	1722.64	4.6	1723.26
03/07/20	0.00	1726.87	1.0	1709.82	0.00	1720.60	0.00	1723.91	0.00	1739.38	0.83	1709.53	3.1	1721.35	0.97	1722.03	0.67	1722.64	4.7	1723.26
03/08/20	0.00	1726.84	0.97	1709.96	0.00	1720.60	0.00	1723.88	0.00	1739.34	0.80	1709.57	2.9	1718.75	0.93	1723.12	0.62	1722.70	4.5	1723.38
03/09/20 ²	0.00	1726.83	1.0	1710.03	0.00	1720.60	0.01	1723.80	0.036	1739.33	0.83	1709.63	3.1	1719.92	1.0	1722.58	0.67	1722.73	4.6	1723.46
03/10/20	0.00	1726.89	0.97	1711.96	0.02	1720.63	0.00	1723.85	0.00	1739.36	0.83	1709.63	3.1	1720.18	0.97	1723.76	0.63	1722.79	4.6	1723.45
03/11/20	0.00	1726.92	0.90	1712.15	0.00	1720.65	0.00	1723.89	0.00	1739.37	0.84	1709.63	3.1	1719.95	0.96	1723.28	0.61	1722.84	4.6	1723.34
03/12/20	0.00	1726.95	0.90	1712.40	0.00	1720.66	0.00	1723.92	0.00	1739.42	0.84	1709.58	3.1	1720.12	0.96	1723.23	0.63	1722.80	4.6	1723.26
03/13/20	0.00	1726.93	0.89	1712.42	0.00	1720.66	0.00	1723.89	0.0	1739.38	0.84	1709.55	3.0	1721.38	0.96	1721.64	0.63	1722.80	4.6	1723.38
03/14/20	0.00	1726.92	0.88	1712.47	0.00	1720.65	0.00	1723.87	0.00	1739.41	0.84	1709.63	3.0	1719.93	0.96	1721.23	0.62	1722.77	4.6	1723.49
03/15/20	0.00	1726.94	0.88	1712.64	0.00	1720.66	0.00	1723.88	0.00	1739.19	0.84	1709.64	3.0	1720.18	0.94	1721.05	0.64	1722.77	4.7	1723.48
03/16/20 ²	0.00	1727.02	0.88	1712.75	0.00	1720.67	0.00	1723.91	0.00	1739.17	0.83	1709.56	3.1	1719.15	0.96	1722.47	0.62	1722.80	4.6	1723.37
03/17/20	0.00	1727.10	0.88	1712.77	0.00	1720.69	0.00	1723.91	0.00	1739.23	0.84	1709.55	3.0	1719.68	0.93	1721.88	0.64	1722.82	4.6	1723.42
03/18/20	0.00	1727.14	0.85	1712.88	0.00	1720.70	0.00	1723.92	0.00	1739.29	0.86	1709.65	3.1	1717.25	0.93	1722.25	0.64	1722.82	4.6	1723.37
03/19/20	0.01	1727.08	0.85	1713.00	0.00	1720.70	0.00	1723.85	0.00	1739.33	0.85	1709.64	3.1	1719.69	0.93	1722.53	0.65	1722.76	4.6	1723.47
03/20/20	0.01	1727.00	0.84	1713.27	0.00	1720.73	0.00	1723.86	0.00	1739.30	0.86	1709.57	3.1	1719.15	0.93	1724.42	0.65	1722.83	4.6	1723.45
03/21/20	0.00	1726.97	0.82	1713.33	0.00	1720.74	0.00	1723.89	0.00	1739.31	0.87	1709.64	3.0	1719.12	0.92	1723.89	0.64	1722.85	4.6	1723.45
03/22/20	0.00	1727.02	0.82	1713.38	0.00	1720.75	0.00	1723.92	0.00	1739.34	0.87	1709.60	3.0	1720.42	0.92	1724.12	0.64	1722.88	4.7	1723.44
03/23/20 ²	0.00	1727.08	0.85	1714.09	0.00	1720.77	0.00	1723.97	0.00	1739.31	0.85	1709.65	3.1	1720.81	0.92	1723.96	0.64	1722.89	4.6	1723.48
03/24/20	0.00	1727.14	0.75	1714.34	0.00	1720.79	0.00	1723.93	0.00	1739.35	0.87	1709.61	3.1	1720.66	0.94	1724.10	0.64	1722.91	4.6	1723.46
03/25/20	0.00	1727.21	0.74	1714.47	0.00	1720.80	0.00	1723.95	0.00	1739.31	0.88	1709.65	3.1	1720.12	0.94	1724.24	0.64	1722.95	4.6	1723.44
03/26/20	0.00	1727.22	0.74	1714.54	0.00	1720.81	0.00	1723.93	0.00	1739.27	0.88	1709.73	3.1	1720.26	0.94	1724.19	0.63	1722.97	4.6	1723.50
03/27/20	0.00	1727.23	0.72	1714.94	0.00	1720.82	0.00	1723.91	0.00	1739.26	0.88	1709.69	3.1	1720.18	0.94	1724.21	0.63	1722.98	4.6	1723.57
03/28/20	0.00	1727.26	0.70	1714.87	0.00	1720.84	0.00	1723.93	0.00	1739.28	0.89	1709.61	3.0	1720.25	0.94	1724.24	0.53	1723.64	4.6	1723.56
03/29/20	0.00	1727.28	0.69	1715.07	0.00	1720.85	0.00	1723.92	0.00	1739.30	0.89	1709.65	3.0	1720.22	0.94	1724.24	0.43	1723.54	4.7	1723.58
03/30/20 ²	0.00	1727.28	0.74	1715.13	0.00	1720.85	0.00	1723.91	0.00	1739.30	0.88	1709.74	3.1	1720.26	0.94	1724.27	0.59	1723.57	4.6	1723.60
03/31/20	0.00	1727.31	0.68	1715.19	0.00	1720.87	0.00	1723.98	0.00	1739.28	0.90	1709.69	3.1	1720.32	0.92	1724.31	0.46	1723.63	4.6	1723.51
Monthly Average	0.00	1727.01	0.88	1712.45	0.00	1720.70	0.00	1723.90	0.00	1739.33	0.85	1709.62	3.1	1719.94	0.95	1723.15	0.63	1722.87	4.6	1723.43
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	440	3/10/2020	36	3/10/2020	120	3/10/2020	240	3/9/2020	140	3/9/2020	270	3/10/2020	390	3/10/2020	550	3/10/2020	310	3/10/2020	420	3/10/2020
Hexavalent Chromium	0.014	3/10/2020	0.057	3/10/2020	ND	3/10/2020	2.3	3/9/2020	1.4	3/9/2020	0.20	3/10/2020	2.9	3/10/2020	4.5	3/10/2020	5.2	3/10/2020	11	3/10/2020
Total Chromium	0.44	3/10/2020	0.063	3/10/2020	0.022	3/10/2020	2.3	3/9/2020	1.3	3/9/2020	0.20	3/10/2020	2.8	3/10/2020	4.4	3/10/2020	5.5	3/10/2020	10	3/10/2020

