

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)	
02/01/20	636	167	1538.76	93	1542.22	132	1543.14	110	1539.28	72	1548.00	103	1549.46	47	1550.60	20	1551.70	11	1525.01	
02/02/20	636	166	1538.80	94	1541.94	131	1543.23	110	1539.31	71	1548.07	103	1549.54	55	1550.68	20	1551.77	10	1524.96	
02/03/20 ^a	636	167	1538.80	93	1541.95	132	1543.24	110	1539.32	72	1548.10	103	1549.56	51	1550.71	20	1551.80	11	1524.85	
02/04/20	636	167	1538.87	94	1541.93	131	1543.29	110	1539.35	72	1548.16	103	1549.63	51	1550.78	20	1551.87	10	1524.97	
02/05/20	585	167	1538.94	94	1542.09	131	1543.37	110	1539.41	72	1548.24	103	1549.71	51	1550.87	19	1551.99	10	1525.06	
02/06/20	582	167	1538.99	94	1541.98	132	1544.05	110	1539.46	72	1548.30	103	1549.77	51	1550.92	20	1552.02	10	1525.09	
02/07/20	582	167	1539.12	94	1542.11	132	1544.11	110	1539.55	72	1548.36	103	1549.81	51	1550.96	20	1552.06	10	1524.62	
02/08/20	581	167	1539.12	95	1542.10	131	1544.15	110	1539.58	72	1548.40	103	1549.86	51	1551.01	20	1552.10	11	1525.17	
02/09/20	581	167	1539.12	94	1542.02	132	1544.15	110	1539.54	72	1548.39	103	1549.85	51	1550.99	20	1552.09	10	1525.16	
02/10/20 ^a	581	167	1539.12	95	1542.07	132	1544.15	110	1539.55	72	1548.39	103	1549.85	51	1550.99	20	1552.07	11	1525.20	
02/11/20	580	167	1539.13	95	1541.63	132	1544.16	111	1539.58	72	1548.41	103	1549.85	51	1551.00	20	1552.08	10	1525.18	
02/12/20	582	167	1539.11	95	1542.28	131	1544.14	110	1539.55	72	1548.39	104	1549.84	51	1550.97	20	1552.06	10	1525.17	
02/13/20	562	166	1539.15	94	1541.86	130	1544.15	110	1539.59	71	1548.40	102	1549.83	51	1550.95	20	1552.05	11	1524.97	
02/14/20	578	167	1539.10	96	1541.93	131	1544.12	110	1539.54	72	1548.37	103	1549.80	51	1550.91	20	1552.02	10	1525.16	
02/15/20	585	167	1539.06	95	1541.59	132	1544.10	110	1539.52	72	1548.35	103	1549.77	51	1550.88	19	1551.98	10	1525.13	
02/16/20	585	168	1539.04	96	1541.82	133	1544.08	111	1539.51	73	1548.34	104	1549.75	51	1550.86	20	1551.96	10	1525.16	
02/17/20 ^a	585	168	1538.99	96	1541.86	132	1544.05	111	1539.46	73	1548.31	104	1549.71	51	1550.82	20	1551.92	11	1525.23	
02/18/20	587	165	1538.95	95	1541.57	131	1544.01	109	1539.42	72	1548.27	102	1549.67	50	1550.78	19	1551.88	10	1525.20	
02/19/20	578	167	1538.91	95	1541.90	131	1543.97	110	1539.38	72	1548.24	103	1549.62	51	1550.73	20	1551.82	10	1525.13	
02/20/20	576	167	1538.95	95	1542.18	132	1543.95	110	1539.39	72	1548.22	103	1549.60	51	1550.72	20	1551.80	11	1524.69	
02/21/20	577	167	1538.91	95	1541.74	131	1543.94	110	1539.37	72	1548.20	103	1549.58	51	1550.70	20	1551.78	10	1525.01	
02/22/20	576	167	1538.87	95	1541.49	132	1543.93	110	1539.32	72	1548.20	103	1549.57	50	1550.69	20	1551.76	10	1525.14	
02/23/20	568	166	1538.84	94	1542.00	131	1543.89	110	1539.29	72	1548.17	103	1549.54	50	1550.65	20	1551.73	10	1525.11	
02/24/20 ^a	572	166	1538.80	95	1541.36	132	1543.85	110	1539.26	72	1548.14	103	1549.50	50	1550.62	20	1551.70	10	1525.04	
