

Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																											
Date	LS #1 Flow (gpm)	PC-116R (East Well)		PC-99R2/R3 (Center Well)		PC-115R (West Well)		PC-117		PC-118		PC-119		PC-120		PC-121		PC-133									
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)								
04/01/20	568	167	1538.62	94	1542.23	132	1543.68	110	1539.03	72	1548.10	103	1549.34	50	1550.47	20	1551.49	9.8	1524.67								
04/02/20	571	167	1538.57	95	1541.73	132	1543.63	111	1538.98	72	1548.06	104	1549.28	51	1550.42	20	1551.43	10	1524.58								
04/03/20	569	167	1538.55	94	1541.57	132	1543.61	111	1538.97	72	1548.04	103	1549.25	51	1550.39	19	1551.41	10	1524.53								
04/04/20	565	166	1538.51	94	1542.27	131	1543.58	110	1538.94	72	1548.02	103	1549.23	51	1550.35	19	1551.37	10	1524.47								
04/05/20	563	166	1538.47	94	1541.66	131	1543.53	110	1538.92	71	1547.98	103	1549.18	51	1550.32	19	1551.33	10	1524.45								
04/06/20 ²	570	166	1538.43	94	1541.99	131	1543.49	110	1538.86	72	1547.94	103	1549.13	51	1550.27	19	1551.28	10	1524.38								
04/07/20	568	166	1538.41	94	1541.95	131	1543.47	110	1538.83	72	1547.91	103	1549.11	51	1550.24	19	1551.26	10	1524.26								
04/08/20	586	166	1538.54	94	1541.60	131	1543.47	110	1538.89	72	1547.92	103	1549.08	50	1550.21	19	1551.23	9.7	1524.23								
04/09/20	591	165	1538.50	93	1542.14	131	1543.46	109	1538.86	72	1547.87	102	1549.05	50	1550.18	19	1551.20	10	1524.22								
04/10/20	589	167	1538.44	95	1541.92	132	1543.43	111	1538.80	72	1547.87	104	1549.03	51	1550.16	20	1551.18	10	1524.18								
04/11/20	587	166	1538.40	94	1541.61	132	1543.41	110	1538.77	72	1547.85	103	1549.00	50	1550.13	19	1551.15	10	1524.10								
04/12/20	586	166	1538.36	94	1541.80	131	1543.37	110	1538.74	72	1547.82	103	1548.97	51	1550.10	19	1551.12	9.7	1524.08								
04/13/20 ²	582	166	1538.32	94	1542.10	131	1543.33	110	1538.70	72	1547.76	103	1548.92	50	1550.05	19	1551.07	10	1523.97								
04/14/20	588	165	1538.28	94	1541.78	131	1543.30	109	1538.67	71	1547.75	102	1548.89	50	1550.03	19	1551.04	10	1523.91								
04/15/20	587	167	1538.24	94	1541.80	132	1543.28	109	1538.64	73	1547.73	104	1548.88	51	1550.01	19	1551.03	9.8	1523.91								
04/16/20	639	166	1538.19	94	1541.89	131	1543.25	113	1538.60	72	1547.71	103	1548.84	51	1549.97	19	1550.99	10	1523.77								
04/17/20	672	166	1538.16	94	1541.11	131	1543.22	110	1538.57	72	1547.70	103	1548.82	50	1549.94	19	1550.96	10	1523.76								
04/18/20	673	166	1538.12	94	1541.99	131	1543.19	110	1538.54	72	1547.66	103	1548.79	51	1549.91	19	1550.93	9.7	1523.70								
04/19/20	673	165	1538.09	94	1541.15	131	1543.16	110	1538.52	72	1547.65	103	1548.76	50	1549.89	19	1550.90	10	1523.63								
04/20/20 ²	631	166	1538.05	94	1541.41	131	1543.14	110	1538.49	72	1547.64	103	1548.74	50	1549.86	19	1550.88	10	1523.47								
04/21/20	673	166	1538.04	94	1541.55	132	1543.13	110	1538.47	72	1547.62	103	1548.72	51	1549.85	19	1550.86	10	1523.33								
04/22/20	672	165	1538.00	94	1541.57	131	1543.10	110	1538.43	72	1547.62	103	1548.70	50	1549.83	19	1550.84	9.7	1523.12								
04/23/20	673	166	1537.96	93	1541.86	131	1543.07	110	1538.43	72	1547.58	103	1548.67	51	1549.80	19	1550.82	9.7	1522.95								
04/24/20	672	166	1537.94	94	1541.69	131	1543.05	110	1538.39	72	1547.55	103	1548.65	51	1549.77	19	1550.79	10	1522.76								
04/25/20	672	165	1537.90	93	1541.46	131	1543.03	110	1538.36	72	1547.53	103	1548.62	50	1549.75	19	1550.77	9.7	1522.72								
04/26/20	672	166	1537.87	94	1541.54	131	1543.01	110	1538.33	72	1547.52	103	1548.60	51	1549.72	19	1550.74	9.7	1522.65								
04/27/20 ²	672	166	1537.83	94	1541.39	131	1542.97	110	1538.29	72	1547.49	103	1548.57	50	1549.69	19	1550.71	10	1522.51								
04/28/20	672	165	1537.79	93	1541.53	131	1542.95	110	1538.25	72	1547.46	103	1548.54	51	1549.66	19	1550.68	10	1522.53								
04/29/20	671	165	1537.76	92	1541.47	131	1542.92	110	1538.24	72	1547.45	103	1548.51	51	1549.64	19	1550.66	9.0	1522.34								
04/30/20	666	164	1537.73	92	1541.68	130	1542.91	109	1538.21	71	1547.44	102	1548.48	50	1549.62	19	1550.63	10	1522.88								
Monthly Average	622	166	1538.20	94	1541.71	131	1543.27	110	1538.62	72	1547.74	103	1548.88	50	1550.01	19	1551.03	10	1523.67								
Analytical ¹	Conc ² (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						
Perchlorate	11		4/1/2020	12		4/1/2020	8.9		4/1/2020	6.9		4/1/2020	3.5		4/1/2020	0.72		4/1/2020	0.069		4/1/2020	0.031 F1	4/1/2020	0.78		4/1/2020	
Hexavalent Chromium	0.0046		4/1/2020	0.00053 J		4/1/2020	ND		4/1/2020	0.0047		4/1/2020	ND		4/1/2020	ND		4/1/2020	ND		4/1/2020	ND		4/1/2020	ND		4/1/2020
Total Chromium	0.0048 J B		4/1/2020	0.0045 J B		4/1/2020	0.0033 J B		4/1/2020	0.0050 B		4/1/2020	0.0045 J B		4/1/2020	ND		4/1/2020	0.0049 J B		4/1/2020	ND		4/1/2020	ND		4/1/2020