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 03/02, 03/09, 03/16, 03/23, and 03/30, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O			
	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 ² (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)		
03/01/20	0.14	1722.30	1.6	1720.87	4.9	1723.01	7.3	1712.16	4.0	1709.13	1.1	1719.98	1.5	1723.77	2.7	1722.66	0.29	1722.88	1.4	1722.94
03/02/20 ²	0.14	1722.33	1.6	1720.89	4.9	1723.02	7.2	1712.17	4.0	1709.13	1.0	1721.33	1.5	1723.81	2.6	1722.68	0.27	1722.89	1.4	1722.96
03/03/20	0.14	1722.34	1.6	1720.91	5.0	1723.03	7.3	1712.17	4.0	1709.13	1.1	1720.51	1.5	1723.83	2.7	1722.69	0.30	1722.90	1.4	1722.97
03/04/20	0.14	1722.36	1.6	1720.92	5.0	1723.03	7.3	1712.17	4.0	1709.13	1.1	1721.29	1.5	1723.83	2.7	1722.70	0.30	1722.91	1.4	1722.98
03/05/20	0.14	1722.38	1.6	1720.94	4.9	1723.05	7.3	1712.17	4.0	1709.13	1.0	1721.95	1.5	1723.86	2.7	1722.74	0.30	1722.92	1.4	1722.99
03/06/20	0.14	1722.40	1.6	1720.97	4.9	1723.07	7.3	1712.17	4.0	1709.13	1.0	1721.96	1.5	1723.87	2.7	1722.76	0.30	1722.94	1.4	1723.01
03/07/20	0.14	1722.40	1.6	1720.97	4.9	1723.07	7.3	1712.17	4.0	1709.13	1.0	1721.95	1.5	1723.86	2.7	1722.74	0.29	1722.95	1.3	1723.01
03/08/20	0.13	1722.40	1.5	1720.97	4.7	1723.06	7.0	1712.18	3.8	1709.13	1.0	1721.94	1.4	1723.85	2.6	1722.73	0.28	1722.95	1.3	1723.02
03/09/20 ²	0.13	1722.41	1.6	1720.99	4.9	1723.07	7.3	1712.17	4.0	1709.13	1.1	1721.94	1.5	1723.87	2.7	1722.75	0.30	1722.96	1.4	1723.03
03/10/20	0.14	1722.42	1.6	1721.00	5.0	1723.07	7.3	1712.16	4.0	1709.12	1.0	1721.96	1.5	1723.89	2.7	1722.78	0.29	1722.96	1.4	1723.03
03/11/20	0.14	1722.55	1.6	1721.02	5.0	1723.09	7.3	1712.17	4.0	1709.12	1.0	1722.01	1.5	1723.91	2.6	1722.81	0.29	1722.98	1.3	1723.06
03/12/20	0.13	1722.59	1.6	1721.06	5.0	1723.11	7.3	1712.17	4.0	1709.11	1.0	1722.02	1.5	1723.92	2.6	1722.83	0.29	1723.01	1.3	1723.08
03/13/20	0.13	1722.59	1.6	1721.04	5.0	1723.11	7.3	1712.17	4.0	1709.11	1.0	1722.01	1.5	1723.91	2.6	1722.83	0.29	1723.01	1.3	1723.08
03/14/20	0.13	1722.60	1.6	1721.05	4.9	1723.11	7.3	1712.17	4.0	1709.11	1.0	1722.01	1.5	1723.92	2.6	1722.83	0.29	1723.01	1.3	1723.08
03/15/20	0.13	1722.62	1.6	1721.08	4.9	1723.12	7.4	1712.17	4.0	1709.11	1.0	1722.00	1.5	1723.94	2.6	1722.85	0.30	1723.02	1.3	1723.10
03/16/20 ²	0.13	1722.64	1.6	1721.11	5.0	1723.14	7.3	1712.18	4.0	1709.11	1.0	1722.00	1.5	1723.95	2.6	1722.87	0.29	1723.04	1.4	1723.11
03/17/20	0.13	1722.65	1.6	1721.13	5.0	1723.14	7.4	1712.18	4.0	1709.11	1.0	1722.02	1.5	1723.96	2.6	1722.88	0.30	1723.04	1.3	1723.12
03/18/20	0.13	1722.66	1.6	1721.15	5.0	1723.15	7.4	1712.18	4.0	1709.10	1.0	1722.06	1.5	1723.96	2.5	1722.89	0.30	1723.05	1.3	1723.13
03/19/20	0.14	1722.64	1.6	1721.14	5.0	1723.13	7.3	1712.17	4.0	1709.10	1.0	1722.06	1.5	1723.94	2.5	1722.86	0.30	1723.04	1.3	1723.13
03/20/20	0.14	1722.66	1.6	1721.19	5.0	1723.15	7.3	1712.17	4.0	1709.10	1.0	1722.09	1.5	1723.99	2.5	1722.92	0.30	1723.06	1.3	1723.15
03/21/20	0.14	1722.65	1.6	1721.20	4.9	1723.17	7.4	1712.18	4.0	1709.11	1.0	1722.07	1.5	1724.00	2.5	1722.93	0.30	1723.08	1.3	1723.17
03/22/20	0.15	1722.69	1.6	1721.24	4.9	1723.18	7.5	1712.18	4.0	1709.11	1.1	1722.10	1.5	1724.03	2.5	1722.96	0.29	1723.10	1.3	1723.19
03/23/20 ²	0.13	1722.69	1.6	1721.24	5.0	1723.18	7.4	1712.19	4.0	1709.11	1.0	1722.11	1.5	1724.02	2.5	1722.96	0.30	1723.10	1.3	1723.19
03/24/20	0.15	1722.72	1.6	1721.26	5.0	1723.20	7.4	1712.19	4.0	1709.10	1.0	1722.14	1.5	1724.04	2.5	1722.99	0.30	1723.12	1.3	1723.21
03/25/20	0.15	1722.74	1.6	1721.29	5.0	1723.22	7.4	1712.19	4.0	1709.11	1.0	1722.15	1.5	1724.06	2.5	1723.02	0.30	1723.14	1.3	1723.23
03/26/20	0.15	1722.75	1.6	1721.29	5.0	1723.22	7.5	1712.19	4.0	1709.11	1.1	1722.16	1.5	1724.06	2.5	1723.02	0.32	1723.14	1.3	1723.23
03/27/20	0.14	1722.79	1.6	1721.30	5.0	1723.22	7.5	1712.19	4.0	1709.11	1.1	1722.16	1.5	1724.07	2.5	1723.02	0.32	1723.15	1.3	1723.14
03/28/20	0.15	1722.78	1.6	1721.33	4.9	1723.24	7.5	1712.19	4.0	1709.11	1.1	1722.19	1.5	1724.11	2.5	1723.06	0.31	1723.16	1.3	1723.26
03/29/20	0.15	1722.78	1.6	1721.33	4.9	1723.23	7.5	1712.19	4.0	1709.11	1.1	1722.15	1.5	1724.11	2.5	1723.06	0.31	1723.17	1.3	1723.26
03/30/20 ²	0.15	1722.81	1.6	1721.36	5.0	1723.25	7.5	1712.19	4.0	1709.11	1.1	1722.17	1.5	1724.14	2.5	1723.09	0.31	1723.18	1.3	1723.28
03/31/20	0.15	1722.85	1.6	1721.40	5.0	1723.28	7.5	1712.19	4.0	1709.13	1.1	1722.20	1.5	1724.18	2.5	1723.14	0.31	1723.21	1.3	1723.31
Monthly Average	0.14	1722.59	1.6	1721.12	4.9	1723.14	7.3	1712.18	4.0	1709.12	1.0	1721.89	1.5	1723.96	2.6	1722.87	0.30	1723.03	1.3	1723.11
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	710	3/11/2020	690	3/11/2020	590	3/9/2020	260	3/9/2020	240	3/9/2020	230	3/10/2020	330	3/10/2020	380	3/10/2020	590	3/11/2020	700	3/11/2020
Hexavalent Chromium	17	3/11/2020	15	3/11/2020	9.1	3/9/2020	4.2	3/9/2020	2.4	3/9/2020	0.93	3/10/2020	4.9	3/10/2020	5.7	3/10/2020	15	3/11/2020	16	3/11/2020
Total Chromium	14	3/11/2020	14	3/11/2020	9.0	3/9/2020	4.1	3/9/2020	2.4	3/9/2020	0.95	3/10/2020	4.8	3/10/2020	5.8	3/10/2020	14	3/11/2020	14	3/11/2020