02/25/20	574	168	1538.77	96	1541.71	133	1543.82	112	1539.21	73	1548.10	104	1549.45	51	1550.57	20	1551.65	11	1524.90	
02/26/20 ^a	609	164	1538.82	94	1541.58	130	1543.81	108	1539.25	71	1548.10	101	1549.44	49	1550.59	20	1551.63	11	1524.57	
02/27/20	571	169	1538.76	96	1541.77	134	1543.77	112	1539.23	73	1548.10	105	1549.41	51	1550.52	20	1551.60	11	1524.81	
02/28/20	571	167	1538.72	95	1541.07	131	1543.76	110	1539.19	72	1548.05	103	1549.39	51	1550.50	20	1551.58	10	1524.97	
02/29/20	571	167	1538.68	95	1541.46	131	1543.75	110	1539.17	72	1548.04	103	1549.37	51	1550.48	19	1551.56	10	1525.07	
Monthly Average	587	167	1538.94	95	1541.83	132	1543.87	110	1539.40	72	1548.23	103	1549.65	51	1550.77	20	1551.86	11	1525.03	
Analytical	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc* (mg/L)		Date	
	Perchlorate	9.5	2/6/2020	11	2/6/2020	6.1	2/6/2020	5.1	2/6/2020	3.3	2/6/2020	0.57	2/6/2020	0.031	2/6/2020	0.016	2/27/2020	0.91	2/6/2020	
Hexavalent Chromium	0.0039	2/6/2020	0.00026	2/6/2020	ND	2/6/2020	0.0053	2/6/2020	ND	2/6/2020	ND	2/6/2020	ND	2/6/2020	ND	2/6/2020	ND	2/6/2020		
Total Chromium	0.0053	2/6/2020	ND	2/6/2020	ND	2/6/2020	0.0052	2/6/2020	ND	2/6/2020	0.013	2/6/2020	ND	2/6/2020	ND	2/6/2020	ND	2/6/2020		

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 02/03, 02/10, 02/17 and 02/24, 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: On 02/26, SWF offline briefly due to instrument error.
 4: Duplicates taken on 02/06 and 02/27 for well PC-121; 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 ⁴ (gpm)	Water Elevation (ft amsl)			
02/01/20	402	42	1584.73	147	1584.30	24	1584.88	4.2	1579.08	60	1583.49	20	1585.54	169	1584.22	1.5	1579.43			
02/02/20	402	42	1584.74	147	1584.31	24	1584.88	3.5	1579.08	59	1583.50	20	1585.56	169	1584.23	1.5	1578.97			
02/03/20 ²	402	42	1584.73	147	1584.31	24	1584.88	3.8	1579.08	60	1583.49	20	1585.50	169	1584.23	1.5	1579.68			
02/04/20	402	42	1584.74	148	1584.33	24	1584.89	3.5	1579.09	60	1583.52	20	1585.58	170	1584.25	1.5	1579.38			
02/05/20	402	42	1584.78	149	1584.36	24	1584.92	4.2	1579.12	60	1583.57	20	1585.58	170	1584.28	1.5	1578.88			
02/06/20	403	42	1584.79	148	1584.38	24	1584.94	4.2	1579.14	60	1583.57	20	1585.61	169	1584.30	1.5	1579.00			
02/07/20	401	42	1584.82	148	1584.40	24	1584.95	4.2	1579.19	60	1583.54	20	1585.61	169	1584.32	1.5	1579.19			
02/08/20	403	42	1584.85	149	1584.43	24	1584.97	3.5	1579.21	60	1583.55	21	1585.65	168	1584.34	1.5	1579.63			
02/09/20	403	42	1584.84	149	1584.43	24	1584.97	4.2	1579.21	60	1583.60	20	1585.66	169	1584.34	1.5	1579.56			
02/10/20 ²	403	42	1584.85	149	1584.44	24	1584.98	3.8	1579.21	60	1583.63	21	1585.65	168	1584.35	1.5	1579.36			
02/11/20	405	42	1584.87	150	1584.46	25	1584.99	4.2	1579.23	60	1583.67	20	1585.69	170	1584.37	1.5	1579.37			
02/12/20	404	42	1584.87	149	1584.47	24	1585.00	4.2	1579.24	60	1583.70	21	1585.72	170	1584.37	1.5	1578.67			