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.
 B = Compound was found in the blank and sample.
 F1 = MS and/or MSD Recovery is outside acceptance limits.
 1: Analytical results are reported from TestAmerica.
 2: On 04/06, 04/13, 04/20, and 04/27, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: Duplicates taken on 04/01 for well PC-116R; 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 ³ (gpm)	Water Elevation (ft amsl)
04/01/20	403	43	1584.66	151	1584.24	24	1585.52	4.2	1579.05	60	1583.51	20	1585.56	169	1584.15	1.5	1578.49
04/02/20	403	42	1584.63	151	1584.21	24	1585.50	4.2	1579.02	60	1583.53	20	1585.48	169	1584.13	1.5	1579.20
04/03/20	402	43	1584.63	151	1584.21	24	1585.50	4.2	1579.02	60	1583.50	20	1585.48	169	1584.13	1.5	1579.59
04/04/20	403	42	1584.62	151	1584.20	24	1585.50	3.5	1579.01	60	1583.54	20	1585.52	168	1584.12	1.5	1578.97
04/05/20	402	42	1584.61	151	1584.18	24	1585.48	4.2	1578.99	59	1583.50	20	1585.48	169	1584.10	1.5	1578.91
04/06/20 ²	403	42	1584.58	150	1584.16	24	1585.47	4.2	1578.95	59	1583.44	20	1585.51	169	1584.08	1.5	1579.46
04/07/20	401	42	1584.58	151	1584.16	24	1585.46	4.2	1578.95	60	1583.44	19	1585.48	169	1584.08	1.5	1579.28
04/08/20	402	42	1584.55	150	1584.13	24	1585.43	3.5	1578.98	60	1583.44	20	1585.48	169	1584.05	1.5	1579.45
04/09/20	403	42	1584.54	150	1584.12	23	1585.43	4.1	1578.92	60	1583.42	20	1585.48	169	1584.04	1.5	1579.42
04/10/20	403	42	1584.53	151	1584.11	24	1585.43	4.2	1578.91	60	1583.44	20	1585.48	169	1584.04	1.5	1579.48
04/11/20	404	42	1584.52	151	1584.10	24	1585.42	4.2	1578.90	60	1583.43	20	1585.45	169	1584.03	1.5	1579.06
04/12/20	403	42	1584.50	151	1584.08	24	1585.40	3.5	1578.86	59	1583.40	20	1585.44	169	1584.01	1.5	1579.27
04/13/20 ²	403	42	1584.47	150	1584.05	24	1585.34	4.0	1578.82	60	1583.36	20	1585.44	169	1583.98	1.5	1578.68
04/14/20	401	42	1584.46	150	1584.04	23	1585.38	3.4	1578.81	59	1583.36	20	1585.37	170	1583.97	1.5	1579.39
04/15/20	401	42	1584.47	150	1584.04	24	1585.38	4.2	1578.82	60	1583.36	20	1585.41	170	1583.97	1.5	1579.25
04/16/20	401	42	1584.45	150	1584.02	24	1585.37	4.2	1578.82	60	1583.36	19	1585.38	169	1583.96	1.5	1578.92
04/17/20	403	42	1584.43	151	1584.01	24	1585.36	4.2	1578.82	60	1583.32	20	1585.38	169	1583.94	1.5	1579.29
04/18/20	403	42	1584.41	151	1583.99	23	1585.34	3.5	1578.82	60	1583.32	19	1585.35	169	1583.92	1.5	1579.04
04/19/20	403	42	1584.40	150	1583.98	24	1585.33	4.2	1578.82	60	1583.33	19	1585.35	168	1583.91	1.5	1579.33
04/20/20 ²	402	42	1584.38	150	1583.96	24	1585.32	3.9	1578.82	60	1583.29	20	1585.35	169	1583.90	1.5	1579.08
04/21/20	400	42	1584.36	150	1583.94	23	1585.31	3.5	1578.82	60	1583.29	20	1585.33	169	1583.88	1.5	1579.11
04/22/20	399	42	1584.36	151	1583.93	24	1585.31	4.2	1578.82	60	1583.27	19	1585.31	169	1583.87	1.5	1579.35
04/23/20	400	42	1584.35	150	1583.92	23	1585.30	4.2	1578.82	60	1583.24	19	1585.34	169	1583.86	1.5	1579.23
04/24/20	402	42	1584.33	151	1583.90	24	1585.29	3.5	1578.82	60	1583.22	20	1585.28	169	1583.85	1.5	1578.73
04/25/20	402	42	1584.32	151	1583.90	23	1585.28	4.2	1578.81	60	1583.22	19	1585.28	169	1583.84	1.5	1578.64
04/26/20	401	42	1584.31	151	1583.88	23	1585.27	4.2	1578.81	60	1583.22	19	1585.27	169	1583.83	1.5	1578.91
04/27/20 ²	401	42	1584.29	151	1583.87	23	1585.26	3.9	1578.82	60	1583.19	20	1585.24	169	1583.81	1.5	1579.27
04/28/20	399	42	1584.28	150	1583.85	23	1585.25	4.2	1578.81	60	1583.19	19	1585.25	169	1583.80	1.5	1578.94
04/29/20	399	42	1584.27	151	1583.84	24	1585.24	3.5	1578.82	60	1583.17	19	1585.24	169	1583.79	1.5	1579.14
04/30/20	397	42	1584.26	149	1583.83	23	1585.24	4.1	1578.82	59	1583.13	19	1585.25	167	1583.78	1.5	1578.86
Monthly Average	402	42	1584.45	150	1584.03	23	1585.37	4.0	1578.88	60	1583.35	20	1585.39	169	1583.96	1.5	1579.12
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 ⁴ (mg/L)	Date
Perchlorate		27	4/1/2020	11	4/1/2020	190	4/1/2020	140	4/1/2020	180	4/1/2020	110	4/1/2020	65	4/1/2020	56	4/1/2020
Hexavalent Chromium		ND	4/1/2020	0.0036	4/1/2020	0.31	4/1/2020	0.16	4/1/2020	0.59	4/1/2020	0.54	4/1/2020	0.068	4/1/2020	0.054	4/1/2020
Total Chromium		0.0058 B	4/1/2020	0.0038 J B	4/1/2020	0.33 B	4/1/2020	0.18 B	4/1/2020	0.62 B	4/1/2020	0.57 B	4/1/2020	0.077 B	4/1/2020	0.062 B	4/1/2020