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 03/02, 03/09, 03/16, 03/23, and 03/30, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 03/05, I-L transducer replaced.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y			
	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)		
03/01/20	0.35	1721.72	0.64	1722.19	5.4	1720.23	0.61	1716.11	0.48	1718.64	4.5	1721.92	0.95	1718.64	3.3	1720.26	1.1	1716.01	8.4	1714.46
03/02/20 ²	0.35	1721.73	0.64	1722.10	5.4	1720.67	0.59	1717.06	0.48	1718.58	4.4	1721.95	0.94	1718.60	3.3	1720.24	1.1	1717.94	8.5	1714.49
03/03/20	0.35	1721.76	0.66	1722.09	5.5	1720.70	0.55	1717.12	0.50	1718.42	4.4	1721.96	0.94	1718.43	3.3	1720.25	1.1	1717.38	8.6	1714.48
03/04/20	0.35	1721.72	0.66	1722.15	5.5	1720.73	0.54	1717.28	0.50	1718.56	4.4	1721.97	0.94	1718.35	3.3	1720.25	1.1	1718.34	8.6	1714.48
03/05/20	0.36	1721.76	0.66	1722.15	5.5	1720.82	0.54	1717.27	0.50	1718.48	4.3	1722.00	0.94	1719.97	3.3	1720.29	1.1	1717.83	8.6	1714.56
03/06/20	0.35	1721.80	0.67	1722.10	5.4	1720.89	0.54	1717.33	0.50	1718.51	4.3	1722.03	0.94	1720.23	3.3	1720.28	1.1	1721.17	8.6	1714.60
03/07/20	0.35	1721.79	0.69	1722.06	5.4	1720.88	0.54	1717.42	0.51	1718.44	4.4	1722.04	0.94	1719.93	3.3	1720.28	1.1	1718.56	8.6	1714.60
03/08/20	0.34	1721.79	0.66	1721.93	5.2	1720.88	0.51	1717.76	0.48	1718.50	4.3	1722.03	0.90	1719.92	3.1	1720.28	1.0	1715.90	8.1	1714.55
03/09/20 ²	0.35	1721.79	0.66	1721.96	4.4	1720.92	0.54	1717.65	0.50	1718.51	4.4	1722.04	0.94	1719.81	3.3	1720.29	1.1	1717.88	8.6	1714.58
03/10/20	0.36	1721.00	0.69	1721.18	5.5	1720.97	0.54	1717.48	0.51	1718.49	4.4	1722.05	0.95	1720.17	3.3	1720.31	1.1	1716.53	8.6	1714.61
03/11/20	0.35	1721.85	0.68	1721.17	5.5	1721.03	0.54	1717.64	0.51	1718.46	4.4	1722.08	0.94	1718.60	3.3	1720.33	1.1	1716.61	8.6	1714.66
03/12/20	0.35	1721.87	0.68	1721.10	5.5	1721.06	0.53	1717.82	0.51	1718.53	4.3	1722.11	0.94	1719.53	3.3	1720.35	1.1	1716.56	8.7	1714.70
03/13/20	0.35	1721.84	0.68	1721.11	5.5	1721.08	0.52	1718.09	0.51	1718.52	4.3	1722.11	0.94	1718.88	3.3	1720.35	1.1	1717.02	8.7	1714.66
03/14/20	0.35	1721.87	0.68	1721.09	5.4	1721.11	0.51	1718.20	0.51	1718.53	4.4	1722.12	0.94	1718.75	3.3	1720.35	1.1	1717.45	8.6	1714.66
03/15/20	0.35	1721.90	0.68	1721.09	5.4	1721.15	0.50	1718.16	0.50	1718.60	4.5	1722.13	0.94	1718.23	3.3	1720.36	1.1	1717.12	8.4	1714.71
03/16/20 ²	0.35	1721.93	0.68	1721.15	5.5	1721.20	0.52	1718.24	0.51	1718.65	4.4	1722.16	0.94	1719.74	3.3	1720.37	1.1	1720.15	8.6	1714.78
03/17/20	0.34	1721.97	0.68	1721.21	5.4	1721.23	0.51	1718.31	0.51	1718.66	4.4	1722.17	0.93	1719.23	3.3	1720.39	1.1	1718.02	8.6	1714.77
03/18/20	0.33	1722.00	0.67	1721.36	5.6	1721.28	0.50	1718.34	0.50	1718.72	4.4	1722.19	0.93	1718.18	3.3	1720.40	0.97	1718.31	8.6	1714.82
03/19/20	0.32	1721.99	0.67	1721.38	5.5	1721.31	0.50	1718.47	0.50	1718.70	4.4	1722.16	0.88	1720.44	3.3	1720.37	1.0	1716.67	8.6	1714.73
03/20/20	0.32	1722.05	0.66	1721.43	5.5	1721.38	0.51	1718.36	0.50	1718.73	4.3	1722.20	0.87	1724.22	3.3	1720.43	1.00	1718.67	8.7	1714.85
03/21/20	0.32	1722.07	0.65	1721.45	5.4	1721.41	0.51	1718.43	0.50	1718.74	4.4	1722.22	0.88	1723.27	3.3	1720.43	1.00	1718.10	8.7	1714.88
03/22/20	0.32	1722.10	0.64	1721.49	5.4	1721.44	0.50	1718.52	0.50	1718.78	4.5	1722.25	0.88	1722.75	3.3	1720.44	1.00	1718.22	8.3	1714.91
03/23/20 ²	0.33	1722.11	0.67	1721.39	5.5	1721.47	0.51	1718.52	0.50	1718.79	4.4	1722.26	0.90	1720.63	3.3	1720.44	1.0	1718.42	8.6	1714.92
03/24/20	0.31	1722.13	0.64	1721.51	5.5	1721.51	0.51	1718.58	0.50	1718.83	4.4	1722.29	0.87	1721.00	3.3	1720.46	1.0	1718.86	8.6	1714.98
03/25/20	0.31	1722.17	0.64	1721.48	5.5	1721.54	0.51	1718.68	0.50	1718.90	4.4	1722.31	0.87	1721.10	3.3	1720.50	0.99	1718.85	8.6	1715.04
03/26/20	0.31	1722.18	0.64	1721.53	5.5	1721.57	0.50	1718.78	0.50	1718.92	4.3	1722.31	0.87	1719.19	3.3	1720.49	0.98	1717.96	8.7	1715.01
03/27/20	0.31	1722.18	0.64	1721.59	5.5	1721.59	0.50	1718.80	0.50	1718.96	4.3	1722.32	0.88	1718.16	3.3	1720.50	0.97	1716.65	8.7	1715.02
03/28/20	0.31	1722.22	0.62	1721.64	5.4	1721.61	0.50	1718.86	0.50	1719.02	4.4	1722.35	0.87	1720.61	3.3	1720.53	0.98	1718.56	8.6	1715.09
03/29/20	0.31	1722.21	0.62	1721.62	5.4	1721.62	0.50	1718.79	0.50	1719.06	4.5	1722.35	0.87	1720.72	3.3	1720.52	0.99	1719.05	8.4	1715.06
03/30/20 ²	0.31	1722.24	0.63	1721.63	5.5	1721.65	0.50	1718.90	0.50	1719.10	4.4	1722.36	0.88	1720.97	3.3	1720.53	0.99	1718.95	8.6	1715.13
03/31/20	0.31	1722.29	0.63	1721.66	5.5	1721.67	0.51	1718.98	0.49	1719.16	4.4	1722.41	0.86	1721.24	3.4	1720.58	0.99	1719.05	8.6	1715.19
Monthly Average	0.33	1721.94	0.66	1721.58	5.4	1721.18	0.52	1718.06	0.50	1718.69	4.4	1722.16	0.91	1719.98	3.3	1720.38	1.0	1717.96	8.6	1714.77
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ⁴ (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ⁴ (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	620	3/11/2020	640	3/10/2020	230	3/10/2020	890	3/11/2020	1,000	3/11/2020	630	3/9/2020	620	3/11/2020	540	3/10/2020	380	3/10/2020	350	3/9/2020
Hexavalent Chromium	17	3/11/2020	0.51	3/10/2020	1.3	3/10/2020	17	3/11/2020	18	3/11/2020	13	3/9/2020	15	3/11/2020	6.9	3/10/2020	0.72	3/10/2020	7.9	3/9/2020
Total Chromium	15	3/11/2020	0.48	3/10/2020	1.2	3/10/2020	15	3/11/2020	16	3/11/2020	13	3/9/2020	16	3/11/2020	6.7	3/10/2020	0.69	3/10/2020	7.8	3/9/2020