02/13/20	396	42	1584.90	146	1584.50	24	1585.02	4.2	1579.33	59	1583.74	20	1585.72	166	1584.40	1.5	1579.73			
02/14/20	406	42	1584.90	149	1584.49	24	1585.02	3.5	1579.32	60	1583.74	21	1585.75	169	1584.40	1.5	1579.06			
02/15/20	406	42	1584.90	149	1584.49	25	1585.02	4.2	1579.32	60	1583.74	21	1585.77	168	1584.40	1.5	1578.79			
02/16/20	405	42	1584.91	148	1584.50	24	1585.03	4.2	1579.33	59	1583.77	21	1585.75	169	1584.41	1.5	1579.34			
02/17/20 ²	406	42	1584.89	148	1584.48	25	1585.02	4.2	1579.32	60	1583.78	21	1585.77	168	1584.39	1.5	1579.25			
02/18/20	405	42	1584.88	149	1584.47	25	1585.02	4.1	1579.31	60	1583.78	21	1585.77	169	1584.39	1.5	1579.80			
02/19/20	402	42	1584.87	149	1584.47	24	1585.01	4.2	1579.33	60	1583.81	21	1585.77	167	1584.37	1.5	1579.77			
02/20/20	405	42	1584.85	149	1584.46	24	1585.00	3.5	1579.31	60	1583.81	21	1585.77	169	1584.36	1.5	1579.71			
02/21/20	404	42	1584.87	149	1584.47	24	1585.01	4.2	1579.33	60	1583.81	21	1585.75	167	1584.37	1.5	1578.57			
02/22/20	405	42	1584.84	149	1584.44	24	1584.99	4.2	1579.29	60	1583.81	22	1585.79	169	1584.35	1.5	1579.31			
02/23/20	405	42	1584.80	149	1584.41	25	1584.97	4.1	1579.25	60	1583.77	21	1585.75	168	1584.32	1.5	1579.24			
02/24/20 ²	405	42	1584.79	149	1584.39	25	1584.96	4.2	1579.23	60	1583.77	21	1585.77	169	1584.30	1.5	1579.59			
02/25/20	404	42	1584.76	149	1584.36	24	1584.94	4.2	1579.19	60	1583.74	20	1585.75	169	1584.28	1.5	1579.60			
02/26/20 ³	403	42	1584.77	149	1584.38	25	1584.94	4.1	1579.22	60	1583.78	21	1585.69	168	1584.29	1.5	1579.25			
02/27/20	405	42	1584.75	150	1584.35	24	1584.93	3.5	1579.19	60	1583.77	21	1585.69	169	1584.27	1.5	1579.58			
02/28/20	405	42	1584.74	149	1584.35	24	1584.93	4.2	1579.18	60	1583.74	21	1585.69	169	1584.26	1.5	1579.24			
02/29/20	405	42	1584.73	149	1584.34	24	1584.93	4.2	1579.18	60	1583.71	21	1585.69	169	1584.26	1.5	1579.36			
Monthly Average	404	42	1584.82	149	1584.41	24	1584.97	4.0	1579.22	60	1583.69	21	1585.69	169	1584.32	1.5	1579.32			
Analytical	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
Perchlorate	23	2/10/2020	9.3	2/10/2020	160	2/10/2020	110	2/10/2020	150	2/10/2020	85	2/10/2020	61	2/10/2020	51	2/10/2020				
Hexavalent Chromium	ND	2/10/2020	0.0034	2/10/2020	0.30	2/10/2020	0.16	2/10/2020	0.61	2/10/2020	0.53	2/10/2020	0.071	2/10/2020	0.055	2/10/2020				
Total Chromium	ND	2/10/2020	0.0047	2/10/2020	0.30	2/10/2020	0.15	2/10/2020	0.61	2/10/2020	0.53	2/10/2020	0.081	2/10/2020	0.071	2/10/2020				

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; ClO₂ = 10 ug/L; NO₂-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 02/03, 02/10, 02/17 and 02/24, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 02/26, SWF offline briefly due to instrument error.
 4: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 02/01-02/29 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.