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).
 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.
 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 TestAmerica.
 2: On 04/06, 04/13, 04/20, and 04/27, 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: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 04/01-04/30 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.
 4: Duplicates taken on 04/01 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 ^{4,5} (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)
04/01/20	0.00	1727.33	0.68	1715.31	0.00	1720.88	0.00	1724.00	0.00	1739.28	0.90	1709.69	3.1	1720.33	0.92	1724.32	0.45	1723.65	4.6	1723.47
04/02/20	0.00	1727.26	0.64	1715.07	0.031	1720.89	0.01	1723.91	0.037	1739.36	0.90	1709.21	3.1	1720.35	0.92	1724.32	0.44	1723.68	4.6	1723.69
04/03/20	0.00	1727.31	0.55	1718.07	0.00	1720.93	0.00	1723.98	0.00	1739.38	0.90	1709.66	3.0	1720.38	0.92	1724.35	0.44	1723.72	4.6	1723.64
04/04/20	0.00	1727.39	0.41	1718.35	0.00	1720.96	0.00	1723.99	0.00	1739.38	0.90	1709.70	3.0	1720.41	0.90	1724.37	0.44	1723.73	4.6	1723.63
04/05/20	0.00	1727.48	0.38	1718.35	0.00	1720.97	0.00	1723.98	0.00	1739.39	0.91	1709.76	3.0	1720.43	0.89	1724.38	0.44	1723.73	4.7	1723.68
04/06/20 ²	0.00	1727.48	0.38	1718.40	0.00	1720.97	0.00	1723.94	0.00	1739.46	0.91	1709.68	3.1	1720.45	0.89	1724.37	0.46	1723.71	4.6	1723.75
04/07/20	0.00	1727.42	0.38	1718.51	0.00	1720.98	0.00	1723.96	0.00	1739.48	0.91	1709.74	3.0	1720.53	0.89	1724.41	0.48	1723.65	4.6	1723.75
04/08/20	0.00	1727.47	0.56	1715.15	0.00	1720.92	0.00	1723.95	0.00	1739.54	0.91	1709.71	3.0	1720.55	0.89	1724.41	0.54	1721.87	4.6	1723.78
04/09/20	0.00	1727.49	0.69	1715.31	0.00	1720.87	0.00	1723.93	0.00	1739.50	0.88	1709.75	3.0	1720.57	0.90	1724.42	0.96	1722.33	4.6	1723.78
04/10/20	0.00	1727.47	0.67	1715.33	0.00	1720.87	0.00	1723.98	0.00	1739.48	0.88	1709.62	3.0	1720.58	0.91	1724.45	0.86	1722.51	4.6	1723.77
04/11/20	0.00	1727.43	0.66	1715.77	0.00	1720.87	0.00	1724.01	0.00	1739.56	0.88	1709.64	3.0	1720.59	0.91	1724.46	0.88	1722.49	4.6	1723.74
04/12/20	0.00	1727.37	0.64	1715.89	0.00	1720.88	0.00	1723.99	0.00	1739.51	0.88	1709.69	3.0	1720.60	0.90	1724.46	0.88	1722.47	4.7	1723.81
04/13/20 ²	0.00	1727.58	0.57	1715.71	0.00	1720.86	0.00	1723.95	0.00	1739.56	0.89	1709.62	3.0	1720.58	0.90	1724.43	0.72	1722.48	4.6	1723.87
04/14/20	0.00	1727.49	0.63	1717.88	0.00	1720.87	0.00	1723.96	0.00	1739.49	0.88	1709.64	3.0	1720.63	0.90	1724.48	0.88	1722.49	4.6	1723.84
04/15/20 ³	0.01	1726.42	0.61	1716.17	0.00	1720.91	0.00	1724.03	0.00	1739.54	0.88	1709.66	3.0	1720.81	0.89	1724.51	0.86	1723.06	4.5	1723.76
04/16/20	0.12	1724.70	0.60	1716.20	0.00	1720.95	0.00	1724.03	0.00	1739.50	0.86	1709.67	2.9	1720.82	0.87	1724.51	0.74	1723.03	4.6	1723.82
04/17/20	0.11	1724.42	0.60	1716.25	0.00	1720.96	0.00	1724.02	0.00	1739.59	0.79	1709.70	3.1	1720.84	0.87	1724.52	0.74	1723.04	4.6	1723.87
04/18/20	0.12	1724.24	0.59	1716.30	0.00	1720.97	0.00	1724.01	0.00	1739.60	0.94	1709.60	2.9	1720.86	0.88	1724.54	0.74	1723.02	4.7	1723.91
04/19/20	0.11	1724.15	0.59	1716.37	0.00	1720.97	0.00	1724.02	0.00	1739.62	0.91	1709.62	3.0	1720.82	0.88	1724.55	0.76	1723.03	4.7	1723.91
04/20/20 ²	0.07	1724.08	0.60	1716.43	0.00	1720.98	0.00	1724.01	0.00	1739.62	0.88	1709.73	3.0	1720.84	0.88	1724.56	0.78	1723.01	4.6	1723.94
04/21/20	0.12	1723.82	0.58	1716.55	0.00	1720.94	0.00	1724.00	0.00	1739.56	0.92	1709.69	3.0	1720.86	0.88	1724.46	0.77	1722.97	4.6	1723.96
04/22/20	0.11	1724.05	0.57	1716.60	0.00	1720.90	0.00	1724.02	0.00	1739.63	0.85	1709.73	3.0	1720.85	0.88	1724.58	0.77	1723.02	4.6	1723.94
04/23/20	0.10	1724.04	0.56	1716.67	0.00	1720.87	0.00	1724.03	0.00	1739.68	0.86	1709.65	3.0	1720.84	0.88	1724.58	0.77	1722.99	4.6	1723.94
04/24/20	0.11	1723.94	0.54	1716.67	0.00	1720.85	0.00	1724.03	0.00	1739.71	0.84	1709.63	2.9	1720.82	0.88	1724.59	0.79	1722.96	4.6	1723.96
04/25/20	0.11	1723.87	0.55	1716.70	0.00	1720.85	0.00	1724.04	0.00	1739.71	0.83	1709.65	2.9	1720.83	0.88	1724.60	0.78	1722.97	4.6	1723.95
04/26/20	0.11	1723.89	0.55	1716.66	0.00	1720.84	0.00	1724.06	0.00	1739.61	0.83	1709.61	2.9	1720.82	0.88	1724.62	0.77	1722.99	4.7	1723.95
04/27/20 ²	0.11	1723.88	0.56	1716.74	0.00	1720.83	0.00	1724.08	0.00	1739.67	0.85	1709.67	3.0	1720.82	0.88	1724.62	0.78	1722.99	4.6	1723.99
04/28/20	0.11	1723.48	0.53	1716.82	0.00	1720.80	0.00	1724.04	0.00	1739.66	0.84	1709.63	2.9	1720.82	0.88	1724.63	0.78	1723.00	4.6	1724.01
04/29/20	0.11	1723.60	0.53	1716.82	0.00	1720.83	0.00	1724.07	0.00	1739.73	0.83	1709.72	2.9	1720.84	0.88	1724.65	0.80	1723.01	4.6	1723.98
04/30/20	0.09	1724.68	0.53	1716.82	0.00	1720.82	0.00	1724.08	0.00	1739.64	0.84	1709.67	2.9	1720.85	0.88	1724.66	0.79	1723.13	4.6	1723.97
Monthly Average	0.05	1725.71	0.56	1716.60	0.00	1720.90	0.00	1724.00	0.00	1739.55	0.88	1709.66	3.0	1720.68	0.89	1724.49	0.71	1723.02	4.6	1723.84
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	270	4/2/2020	38	4/2/2020	150	4/2/2020	240	4/2/2020	170	4/2/2020	350	4/2/2020	400	4/2/2020	620	4/2/2020	350	4/2/2020	410	4/2/2020
Hexavalent Chromium	0.012	4/2/2020	0.053	4/2/2020	ND	4/2/2020	2.2	4/2/2020	1.4	4/2/2020	0.21	4/2/2020	2.9	4/2/2020	4.7	4/2/2020	5.3	4/2/2020	11	4/2/2020
Total Chromium	0.47 B	4/2/2020	0.054	4/2/2020	0.024	4/2/2020	2.1 B	4/2/2020	1.4 B	4/2/2020	0.24 B	4/2/2020	3.0 B	4/2/2020	4.7 B	4/2/2020	5.1 B	4/2/2020	11 B	4/2/2020