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 03/02, 03/09, 03/16, 03/23, and 03/30, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 4: Duplicates taken on 03/11 for well I-U; 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 ₂ (mg/L)	Flow ⁴ (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow ^{4,5} (gpm)	TA - ClO ₂ (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)
03/01/20	960	62				0.00				1,095		57				
03/02/20 ³	959	62				0.00				1,052		55	130	11	0.029	0.026
03/03/20	958	62				0.00				1,069		57				
03/04/20	958	61	0.11	ND	480	0.00				1,057		53				
03/05/20	959	62				0.00				1,049		57				
03/06/20	959	62				3.9	0.074	0.015	65	1,090		62				
03/07/20	958	62				0.00				1,078		57	63			
03/08/20	919	59				0.00				1,029		58				
03/09/20 ³	958	62				0.00				1,081		62		11	0.033	0.029
03/10/20	958	61				0.00				1,071		56				
03/11/20	957	61	0.20	ND	420	0.00				1,052		56				
03/12/20	944	61				0.00				1,051		61				
03/13/20	954	62				0.00				1,071		56				
03/14/20	959	61				0.00				1,093		63	67			
03/15/20	960	61				0.00				1,095		62				
03/16/20 ³	956	61				0.00				1,146		56		8.7	0.044	0.019
03/17/20	914	61				0.00				1,088		57				
03/18/20	960	61	0.24	ND	410	0.00				1,087		61				
03/19/20	962	61				0.00				1,066		66				
03/20/20	960	61				0.00				1,044		64				
03/21/20	960	62				0.00				1,064		60	68			
03/22/20	960	62				0.00				1,090		66				
03/23/20 ³	954	62				0.00				1,090		56		10	0.018	0.014
03/24/20	960	62				0.00				1,096		65				
03/25/20	959	62	0.54	ND	440	0.00				1,039		67				
03/26/20	958	62				0.00				1,059		68				
03/27/20	958	62				0.00				1,078		62				
03/28/20	958	62				0.00				1,078		64	66			
03/29/20	959	62				0.00				1,075		65				
03/30/20 ³	958	62				0.00				1,048		66		11	0.022	0.020
03/31/20	956	62				0.00				1,072		68				
Monthly Average ²	955	62	0.30	ND	438	0.13	0.074	0.015	65	1,073	66	61	130	10.2	0.030	0.021