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)
02/01/20	0.02	1726.80	0.97	1711.12	0.00	1720.73	0.00	1723.75	0.00	1739.07	0.86	1709.64	3.2	1716.79	1.2	1721.17	1.0	1721.02	4.6	1723.92
02/02/20	0.02	1726.89	0.98	1711.21	0.00	1720.75	0.00	1723.85	0.00	1739.10	0.87	1709.64	3.2	1716.26	1.2	1721.49	1.0	1721.00	4.6	1722.54
02/03/20 ²	0.02	1726.81	0.98	1711.19	0.00	1720.74	0.00	1723.74	0.00	1739.13	0.87	1709.55	3.2	1717.75	1.2	1722.45	1.0	1720.90	4.6	1722.95
02/04/20	0.04	1726.82	0.97	1711.09	0.00	1720.75	0.00	1723.72	0.00	1739.08	0.85	1709.56	3.3	1718.02	1.2	1722.18	1.0	1720.79	4.5	1723.10
02/05/20 ³	0.03	1727.02	0.93	1711.09	0.00	1720.74	0.00	1723.76	0.00	1739.90	0.81	1709.69	3.1	1717.04	1.1	1721.96	0.99	1720.98	4.3	1723.01
02/06/20	0.03	1727.20	0.98	1711.07	0.00	1720.70	0.00	1723.78	0.00	1738.97	0.80	1709.65	3.3	1718.57	1.1	1720.97	1.0	1721.00	4.6	1722.97
02/07/20	0.02	1727.22	0.96	1711.46	0.00	1720.69	0.00	1723.77	0.00	1739.14	0.79	1709.54	3.3	1717.51	1.1	1719.69	1.0	1721.03	4.6	1723.00
02/08/20 ³	0.05	1725.87	0.93	1711.25	0.00	1720.74	0.00	1723.84	0.00	1739.12	0.79	1709.64	3.1	1718.82	1.1	1720.95	0.96	1721.41	4.5	1722.78
02/09/20	0.04	1726.74	0.99	1710.98	0.00	1720.70	0.00	1723.77	0.00	1739.22	0.85	1709.53	3.2	1718.25	1.0	1720.46	0.94	1721.34	4.7	1723.04
02/10/20 ²	0.05	1726.77	0.96	1711.23	0.00	1720.69	0.00	1723.76	0.00	1739.18	0.82	1709.54	3.2	1718.08	1.0	1719.98	0.95	1721.48	4.6	1723.11
02/11/20	0.04	1726.79	0.97	1711.18	0.00	1720.69	0.00	1723.78	0.00	1739.20	0.84	1709.55	3.2	1717.85	1.0	1719.16	0.89	1721.68	4.6	1723.10
02/12/20	0.03	1726.73	0.97	1711.10	0.00	1720.70	0.00	1723.72	0.00	1739.21	0.84	1709.57	3.2	1716.67	1.0	1720.70	0.88	1721.65	4.6	1722.96
02/13/20	0.03	1726.73	0.97	1711.14	0.02	1720.69	0.03	1723.82	0.04	1739.13	0.84	1709.55	3.2	1717.49	1.0	1722.34	0.87	1721.73	4.6	1722.97
02/14/20	0.02	1726.72	0.98	1710.03	0.00	1720.68	0.00	1723.83	0.00	1739.14	0.84	1709.55	3.2	1718.26	0.99	1721.92	0.85	1721.76	4.6	1722.97
02/15/20	0.02	1726.71	1.0	1710.04	0.00	1720.67	0.00	1723.86	0.00	1739.15	0.84	1709.55	3.2	1718.76	0.97	1721.63	0.85	1721.82	4.7	1722.99
02/16/20	0.01	1726.80	1.0	1710.24	0.00	1720.67	0.00	1723.85	0.00	1738.94	0.84	1709.55	3.2	1718.01	0.97	1720.27	0.84	1721.84	4.7	1723.00
02/17/20 ²	0.02	1726.84	1.0	1710.39	0.00	1720.66	0.00	1723.86	0.00	1738.93	0.84	1709.55	3.2	1718.36	0.97	1720.17	0.85	1721.94	4.7	1723.00