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 TestAmerica.
- 2: On 04/06, 04/13, 04/20, and 04/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
- 3: On 04/15, IWF offline briefly due to power surge that caused changes in flows and levels throughout the well field.
- 4: On 04/08, I-AA, I-E, I-L, I-R, and I-U adjusted to meet flow target as directed by the Trust.
- 5: On 04/14, I-AA offline briefly due to instrument error.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁴ (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)
04/01/20	0.14	1722.87	1.6	1721.39	5.0	1723.29	7.5	1712.20	4.0	1709.11	1.1	1722.20	1.5	1724.19	2.5	1723.15	0.31	1723.23	1.3	1723.32
04/02/20	0.14	1723.05	1.6	1721.41	5.0	1723.28	7.5	1712.18	4.0	1709.14	1.1	1722.22	1.5	1724.22	2.4	1723.19	0.31	1723.23	1.3	1723.32
04/03/20	0.14	1723.10	1.6	1721.44	5.0	1723.30	7.5	1712.19	4.0	1709.14	1.1	1722.24	1.5	1724.25	2.3	1723.22	0.31	1723.25	1.3	1723.34
04/04/20	0.14	1723.12	1.6	1721.47	4.9	1723.32	7.5	1712.19	4.0	1709.15	1.1	1722.27	1.5	1724.27	2.3	1723.24	0.31	1723.26	1.3	1723.36
04/05/20	0.14	1723.12	1.6	1721.48	4.9	1723.32	7.5	1712.19	4.0	1709.14	1.1	1722.30	1.5	1724.28	2.3	1723.24	0.31	1723.27	1.3	1723.37
04/06/20 ²	0.14	1723.12	1.6	1721.49	5.0	1723.31	7.5	1712.18	4.0	1709.14	1.1	1722.30	1.5	1724.28	2.4	1723.24	0.30	1723.27	1.3	1723.37
04/07/20	0.14	1723.19	1.6	1721.53	5.0	1723.33	7.5	1712.19	4.0	1709.14	1.1	1722.30	1.5	1724.32	2.4	1723.29	0.30	1723.29	1.3	1723.39
04/08/20	0.14	1723.20	1.6	1721.53	5.0	1723.33	7.5	1712.19	4.0	1709.13	1.1	1722.30	1.4	1724.33	2.4	1723.28	0.30	1723.30	1.3	1723.40
04/09/20	0.15	1723.21	1.6	1721.51	5.0	1723.34	7.5	1712.19	4.0	1709.14	1.1	1722.25	1.4	1724.34	2.4	1723.29	0.30	1723.31	1.3	1723.41
04/10/20	0.14	1723.24	1.6	1721.55	5.0	1723.36	7.5	1712.20	4.0	1709.13	1.1	1722.26	1.4	1724.36	2.4	1723.31	0.30	1723.33	1.3	1723.43
04/11/20	0.15	1723.26	1.6	1721.60	4.9	1723.30	7.5	1712.20	4.0	1709.14	1.1	1722.28	1.4	1724.37	2.4	1723.33	0.30	1723.34	1.3	1723.44
04/12/20	0.15	1723.26	1.6	1721.58	4.9	1723.38	7.5	1712.20	4.0	1709.14	1.1	1722.28	1.4	1724.37	2.3	1723.33	0.31	1723.35	1.3	1723.45
04/13/20 ²	0.14	1723.26	1.6	1721.56	5.0	1723.36	7.5	1712.49	4.0	1709.13	1.1	1722.27	1.4	1724.35	2.4	1723.30	0.30	1723.33	1.3	1723.43
04/14/20	0.14	1723.28	1.6	1721.60	5.0	1723.38	7.6	1712.20	3.9	1709.14	1.1	1722.29	1.4	1724.39	2.4	1723.36	0.30	1723.36	1.3	1723.46
04/15/20 ³	0.14	1723.34	1.6	1721.67	5.0	1723.42	7.6	1712.21	3.9	1709.14	1.1	1722.37	1.4	1724.43	2.3	1723.45	0.28	1723.42	1.3	1723.55
04/16/20	0.14	1723.35	1.6	1721.66	5.0	1723.42	7.6	1712.22	4.0	1709.14	1.1	1722.40	1.4	1724.43	2.2	1723.45	0.17	1723.42	1.1	1723.55
04/17/20	0.14	1723.37	1.6	1721.69	5.0	1723.43	7.6	1712.21	4.0	1709.13	1.1	1722.40	1.4	1724.44	2.2	1723.46	0.18	1723.45	1.1	1723.59
04/18/20	0.14	1723.40	1.6	1721.71	4.9	1723.44	7.6	1712.22	4.0	1709.14	1.1	1722.42	1.4	1724.45	2.2	1723.46	0.18	1723.48	1.1	1723.61
04/19/20	0.14	1723.42	1.6	1721.74	4.9	1723.46	7.6	1712.22	4.0	1709.15	1.1	1722.45	1.4	1724.46	2.2	1723.47	0.18	1723.50	1.1	1723.64
04/20/20 ²	0.14	1723.43	1.6	1721.76	5.0	1723.46	7.6	1712.20	4.0	1709.15	1.1	1722.45	1.4	1724.48	2.3	1723.49	0.23	1723.52	1.2	1723.65
04/21/20	0.14	1723.43	1.6	1721.70	5.0	1723.46	7.6	1712.20	3.9	1709.14	1.1	1722.38	1.4	1724.46	2.2	1723.49	0.24	1723.41	1.3	1723.34
04/22/20	0.14	1723.44	1.5	1721.67	5.0	1723.45	7.6	1712.23	4.0	1709.15	1.1	1722.24	1.5	1724.48	2.2	1723.51	0.33	1723.38	2.0	1723.29
04/23/20	0.14	1723.45	1.5	1721.66	5.0	1723.45	7.7	1712.23	4.0	1709.15	1.2	1722.12	1.5	1724.48	2.3	1723.51	0.33	1723.38	2.0	1723.31
04/24/20	0.14	1723.46	1.5	1721.66	5.0	1723.44	7.6	1712.22	4.0	1709.16	1.2	1722.08	1.5	1724.49	2.3	1723.53	0.34	1723.38	1.9	1723.32
04/25/20	0.14	1723.46	1.5	1721.69	4.9	1723.46	7.7	1712.23	4.0	1709.16	1.2	1722.09	1.5	1724.51	2.2	1723.54	0.32	1723.40	1.9	1723.32
04/26/20	0.14	1723.47	1.4	1721.70	4.9	1723.46	7.6	1712.23	4.0	1709.16	1.2	1722.08	1.4	1724.60	2.2	1723.57	0.31	1723.42	2.0	1723.35
04/27/20 ²	0.14	1723.46	1.5	1721.71	5.0	1723.47	7.6	1712.21	4.0	1709.17	1.2	1722.08	1.4	1724.61	2.2	1723.57	0.30	1723.42	1.8	1723.35
04/28/20	0.14	1723.47	1.4	1721.72	5.0	1723.47	7.6	1712.22	4.0	1709.19	1.2	1722.08	1.3	1724.71	2.2	1723.57	0.29	1723.44	1.9	1723.37
04/29/20	0.14	1723.48	1.4	1721.75	4.9	1723.48	7.6	1712.23	4.0	1709.20	1.2	1722.08	1.2	1724.73	2.1	1723.59	0.28	1723.46	1.9	1723.39
04/30/20	0.14	1723.48	1.4	1721.77	4.9	1723.49	7.7	1712.24	4.0	1709.24	1.2	1722.08	1.2	1724.74	2.1	1723.60	0.28	1723.45	1.9	1723.40
Monthly Average	0.14	1723.31	1.6	1721.61	5.0	1723.40	7.6	1712.22	4.0	1709.15	1.1	1722.25	1.4	1724.43	2.3	1723.40	0.28	1723.37	1.5	1723.42
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	730	4/2/2020	720	4/2/2020	680	4/2/2020	260	4/2/2020	280	4/2/2020	290	4/2/2020	330	4/2/2020	370	4/2/2020	590	4/2/2020	730	4/2/2020
Hexavalent Chromium	15	4/2/2020	14	4/2/2020	8.5	4/2/2020	3.9	4/2/2020	2.2	4/2/2020	0.81	4/2/2020	5.2	4/2/2020	6.0	4/2/2020	12	4/2/2020	14	4/2/2020
Total Chromium	16 B	4/2/2020	15 B	4/2/2020	9.4 B	4/2/2020	4.2 B	4/2/2020	2.4 B	4/2/2020	0.88 B	4/2/2020	4.8 B	4/2/2020	6.0 B	4/2/2020	14 B	4/2/2020	14 B	4/2/2020