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 03/02, 03/09, 03/16, 03/23, and 03/30, 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 03/01 to 03/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.
 5: From 03/01 to 03/31, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics														
Date	1st Stage FBR ⁶			2nd Stage FBR ⁶			FBR Plant Effluent ⁷							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁷ (gpm)	TA - ClO ₄ (mg/L)	ETI - ClO ₄ (mg/L)	TA - ClO ₃ (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO ₃ - N (mg/L)	ETI - Turbidity (NTU)
03/01/20	1,142	6.6	-376	1,018	6.7	-391	1,122		ND					29
03/02/20	1,146	6.7	-384	947	6.8	-387	1,119		ND	0.025 J	0.0065	ND	ND	29
03/03/20	1,162	6.7	-385	1,067	6.8	-386	1,113		ND					17
03/04/20	1,122	6.6	-374	908	6.7	-387	1,096		ND					18
03/05/20	1,137	6.6	-379	1,000	6.7	-388	1,086		ND					13
03/06/20	1,149	6.7	-400	995	6.9	-389	1,137		ND					35
03/07/20	1,140	6.7	-403	1,011	6.9	-389	1,123	ND	ND					22
03/08/20	1,147	6.7	-338	992	6.9	-389	1,075		ND					35
03/09/20	1,158	6.7	-321	1,083	6.9	-388	1,123		ND		0.0076	ND	ND	20
03/10/20	1,132	6.6	-359	1,043	6.9	-389	1,115		ND					36
03/11/20	1,100	6.6	-282	876	7.0	-389	1,074		ND					22
03/12/20	1,131	6.7	-363	1,070	7.0	-391	1,063		ND					49
03/13/20	1,175	6.7	-353	1,080	7.0	-388	1,119		ND					32
03/14/20	1,153	6.7	-397	1,039	6.9	-390	1,112	ND	ND					19
03/15/20	1,145	6.7	-399	977	6.9	-391	1,106		ND					20
03/16/20	1,123	6.7	-408	1,050	6.9	-391	1,122		ND		0.0071	ND	ND	32
03/17/20	1,109	6.6	-397	852	6.8	-390	1,094		ND					24
03/18/20	1,155	6.6	-406	1,078	6.8	-389	1,108		ND					30
03/19/20	1,132	6.6	-261	1,055	6.7	-375	1,113		ND					31
03/20/20	1,027	6.6	-285	847	6.7	-377	1,094		ND					27
03/21/20	1,156	6.6	-293	1,007	6.7	-382	1,106	ND	ND					21
03/22/20	1,145	6.6	-369	1,087	6.7	-383	1,116		ND					16
03/23/20	1,138	6.6	-365	978	6.7	-386	1,107		ND		0.0092	ND	ND	24
03/24/20	1,106	6.6	-333	906	6.8	-388	1,096		ND					24
03/25/20	1,104	6.6	-315	1,018	6.7	-387	1,089		ND					39
03/26/20	1,134	6.5	-334	894	6.7	-388	1,082		ND					13
03/27/20	1,163	6.6	-253	1,059	6.7	-378	1,113		ND					15
03/28/20	1,142	6.6	-283	909	6.7	-379	1,117	ND	ND					29
03/29/20	1,126	6.5	-327	912	6.6	-381	1,105		ND					14
03/30/20	1,103	6.5	-310	906	6.7	-382	1,104		ND		0.0056	0.00048 J	ND	25
03/31/20	1,186	6.6	-382	1038	6.8	-377	1,048		ND					25
Monthly Average ²	1,135	6.6	-350	990	6.8	-386	1,103	ND	ND	0.025	0.0073	0.000077	ND	25