02/18/20	0.01	1726.83	1.0	1710.52	0.00	1720.66	0.00	1723.84	0.00	1738.94	0.84	1709.56	3.2	1718.45	0.98	1723.48	0.81	1721.97	4.6	1723.01
02/19/20	0.02	1726.83	0.99	1710.59	0.00	1720.64	0.00	1723.82	0.00	1738.93	0.84	1709.56	3.2	1717.82	0.99	1724.17	0.80	1722.00	4.6	1722.99
02/20/20	0.02	1726.82	0.99	1710.59	0.00	1720.65	0.00	1723.83	0.00	1739.02	0.84	1709.55	3.2	1718.11	0.98	1721.27	0.79	1722.08	4.6	1723.02
02/21/20	0.01	1726.78	0.99	1708.79	0.00	1720.66	0.00	1723.86	0.00	1739.15	0.84	1709.56	3.2	1717.66	0.98	1722.15	0.77	1722.30	4.6	1723.05
02/22/20	0.00	1726.77	1.1	1708.01	0.00	1720.63	0.00	1723.86	0.00	1739.08	0.84	1709.57	3.1	1720.47	0.98	1721.91	0.73	1722.27	4.6	1723.04
02/23/20	0.01	1726.73	1.1	1708.16	0.00	1720.62	0.00	1723.84	0.00	1739.20	0.84	1709.56	3.2	1719.92	0.99	1721.13	0.73	1722.25	4.7	1723.04
02/24/20 ²	0.01	1726.74	1.1	1708.30	0.00	1720.61	0.00	1723.83	0.00	1739.20	0.84	1709.56	3.2	1720.18	0.99	1721.17	0.73	1722.27	4.7	1723.04
02/25/20	0.01	1726.71	1.1	1708.45	0.00	1720.60	0.00	1723.79	0.00	1739.21	0.83	1709.56	3.1	1720.03	0.98	1721.49	0.72	1722.32	4.6	1723.03
02/26/20	0.01	1726.74	1.1	1708.74	0.00	1720.61	0.00	1723.83	0.00	1739.25	0.84	1709.56	3.2	1719.86	0.98	1721.23	0.72	1722.38	4.6	1723.07
02/27/20	0.01	1726.75	1.1	1709.06	0.00	1720.62	0.00	1723.85	0.00	1739.32	0.84	1709.56	3.2	1720.29	0.99	1721.61	0.70	1722.45	4.6	1723.08
02/28/20	0.00	1726.77	1.0	1709.40	0.00	1720.63	0.00	1723.88	0.00	1739.29	0.84	1709.56	3.2	1718.85	0.99	1720.61	0.70	1722.48	4.6	1723.10
02/29/20	0.00	1726.81	1.1	1709.50	0.00	1720.63	0.00	1723.93	0.00	1739.34	0.84	1709.57	3.2	1718.21	0.98	1722.52	0.70	1722.50	4.6	1723.03
Monthly Average	0.02	1726.78	1.0	1710.20	0.00	1720.67	0.00	1723.81	0.00	1739.16	0.84	1709.57	3.2	1718.36	1.0	1721.39	0.86	1721.75	4.6	1723.00
Analytical	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	420	2/12/2020	32	2/12/2020	120	2/12/2020	210	2/13/2020	130	2/13/2020	260	2/12/2020	410	2/12/2020	580	2/12/2020	350	2/12/2020	420	2/12/2020
Hexavalent Chromium	0.019	2/12/2020	0.054	2/12/2020	0.0018	2/12/2020	2.1	2/13/2020	1.3	2/13/2020	0.16	2/12/2020	2.8	2/12/2020	4.5	2/12/2020	4.8	2/12/2020	10	2/12/2020
Total Chromium	0.80	2/12/2020	0.059	2/12/2020	0.024	2/12/2020	2.3	2/13/2020	1.3	2/13/2020	0.18	2/12/2020	2.9	2/12/2020	4.7	2/12/2020	5.4	2/12/2020	11	2/12/2020

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 02/03, 02/10, 02/17 and 02/24, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 02/05 and 02/08, IWF offline briefly for maintenance.