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 TestAmerica.
- 2: On 04/06, 04/13, 04/20, and 04/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
- 3: On 04/15, IWF offline briefly due to power surge that caused changes in flows and levels throughout the well field.
- 4: On 04/08, I-AA, I-E, I-L, I-R, and I-U adjusted to meet flow target as directed by the Trust.
- 6: On 04/21, I-O, I-P, I-Q, I-R, I-T, I-W, and I-Y adjusted to meet flow target as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y		I-Z	
	Flow ⁶ (gpm)	Water Elevation (ft amsl)	Flow ⁶ (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)	Flow ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁶ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
04/01/20	0.30	1722.30	0.63	1721.67	5.5	1721.69	0.50	1719.09	0.49	1719.19	4.4	1722.43	0.85	1721.28	3.3	1720.58	1.0	1719.05	8.7	1715.23
04/02/20	0.30	1722.30	0.62	1724.19	5.5	1721.72	0.49	1719.17	0.46	1719.98	4.4	1722.42	0.83	1721.05	3.3	1720.59	1.0	1719.21	8.7	1715.20
04/03/20	0.30	1722.34	0.62	1724.65	5.5	1721.74	0.49	1719.36	0.42	1719.92	4.4	1722.45	0.83	1721.60	3.4	1720.62	1.0	1718.32	8.7	1715.26
04/04/20	0.30	1722.36	0.62	1724.47	5.4	1721.76	0.49	1719.27	0.43	1719.90	4.3	1722.47	0.82	1722.02	3.4	1720.65	1.0	1719.04	8.6	1715.30
04/05/20	0.30	1722.38	0.62	1724.47	5.4	1721.78	0.50	1719.25	0.43	1719.91	4.5	1722.48	0.82	1722.10	3.4	1720.67	1.0	1718.83	8.4	1715.29
04/06/20 ²	0.29	1722.42	0.62	1724.51	5.5	1721.79	0.49	1719.29	0.43	1719.87	4.4	1722.48	0.82	1722.20	3.4	1720.65	1.0	1718.65	8.5	1715.26
04/07/20	0.28	1722.48	0.63	1724.54	5.5	1721.82	0.50	1719.34	0.43	1719.97	4.4	1722.50	0.78	1722.29	3.4	1720.70	1.0	1718.69	8.6	1715.34
04/08/20	0.27	1722.49	0.66	1722.79	5.5	1721.83	0.48	1719.52	0.46	1714.67	4.4	1722.50	0.77	1722.35	3.3	1720.72	1.0	1718.71	8.7	1715.33
04/09/20	0.27	1722.53	1.1	1723.28	5.5	1721.81	0.47	1719.51	0.81	1715.13	4.4	1722.52	0.79	1722.25	3.4	1720.73	1.0	1718.67	8.7	1715.39
04/10/20	0.26	1722.57	1.0	1723.48	5.5	1721.82	0.49	1719.19	0.77	1715.77	4.4	1722.54	0.79	1722.30	3.4	1720.75	1.0	1718.79	8.7	1715.43
04/11/20	0.26	1722.59	0.98	1723.57	5.4	1721.84	0.51	1719.25	0.77	1715.44	4.4	1722.56	0.79	1722.34	3.4	1720.76	1.0	1718.83	8.6	1715.47
04/12/20	0.26	1722.60	0.96	1723.71	5.4	1721.84	0.50	1719.27	0.76	1715.60	4.5	1722.56	0.79	1722.35	3.4	1720.76	1.0	1719.72	8.4	1715.46
04/13/20 ²	0.27	1722.59	0.86	1723.73	5.5	1721.83	0.49	1719.28	0.63	1715.72	4.4	1722.54	0.79	1722.30	3.4	1720.74	1.0	1720.52	8.6	1715.41
04/14/20	0.26	1722.63	0.93	1723.88	5.5	1721.85	0.50	1719.28	0.74	1715.88	4.4	1722.57	0.80	1722.36	3.4	1720.79	1.0	1720.89	8.7	1715.55
04/15/20 ³	0.25	1722.87	0.79	1722.69	5.5	1721.91	0.47	1721.43	0.76	1715.19	4.4	1722.61	0.78	1722.73	3.3	1720.87	1.0	1720.86	8.6	1715.80
04/16/20	0.19	1722.79	0.29	1722.71	5.5	1721.94	0.25	1721.43	0.79	1715.09	4.4	1722.62	0.78	1722.64	3.4	1720.88	0.97	1718.86	8.7	1715.73
04/17/20	0.22	1722.80	0.30	1722.68	5.6	1721.97	0.26	1721.37	0.79	1715.31	4.4	1722.63	0.69	1723.34	3.4	1720.89	0.97	1719.16	8.7	1715.76
04/18/20	0.22	1722.81	0.32	1722.64	5.6	1721.98	0.27	1721.31	0.78	1715.58	4.4	1722.65	0.48	1723.49	3.4	1720.90	0.97	1718.41	8.6	1715.76
04/19/20	0.22	1722.82	0.32	1722.70	5.6	1722.00	0.29	1721.29	0.76	1715.82	4.5	1722.67	0.47	1723.53	3.4	1720.91	0.99	1718.64	8.6	1715.77
04/20/20 ²	0.23	1722.83	0.54	1722.62	5.5	1722.02	0.36	1721.18	0.75	1715.04	4.4	1722.68	0.68	1723.54	3.4	1720.93	0.99	1718.57	8.6	1715.77
04/21/20	0.34	1722.00	0.62	1720.23	5.5	1721.99	0.39	1719.40	0.78	1715.45	4.4	1722.65	0.64	1722.12	3.4	1720.93	0.97	1718.76	8.7	1715.83
04/22/20	0.51	1722.10	0.96	1720.47	5.5	1721.92	0.53	1719.39	0.77	1715.68	4.4	1722.64	0.92	1722.21	3.3	1720.95	1.3	1719.07	8.7	1715.81
04/23/20	0.49	1722.09	0.88	1720.44	5.5	1721.87	0.52	1719.34	0.76	1715.70	4.4	1722.64	0.89	1722.24	3.4	1720.96	1.4	1716.89	8.7	1715.81
04/24/20	0.50	1722.08	0.88	1720.33	5.5	1721.83	0.53	1719.29	0.76	1715.94	4.3	1722.63	0.85	1722.48	3.4	1720.98	1.4	1716.56	8.6	1715.82
04/25/20	0.51	1722.12	0.83	1720.44	5.6	1721.82	0.54	1719.31	0.74	1716.08	4.3	1722.65	0.72	1722.85	3.4	1721.00	1.4	1720.47	8.1	1715.84
04/26/20	0.52	1721.97	0.75	1720.38	5.6	1721.81	0.55	1719.22	0.73	1716.22	4.5	1722.66	0.63	1723.01	3.4	1721.00	1.4	1716.77	8.1	1715.80
04/27/20 ²	0.44	1722.00	0.78	1720.44	5.5	1721.81	0.49	1719.33	0.76	1716.30	4.4	1722.66	0.76	1723.12	3.4	1721.01	1.3	1716.89	8.5	1715.82
04/28/20	0.54	1721.99	0.73	1720.43	5.5	1721.80	0.53	1719.42	0.72	1716.72	4.4	1722.66	0.58	1723.22	3.3	1721.01	1.4	1716.79	7.9	1715.82
04/29/20	0.56	1722.00	0.72	1720.71	5.5	1721.81	0.53	1719.41	0.70	1716.85	4.4	1722.68	0.55	1723.29	3.3	1721.03	1.4	1716.80	7.7	1715.86
04/30/20	0.55	1722.01	0.70	1720.45	5.5	1721.81	0.52	1719.71	0.69	1716.92	4.3	1722.69	0.53	1723.34	3.4	1721.04	1.4	1717.11	7.5	1715.89
Monthly Average	0.34	1722.40	0.71	1722.44	5.5	1721.85	0.46	1719.73	0.67	1716.69	4.4	1722.58	0.74	1722.53	3.4	1720.83	1.1	1718.61	8.5	1715.59
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	630	4/2/2020	630	4/2/2020	290	4/2/2020	850	4/2/2020	990	4/2/2020	670	4/2/2020	655	4/2/2020	580	4/2/2020	410	4/2/2020	390	4/2/2020
Hexavalent Chromium	15	4/2/2020	0.53	4/2/2020	1.2	4/2/2020	15	4/2/2020	16	4/2/2020	12	4/2/2020	14	4/2/2020	7.2	4/2/2020	0.70	4/2/2020	7.3	4/2/2020
Total Chromium	14 B	4/2/2020	0.56 B	4/2/2020	1.3 B	4/2/2020	16 B	4/2/2020	16 B	4/2/2020	13 B	4/2/2020	14 B	4/2/2020	7.1 B	4/2/2020	0.75 B	4/2/2020	7.8 B	4/2/2020