Notes:

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

ND = Not detected above laboratory method detection limit (ClO₄ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-N= 0.055 mg/L, Cr(VI) = 0.25 ug/L).

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

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

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

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

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

GW-11 Level Monitoring ¹		
Date	Field Measurement (ft)	Volume (MG)
03/15/20	24.2	44.3
03/31/20	25.4	42.7

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
03/11/20	0	0	761	0
03/25/20	0	0	1,162	0

GW-11 Composite Sample ³		
Analytes	Concentration	Units
Perchlorate	11	mg/L
Chlorate	17	mg/L
Ammonia as N	0.90	mg/L
Total Phosphorus	ND	mg/L
Total Dissolved Solids (TDS)	9,300	mg/L
Total Suspended Solids (TSS)	15	mg/L
pH	8.1 HF	s.u.
Calcium	440	mg/L
Iron	0.39	mg/L
Chromium (total)	0.063	mg/L
Chromium VI	16	mg/L
Chloride	2,900	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,500	mg/L

Notes:

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

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

H3 = Sample was received and analyzed past holding time.

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: November 5, 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)		
Apr 2019	1,038	102	10	89	529	906
May 2019	1,027	118	11	140	677	856
June 2019	1,009	138	6	120	620	791
July 2019	1,007	102	10	140	621	729
Aug 2019	1,005	123	10	140	664	674
Sep 2019	1,015	123	11	130	662	629
Oct 2019	1,012	217	10	130	852	683
Nov 2019	1,019	258	9	130	942	727
Dec 2019	1,050	235	9	120	895	773
Jan 2020	1,050	73	9	120	529	757
Feb 2020	1,060	54	10	120	502	730
Mar 2020	1,073	66	10	130	556	713

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.