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 (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)
02/01/20	0.14	1721.85	1.6	1720.29	4.9	1722.77	7.0	1712.09	3.9	1709.10	0.96	1719.43	1.6	1723.52	2.6	1722.46	0.24	1722.53	1.7	1722.51
02/02/20	0.14	1721.93	1.6	1720.32	4.9	1722.80	7.0	1712.10	3.9	1710.30	1.0	1720.48	1.6	1723.56	2.6	1722.50	0.24	1722.56	1.7	1722.54
02/03/20 ²	0.14	1721.93	1.6	1720.34	4.9	1722.78	7.0	1712.09	3.9	1709.10	1.0	1720.66	1.6	1723.52	2.6	1722.47	0.24	1722.56	1.7	1722.56
02/04/20	0.13	1721.96	1.6	1720.33	4.9	1722.78	7.1	1712.09	3.9	1709.10	0.97	1720.21	1.6	1723.52	2.4	1722.51	0.26	1722.51	1.6	1722.52
02/05/20 ³	0.12	1722.00	1.5	1720.44	4.7	1722.82	6.8	1712.11	3.8	1709.10	0.70	1720.02	1.5	1723.62	2.3	1722.61	0.33	1722.52	1.5	1722.56
02/06/20	0.13	1722.02	1.6	1720.45	4.9	1722.82	7.1	1712.12	3.9	1709.10	0.84	1719.18	1.6	1723.63	2.4	1722.58	0.40	1722.52	1.6	1722.57
02/07/20	0.13	1722.03	1.6	1720.46	4.9	1722.82	7.1	1712.11	3.9	1709.11	0.85	1719.99	1.6	1723.64	2.5	1722.58	0.40	1722.53	1.6	1722.59
02/08/20 ³	0.13	1722.08	1.5	1720.54	4.7	1722.88	6.9	1712.17	3.8	1709.11	0.85	1718.64	1.5	1723.71	2.4	1722.61	0.39	1722.58	1.5	1722.65
02/09/20	0.13	1722.05	1.6	1720.52	4.9	1722.84	7.2	1712.12	3.9	1709.11	0.97	1718.88	1.6	1723.66	2.6	1722.55	0.38	1722.57	1.5	1722.64
02/10/20 ²	0.13	1722.04	1.6	1720.52	4.8	1722.84	7.1	1712.12	3.9	1709.10	0.91	1720.55	1.6	1723.66	2.5	1722.56	0.39	1722.58	1.5	1722.65
02/11/20	0.14	1722.07	1.6	1720.56	5.0	1722.86	7.1	1712.13	3.9	1709.10	0.96	1721.22	1.6	1723.70	2.5	1722.61	0.36	1722.61	1.5	1722.68
02/12/20	0.14	1722.07	1.6	1720.58	5.0	1722.87	7.1	1712.13	3.9	1709.11	0.95	1718.92	1.6	1723.63	2.6	1722.58	0.30	1722.64	1.5	1722.70
02/13/20	0.14	1722.11	1.6	1720.56	4.9	1722.87	7.2	1712.13	3.9	1709.16	0.96	1720.90	1.6	1723.65	2.6	1722.60	0.27	1722.67	1.4	1722.74
02/14/20	0.14	1722.12	1.6	1720.59	4.9	1722.88	7.2	1712.13	3.9	1709.16	0.96	1720.32	1.5	1723.66	2.6	1722.60	0.27	1722.68	1.4	1722.76
02/15/20	0.14	1722.14	1.6	1720.61	4.9	1722.89	7.2	1712.13	3.9	1709.15	0.95	1720.20	1.5	1723.67	2.6	1722.61	0.27	1722.70	1.4	1722.77
02/16/20	0.14	1722.16	1.6	1720.64	4.9	1722.91	7.2	1712.15	3.9	1709.15	0.94	1719.22	1.5	1723.69	2.6	1722.63	0.27	1722.72	1.4	1722.79
02/17/20 ²	0.14	1722.16	1.6	1720.65	4.9	1722.92	7.2	1712.14	4.0	1709.15	0.95	1718.98	1.5	1723.69	2.6	1722.62	0.27	1722.73	1.4	1722.80