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 TestAmerica.
- 2: On 04/06, 04/13, 04/20, and 04/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
- 3: On 04/15, IWF offline briefly due to power surge that caused changes in flows and levels throughout the well field.
- 4: On 04/08, I-AA, I-E, I-L, I-R, and I-U adjusted to meet flow target as directed by the Trust.
- 6: On 04/21, I-O, I-P, I-Q, I-R, I-T, I-W, and I-Y adjusted to meet flow target as directed by the Trust.
- 7: On 04/18, I-W offline briefly due to instrument error.
- 8: Duplicates taken on 04/02 for well I-W; 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 ₂ (mg/L)	TA - ClO ₂ (mg/L)	TA - NO ₃ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
04/01/20	955	62	0.26 B	ND	410	0.00				1,081		70				
04/02/20	962	62				0.00				1,072		71				
04/03/20	957	61				0.00				1,052		69				
04/04/20	956	61				0.00				1,059	78	71				
04/05/20	957	62				0.00				1,149		70				
04/06/20	957	61				0.00				1,115		64	100	12	0.039 B	0.030
04/07/20	955	61				0.00				1,048		69				
04/08/20	953	62	0.26	ND	420	0.00				1,093		68				
04/09/20	956	62				0.00				1,066		69				
04/10/20	955	62				0.00				1,066		70				
04/11/20	956	62				0.00				1,064	81	67				
04/12/20	956	62				0.00				1,048		67				
04/13/20	955	62				3.7	0.076	0.034	49	1,090		62		12	0.027	0.023
04/14/20	954	62				0.00				1,073		68				
04/15/20	953	62	0.27	ND	530	0.00				1,110		68				
04/16/20	979	61				0.00				1,093		68				
04/17/20	958	61				0.00				1,069		68				
04/18/20	953	61				0.00				1,102	74	66				
04/19/20	953	61				0.00				1,080		68				
04/20/20	958	61				0.00				1,075		67		10	0.030	0.025
04/21/20	951	62				0.00				1,114		71				
04/22/20	951	63	0.34	ND	420	0.00				1,071		71				
04/23/20	953	62				0.00				1,063		70				
04/24/20	951	63				0.00				1,080		74				
04/25/20	953	63				0.00				1,078	77	73				
04/26/20	952	62				0.00				1,088		75				
04/27/20	953	63				0.00				1,079		65		8.4	0.030	0.027
04/28/20	950	62				0.00				1,050		77				
04/29/20	949	62	0.16	ND	430	0.00				1,036		79				
04/30/20	944	63				0.00				1,085		78				
Monthly Average ²	955	62	0.26	ND	446	0.12	0.076	0.034	49	1,078	77	70	100	10.7	0.032	0.027