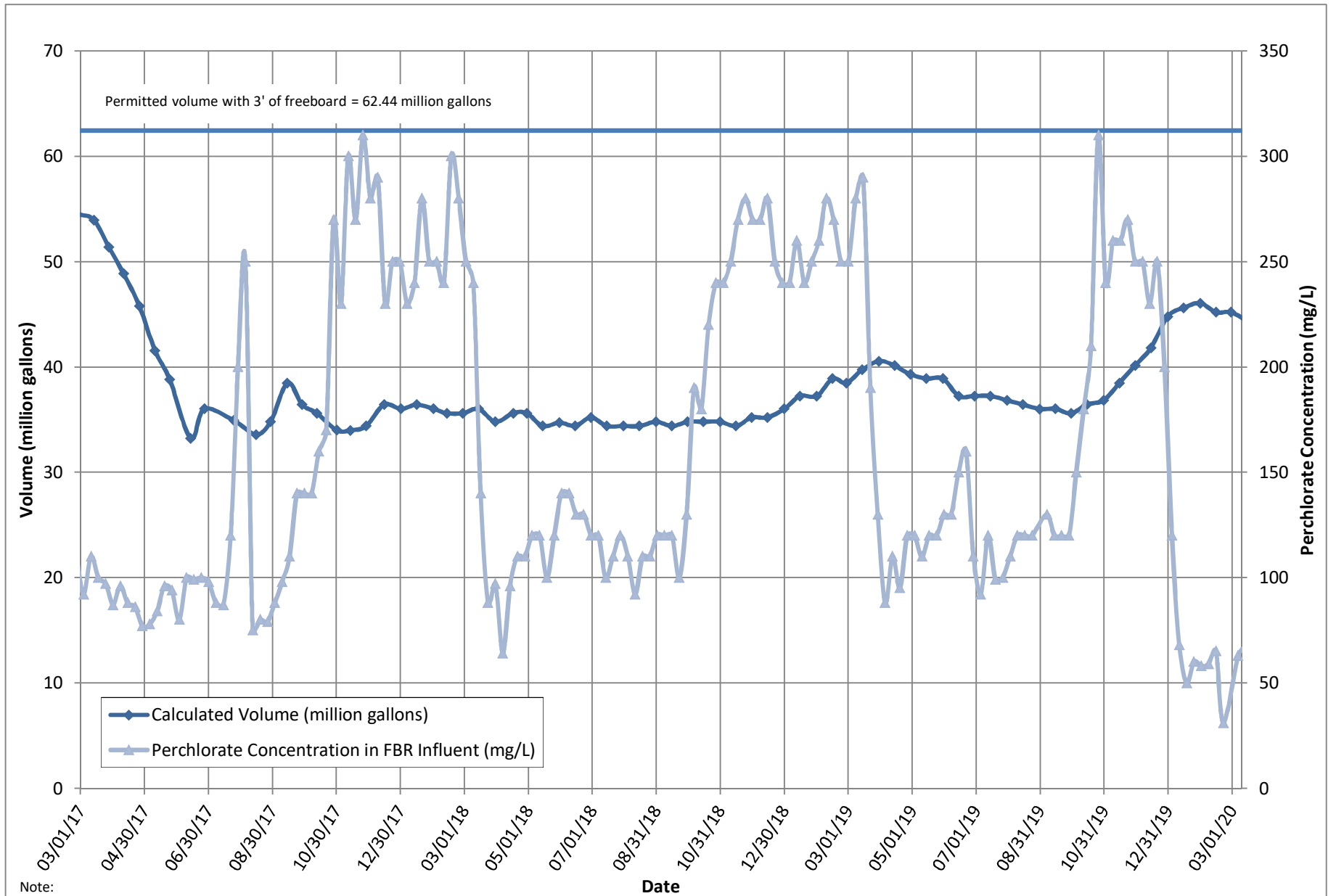
2: The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was decreased in March 2020 to prepare for the lower seasonal ammonia permit limits beginning April 1.