02/18/20	0.14	1722.18	1.6	1720.68	5.0	1722.92	7.2	1712.13	3.9	1709.14	0.97	1721.18	1.5	1723.70	2.6	1722.63	0.26	1722.74	1.4	1722.81
02/19/20	0.14	1722.16	1.6	1720.67	5.0	1722.91	7.2	1712.13	3.9	1709.13	1.00	1720.40	1.5	1723.68	2.6	1722.61	0.26	1722.73	1.4	1722.80
02/20/20	0.14	1722.19	1.6	1720.70	4.9	1722.93	7.2	1712.14	3.9	1709.13	1.00	1720.29	1.5	1723.71	2.6	1722.65	0.26	1722.75	1.4	1722.82
02/21/20	0.14	1722.21	1.6	1720.74	4.9	1722.96	7.3	1712.15	4.0	1709.13	0.99	1720.25	1.5	1723.74	2.6	1722.68	0.26	1722.78	1.4	1722.85
02/22/20	0.14	1722.23	1.6	1720.75	4.9	1722.96	7.3	1712.15	4.0	1709.14	0.97	1719.55	1.5	1723.73	2.6	1722.67	0.26	1722.79	1.4	1722.86
02/23/20	0.14	1722.21	1.6	1720.76	4.9	1722.96	7.2	1712.15	4.0	1709.13	0.98	1719.78	1.5	1723.74	2.6	1722.67	0.26	1722.79	1.4	1722.86
02/24/20 ²	0.14	1722.22	1.6	1720.77	4.9	1722.96	7.2	1712.14	4.0	1709.13	0.98	1719.48	1.5	1723.73	2.6	1722.67	0.26	1722.79	1.4	1722.87
02/25/20	0.14	1722.22	1.6	1720.77	5.0	1722.95	7.2	1712.13	3.9	1709.12	1.0	1719.25	1.5	1723.73	2.6	1722.66	0.26	1722.79	1.4	1722.87
02/26/20	0.14	1722.26	1.6	1720.81	5.0	1722.98	7.2	1712.15	4.0	1709.13	1.1	1718.91	1.5	1723.76	2.6	1722.70	0.26	1722.82	1.4	1722.89
02/27/20	0.14	1722.28	1.6	1720.83	4.9	1722.99	7.3	1712.16	4.0	1709.13	1.0	1719.44	1.5	1723.77	2.6	1722.71	0.27	1722.86	1.4	1722.91
02/28/20	0.14	1722.30	1.6	1720.85	4.9	1723.01	7.3	1712.17	4.0	1709.13	1.0	1718.77	1.5	1723.79	2.6	1722.73	0.27	1722.88	1.4	1722.93
02/29/20	0.14	1722.33	1.6	1720.89	4.9	1723.04	7.3	1712.16	4.0	1709.12	1.0	1719.50	1.5	1723.82	2.6	1722.74	0.27	1722.90	1.4	1722.96
Monthly Average	0.14	1722.12	1.6	1720.61	4.9	1722.89	7.2	1712.13	3.9	1709.16	0.96	1719.81	1.6	1723.68	2.6	1722.61	0.29	1722.68	1.5	1722.74
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	2/13/2020	710	2/13/2020	630	2/13/2020	230	2/13/2020	230	2/13/2020	210	2/12/2020	370	2/12/2020	380	2/12/2020	560	2/13/2020	680	2/13/2020
Hexavalent Chromium	14	2/13/2020	14	2/13/2020	8.5	2/13/2020	3.9	2/13/2020	2.2	2/13/2020	0.82	2/12/2020	4.7	2/12/2020	5.2	2/12/2020	14	2/13/2020	14	2/13/2020
Total Chromium	14	2/13/2020	14	2/13/2020	9.0	2/13/2020	4.0	2/13/2020	2.4	2/13/2020	0.85	2/12/2020	5.0	2/12/2020	5.9	2/12/2020	14	2/13/2020	14	2/13/2020

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 02/03, 02/10, 02/17 and 02/24, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 02/05 and 02/08, IWF offline briefly for maintenance.