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; ClO₂ = 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 = TestAmerica data.
 2: All average concentrations reported are monthly flow weighted averages.
 3: On 04/06, 04/13, 04/20, and 04/27, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 4: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 04/01 to 04/30 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.
 5: From 04/01 to 04/30, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics														
Date	1st Stage FBR 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 ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₃ (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO ₃ - N (mg/L)	ETI - Turbidity (NTU)
04/01/20	1,138	6.7	-375	1,012	6.8	-376	1,096		ND					35
04/02/20	1,136	6.5	-293	954	6.7	-381	1,106		ND					36
04/03/20	1,134	6.6	-295	970	6.7	-383	1,093		ND					31
04/04/20	1,142	6.6	-321	945	6.8	-388	1,094	ND						40
04/05/20	1,167	6.7	-376	975	6.9	-393	1,095		ND					22
04/06/20	1,136	6.6	-374	961	6.7	-392	1,104		0.10		0.0087 B	ND	ND	57
04/07/20	1,132	6.6	-377	954	6.7	-391	1,064							14
04/08/20	1,135	6.5	-373	960	6.7	-392	1,110							40
04/09/20	1,136	6.6	-360	1,010	6.7	-389	1,100							20
04/10/20	1,132	6.6	-379	983	6.7	-389	1,111							27
04/11/20	1,128	6.7	-377	988	6.8	-390	1,102	ND						37
04/12/20	1,042	6.6	-387	887	6.7	-390	1,086							35
04/13/20	1,145	6.6	-388	998	6.7	-391	1,100				0.0080	ND	ND	45
04/14/20	1,148	6.5	-387	946	6.7	-392	1,109							40
04/15/20	1,115	6.6	-397	1,027	6.8	-393	1,095							40
04/16/20	1,151	6.7	-373	902	6.7	-384	1,105							43
04/17/20	1,146	6.6	-329	979	6.7	-385	1,109							36
04/18/20	1,138	6.7	-355	1,035	6.7	-387	1,115	ND						41
04/19/20	1,138	6.7	-362	959	6.7	-387	1,111							30
04/20/20	1,149	6.6	-338	983	6.7	-392	1,112				0.0070	ND	ND	28
04/21/20	1,154	6.7	-321	1,022	6.7	-395	1,115							31
04/22/20	1,152	6.8	-322	1,009	6.7	-397	1,114							19
04/23/20	1,120	6.8	-281	972	6.8	-402	1,100							17
04/24/20	1,140	6.8	-273	1,034	6.6	-330	1,099							28
04/25/20	1,147	6.8	-274	1,063	6.7	-344	1,116	ND						28
04/26/20	1,130	6.7	-298	1,016	6.7	-367	1,103							29
04/27/20	1,111	6.7	-277	941	6.7	-380	1,094				0.0065	ND	ND	30
04/28/20	1,137	6.8	-283	1,019	6.7	-391	1,076							15
04/29/20	1,132	6.7	-286	823	6.7	-399	1,063							35
04/30/20	1,153	6.7	-301	1,045	6.8	-401	1,104							29
Monthly Average ²	1,135	6.7	-338	979	6.7	-385	1,100	ND	ND	0.10	0.0076	ND	ND	32

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).

B = Compound was found in the blank and sample.

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)
04/15/20	26.4	41.4
04/30/20	27.6	39.7

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
04/15/20	0	0	1,795	0
04/29/20	0	0	1,332	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: February 5, 2020.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics						
Date	Flow ¹ (gpm)	FBR Influent Concentration			Influent Function Load ³ (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO ₄ ² (mg/L)	NO ₃ as N (mg/L)	ClO ₃ (mg/L)		
May 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
Apr 2020	1,078	77	11	100	525	658

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.

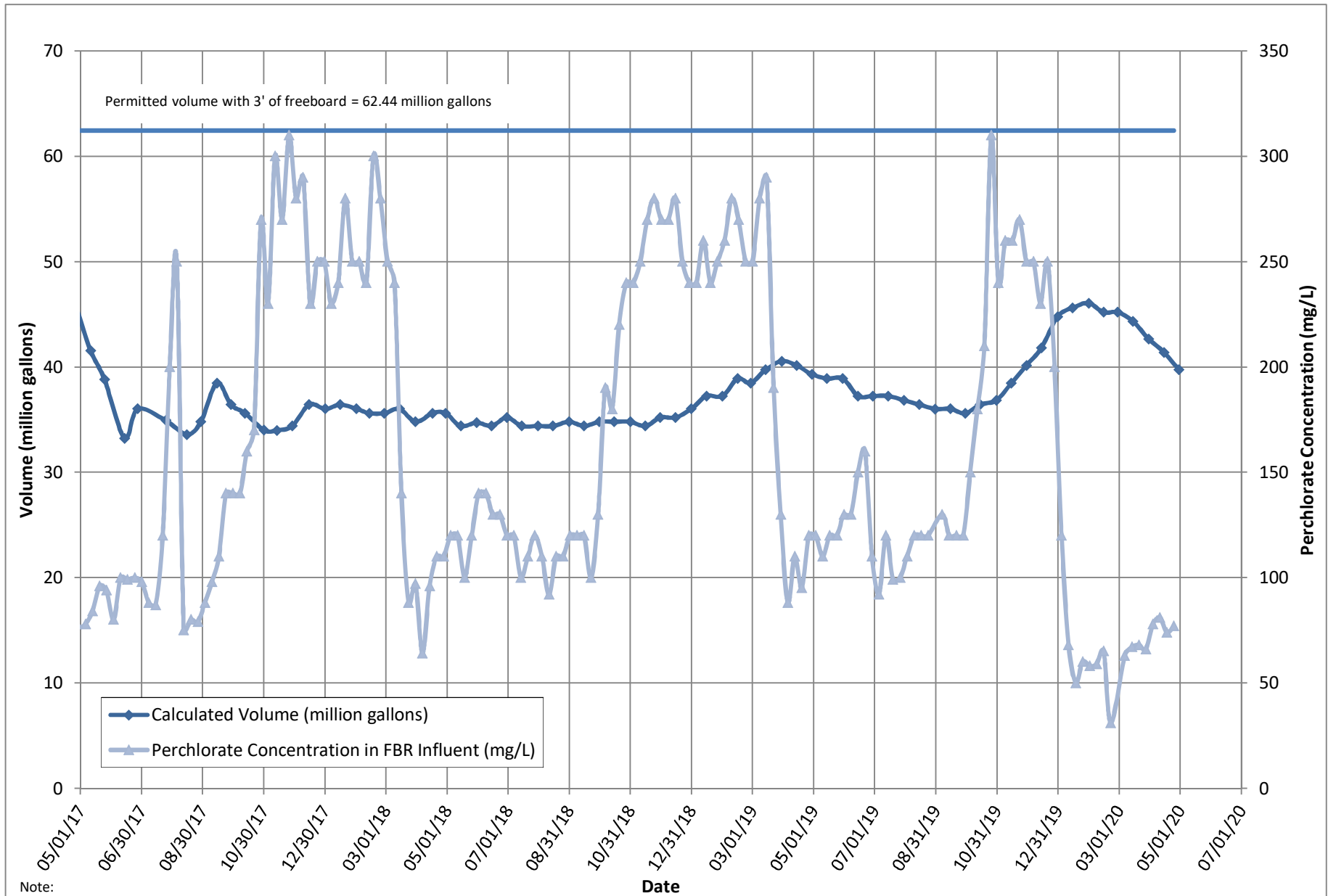
2: The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was decreased in March 2020 to prepare for the lower seasonal ammonia permit limits beginning April 1.