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

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E1-1		E1-2		E1-3		E2-1		E2-2		E2-3		E2-4		E2-5	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)
03/01/20	2.6	1712.24	1.2	1713.39	0.93	1713.57	1.1	1713.28	1.4	1714.46	1.6	1716.51	1.4	1717.77	0.61	1710.58
03/02/20	2.6	1712.53	1.2	1712.68	0.92	1713.57	1.1	1715.35	1.4	1715.78	1.5	1716.47	1.4	1717.72	0.62	1713.61
03/03/20	2.7	1712.94	1.2	1711.05	0.92	1713.27	1.1	1714.62	1.4	1714.61	1.7	1716.73	1.5	1716.89	0.38	1713.72
03/04/20	2.7	1711.72	1.2	1711.26	0.93	1712.19	1.1	1712.40	1.4	1715.03	1.7	1713.73	1.5	1716.19	0.37	1711.51
03/05/20	2.7	1711.87	1.2	1711.23	0.92	1712.34	1.1	1714.45	1.4	1714.11	1.7	1713.46	1.5	1716.18	0.37	1717.70
03/06/20	2.7	1712.54	1.2	1711.95	0.94	1714.30	1.1	1715.70	1.4	1716.04	1.6	1716.40	1.5	1718.53	0.46	1720.69
03/07/20	2.6	1713.33	1.2	1713.73	0.89	1714.94	1.1	1716.93	1.4	1716.09	1.6	1716.29	1.4	1718.06	0.43	1717.81
03/08/20	2.7	1711.62	1.2	1710.91	0.92	1714.20	1.1	1713.13	1.4	1715.62	1.6	1717.12	1.5	1716.59	0.44	1715.74
03/09/20	2.7	1711.77	1.2	1710.56	0.89	1714.07	1.1	1712.50	1.4	1715.56	1.6	1716.54	1.5	1716.51	0.41	1714.79
03/10/20	2.7	1711.95	1.2	1710.34	0.90	1713.76	1.1	1715.02	1.4	1713.88	1.6	1715.96	1.5	1716.56	0.47	1712.54
03/11/20	2.7	1710.56	1.2	1711.34	0.90	1713.73	1.1	1713.33	1.4	1713.91	1.4	1716.46	1.5	1717.26	0.17	1720.58
03/12/20	2.7	1711.63	1.2	1712.23	0.90	1714.52	1.1	1715.51	1.4	1715.97	1.4	1718.75	1.5	1718.81	0.41	1714.92
03/13/20	2.6	1711.65	1.1	1712.21	0.88	1713.97	1.1	1715.52	1.4	1715.97	1.4	1717.95	1.5	1716.88	0.39	1715.33
03/14/20	2.7	1711.87	1.2	1714.11	0.89	1713.91	1.1	1715.77	1.4	1716.07	1.4	1717.80	1.5	1716.55	0.42	1715.95
03/15/20	2.7	1712.43	1.2	1713.71	0.89	1713.42	1.1	1716.17	1.5	1716.42	1.4	1718.00	1.5	1716.86	0.41	1715.77
03/16/20	2.7	1713.12	1.2	1712.61	0.87	1715.02	1.1	1716.13	1.4	1714.64	1.6	1719.54	1.5	1718.67	0.38	1719.37
03/17/20	2.6	1713.68	1.1	1713.11	0.87	1714.42	1.1	1716.47	1.5	1714.39	1.5	1718.40	1.5	1718.26	0.34	1718.85
03/18/20	2.6	1712.58	1.1	1712.84	0.87	1713.93	1.1	1715.44	1.5	1715.48	1.5	1717.33	1.5	1717.11	0.56	1721.10
03/19/20	2.6	1712.62	1.1	1713.33	0.89	1709.81	1.1	1715.83	1.5	1715.43	1.4	1717.14	1.6	1718.91	0.53	1714.91
03/20/20	3.2	1715.31	1.6	1715.26	1.1	1717.19	1.4	1717.51	1.6	1715.19	1.9	1719.75	2.2	1721.15	0.79	1718.88
03/21/20	2.4	1711.65	1.2	1710.08	0.84	1712.86	1.1	1712.94	1.3	1717.81	1.4	1716.89	1.7	1713.68	0.61	1710.26
03/22/20	2.8	1710.82	1.4	1711.16	0.98	1712.44	1.3	1711.87	1.5	1716.00	1.5	1715.20	1.9	1712.45	0.69	1714.00
03/23/20	2.8	1711.57	1.4	1709.61	0.98	1712.48	1.3	1713.11	1.5	1715.96	1.4	1716.84	1.9	1713.11	0.69	1711.42
03/24/20	2.8	1711.61	1.5	1709.59	0.98	1712.77	1.3	1712.40	1.5	1717.01	1.3	1721.37	1.9	1714.42	0.70	1710.21
03/25/20	2.8	1713.75	1.5	1709.55	0.91	1711.83	1.3	1715.11	1.6	1717.63	1.6	1721.44	1.9	1715.61	0.70	1710.23
03/26/20	2.8	1709.65	1.4	1711.11	1.1	1711.95	1.2	1712.70	1.6	1712.81	1.5	1716.09	1.9	1713.84	1.1	1713.01
03/27/20	2.8	1709.80	1.4	1709.75	1.0	1711.99	1.2	1713.29	1.6	1713.89	1.5	1716.09	1.9	1712.84	0.41	1714.31
03/28/20	2.8	1710.52	1.4	1710.27	1.0	1711.01	1.2	1713.33	1.6	1713.41	1.5	1715.64	1.9	1713.27	0.71	1715.21
03/29/20	2.8	1710.76	1.4	1710.24	1.0	1711.02	1.2	1713.24	1.5	1713.11	1.5	1715.49	1.9	1714.01	0.70	1716.90
03/30/20	2.8	1711.46	1.4	1709.66	1.0	1712.57	1.2	1714.61	1.6	1715.55	1.6	1716.93	1.9	1714.33	0.71	1711.41
03/31/20	2.9	1711.41	1.4	1709.94	1.0	1712.96	1.2	1713.54	1.5	1713.26	1.5	1717.65	1.9	1714.55	0.72	1709.75
Monthly Average	2.7	1711.97	1.3	1711.58	0.94	1713.23	1.1	1714.42	1.5	1715.20	1.5	1717.10	1.7	1716.25	0.54	1714.87
Analytical	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ⁴ (mg/L)	Date
Perchlorate	500	3/3/2020	1,300	3/3/2020	570	3/3/2020	140	3/3/2020	330	3/3/2020	590	3/3/2020	840	3/3/2020	1,000	3/3/2020
Hexavalent Chromium	0.047	3/3/2020	0.26	3/3/2020	0.41	3/3/2020	0.043	3/3/2020	0.027	3/3/2020	0.031	3/3/2020	0.045	3/3/2020	0.098	3/3/2020
Total Chromium	0.064	3/3/2020	0.25	3/3/2020	0.41	3/3/2020	0.044	3/3/2020	0.028	3/3/2020	0.032	3/3/2020	0.052	3/3/2020	0.10	3/3/2020

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: Duplicates taken on 03/03 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



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.

Figure 2 - FBR Equivalent Loading Calculation