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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)
04/01/20	2.8	1710.92	1.4	1711.15	1.0	1715.04	1.2	1716.86	1.6	1716.66	1.8	1720.03	1.9	1715.82	0.74	1711.65
04/02/20	2.8	1710.90	1.4	1709.82	1.0	1713.65	1.2	1712.61	1.6	1714.37	1.4	1710.04	1.9	1713.39	0.00	1709.78
04/03/20	2.8	1712.48	1.4	1711.00	1.0	1714.59	1.2	1715.30	1.5	1716.66	1.7	1720.37	1.8	1715.80	0.73	1713.45
04/04/20	2.8	1708.32	1.4	1709.53	1.0	1713.23	1.2	1714.96	1.6	1715.65	1.7	1717.38	1.8	1716.33	0.55	1709.87
04/05/20	2.8	1708.71	1.4	1709.74	1.0	1712.97	1.2	1712.77	1.6	1714.56	1.7	1716.32	1.8	1715.31	0.59	1713.95
04/06/20	2.8	1710.75	1.4	1710.67	1.0	1713.29	1.2	1713.27	1.5	1715.73	1.6	1716.94	1.8	1715.43	0.58	1718.27
04/07/20	2.8	1711.98	1.4	1710.16	1.0	1711.66	1.2	1712.56	1.6	1714.97	1.6	1716.64	1.7	1715.09	0.66	1713.33
04/08/20	2.5	1712.34	1.5	1709.70	1.0	1711.84	1.2	1712.77	1.5	1714.84	1.5	1716.40	1.8	1715.14	0.61	1716.02
04/09/20	2.7	1712.77	1.4	1710.58	1.0	1713.07	1.2	1714.76	1.5	1715.89	1.5	1717.45	1.8	1716.20	0.68	1718.66
04/10/20	2.7	1715.11	1.5	1709.75	1.0	1713.43	1.1	1716.55	1.5	1716.33	1.7	1718.80	1.7	1716.40	0.63	1713.80
04/11/20	2.7	1715.02	1.4	1709.95	1.0	1714.34	1.2	1716.34	1.5	1716.57	1.7	1717.22	1.8	1716.28	0.70	1715.97
04/12/20	2.7	1714.35	1.4	1710.34	1.0	1714.97	1.2	1715.56	1.5	1715.45	1.7	1716.04	1.8	1715.31	0.69	1717.54
04/13/20	2.7	1712.92	1.4	1710.00	1.0	1712.01	1.2	1714.20	1.6	1713.75	1.7	1715.75	1.8	1715.12	0.45	1712.44
04/14/20	2.7	1712.97	1.4	1709.45	1.0	1712.69	1.2	1715.42	1.5	1715.43	1.6	1715.37	1.8	1715.22	0.44	1717.74
04/15/20	2.7	1713.15	1.4	1709.91	1.0	1712.72	1.2	1716.15	1.6	1715.30	1.7	1716.77	1.8	1715.29	0.54	1720.98
04/16/20	2.8	1713.07	1.4	1709.74	1.1	1712.37	1.2	1715.14	1.5	1714.59	1.6	1715.17	1.8	1713.66	0.50	1714.86
04/17/20	2.7	1712.86	1.4	1710.02	1.0	1711.51	1.1	1712.96	1.5	1714.35	1.6	1715.97	1.8	1714.05	0.63	1720.50
04/18/20	2.7	1712.07	1.4	1710.14	1.0	1711.89	1.2	1713.07	1.5	1714.22	1.6	1714.64	1.8	1715.09	0.61	1714.52
04/19/20	2.7	1712.31	1.4	1710.50	1.0	1712.12	1.2	1713.89	1.5	1714.02	1.6	1717.01	1.8	1714.29	0.61	1715.21
04/20/20	2.7	1711.95	1.4	1710.71	1.0	1712.21	1.2	1715.05	1.5	1714.82	1.6	1716.36	1.8	1713.89	0.59	1713.77
04/21/20	2.8	1712.47	1.4	1711.34	1.0	1712.57	1.1	1714.06	1.5	1714.70	1.6	1715.96	1.8	1714.76	0.67	1712.71
04/22/20	2.8	1712.13	1.4	1710.71	1.0	1711.64	1.1	1715.61	1.5	1714.61	1.6	1717.93	1.8	1714.39	0.72	1714.79
04/23/20	2.8	1711.24	1.4	1709.76	1.0	1710.94	1.1	1713.54	1.5	1714.82	1.6	1715.05	1.8	1714.40	0.49	1709.70
04/24/20	2.7	1711.52	1.4	1709.73	1.0	1712.27	1.1	1714.07	1.5	1715.24	1.5	1716.30	1.8	1714.81	0.68	1716.90
04/25/20	2.8	1712.08	1.4	1710.55	1.0	1711.40	1.1	1713.92	1.5	1714.97	1.5	1715.90	1.9	1714.60	0.50	1715.99
04/26/20	2.8	1711.88	1.4	1710.81	1.0	1711.64	1.1	1713.81	1.5	1715.85	1.5	1715.80	1.8	1714.53	0.51	1717.75
04/27/20	2.8	1711.51	1.4	1709.91	1.0	1712.91	1.1	1715.20	1.5	1714.92	1.6	1719.20	1.9	1714.13	0.65	1719.44
04/28/20	2.7	1711.24	1.4	1709.87	1.0	1712.43	1.1	1714.44	1.5	1714.79	1.6	1716.97	1.8	1713.66	0.65	1716.63
04/29/20	2.8	1711.47	1.4	1709.86	1.0	1713.56	1.1	1714.62	1.5	1715.42	1.6	1716.26	1.8	1714.58	0.62	1715.89
04/30/20	2.7	1711.62	1.4	1709.71	1.0	1712.77	1.1	1714.40	1.6	1714.74	1.6	1716.50	2.0	1714.49	0.69	1714.21
Monthly Average	2.7	1712.07	1.4	1710.17	1.0	1712.73	1.2	1714.46	1.5	1715.14	1.6	1716.55	1.8	1714.92	0.59	1715.21
Analytical ¹	Conc (mg/L)	Date	Conc ² (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	440	4/7/2020	1,300	4/7/2020	460	4/7/2020	110	4/7/2020	280	4/7/2020	560	4/7/2020	820	4/7/2020	990	4/7/2020
Hexavalent Chromium	0.047	4/7/2020	0.24	4/7/2020	0.39	4/7/2020	0.024	4/7/2020	0.026	4/7/2020	0.032	4/7/2020	0.045	4/7/2020	0.099	4/7/2020
Total Chromium	0.045	4/7/2020	0.26	4/7/2020	0.42	4/7/2020	0.046	4/7/2020	0.027	4/7/2020	0.033	4/7/2020	0.064	4/7/2020	0.11	4/7/2020

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 04/07 for well E2-1; average of both values is presented and used for calculations.
 3: On 04/03, E2-5 pump valve opened and cleared.

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