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 (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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation ⁶ (ft amsl)
02/01/20	0.32	1721.44	0.29	1720.30	5.6	1717.25	0.56	1715.51	0.55	1717.20	4.4	1721.42	0.88	1715.83	3.3	1719.96	1.2	1715.66	8.4	1713.89
02/02/20	0.33	1721.47	0.33	1718.54	5.6	1717.40	0.56	1715.53	0.55	1717.26	4.5	1721.47	0.88	1715.31	3.3	1719.98	1.2	1715.37	8.4	1713.89
02/03/20 ²	0.33	1721.54	0.31	1720.75	5.6	1718.00	0.56	1715.55	0.55	1717.44	4.4	1721.46	0.88	1717.84	3.3	1719.96	1.2	1717.06	8.4	1713.88
02/04/20	0.26	1721.67	0.22	1720.37	5.5	1718.31	0.55	1715.68	0.53	1717.37	4.4	1721.44	1.1	1716.67	3.3	1719.98	1.2	1716.49	8.4	1713.88
02/05/20 ³	0.23	1721.81	0.59	1719.57	5.3	1719.70	0.52	1715.95	0.51	1717.44	4.2	1721.51	1.2	1710.21	3.1	1720.10	1.1	1716.13	8.1	1714.13
02/06/20	0.23	1721.83	0.97	1717.99	5.6	1718.86	0.54	1716.09	0.54	1717.48	4.3	1721.51	1.2	1700.01	3.3	1720.09	1.2	1717.96	8.4	1714.03
02/07/20	0.23	1721.86	0.94	1717.28	5.6	1718.86	0.54	1716.09	0.54	1717.45	4.3	1721.52	1.2	1698.92	3.3	1720.09	1.1	1714.95	8.4	1714.02
02/08/20 ⁴	0.21	1722.02	0.73	1717.93	5.4	1720.16	0.52	1716.48	0.51	1717.58	4.2	1721.62	1.1	1699.00	3.2	1720.17	1.1	1715.10	8.1	1714.36
02/09/20	0.20	1721.89	0.62	1717.74	5.5	1719.81	0.53	1716.28	0.53	1717.52	4.5	1721.56	1.1	1699.48	3.3	1720.11	1.2	1716.09	8.4	1714.07
02/10/20 ⁵	0.21	1721.57	0.67	1719.39	5.4	1719.91	0.53	1716.30	0.52	1717.51	4.3	1721.56	1.1	1716.72	3.2	1720.10	1.1	1716.42	8.3	1714.05
02/11/20	0.33	1721.66	0.65	1719.60	5.4	1720.09	0.54	1716.29	0.54	1717.54	4.4	1721.61	1.0	1717.35	3.3	1720.15	1.1	1717.72	8.5	1714.13
02/12/20	0.31	1721.68	0.65	1717.99	5.5	1719.88	0.54	1716.26	0.53	1717.68	4.3	1721.62	0.99	1716.42	3.3	1720.13	1.1	1715.00	8.5	1714.12
02/13/20	0.30	1721.70	0.66	1716.05	5.5	1719.92	0.55	1716.19	0.53	1717.75	4.3	1721.65	0.96	1719.42	3.3	1720.14	1.1	1719.10	8.4	1714.14
02/14/20	0.30	1721.72	0.64	1719.48	5.4	1720.12	0.56	1716.17	0.53	1717.73	4.3	1721.67	0.98	1718.73	3.3	1720.14	1.1	1717.82	8.4	1714.14
02/15/20	0.30	1721.72	0.64	1719.33	5.4	1720.13	0.56	1715.91	0.53	1717.69	4.4	1721.69	0.97	1718.07	3.3	1720.15	1.1	1714.46	8.4	1714.17
02/16/20	0.31	1721.74	0.64	1717.73	5.4	1720.17	0.56	1715.93	0.51	1718.22	4.5	1721.72	0.95	1718.48	3.3	1720.17	1.1	1715.92	8.4	1714.22
02/17/20 ⁶	0.31	1721.58	0.64	1718.29	5.4	1720.18	0.56	1716.03	0.52	1717.95	4.4	1721.73	0.96	1719.41	3.3	1720.17	1.1	1715.52	8.4	1714.23
02/18/20	0.36	1721.59	0.66	1719.15	5.5	1720.19	0.56	1716.17	0.52	1718.03	4.4	1721.75	0.98	1719.33	3.3	1720.18	1.1	1717.32	8.5	1714.23
02/19/20	0.35	1721.60	0.64	1719.23	5.5	1720.23	0.57	1715.88	0.51	1718.06	4.4	1721.74	0.98	1718.22	3.3	1720.16	1.1	1717.00	8.6	1714.21
02/20/20	0.35	1721.65	0.60	1719.16	5.4	1720.39	0.57	1716.02	0.48	1718.58	4.3	1721.77	0.97	1717.80	3.3	1720.19	1.1	1715.89	8.4	1714.26
02/21/20	0.34	1721.68	0.60	1718.98	5.4	1720.51	0.58	1716.06	0.48	1718.44	4.3	1721.81	0.95	1717.41	3.3	1720.22	1.1	1715.65	8.4	1714.36
02/22/20	0.34	1721.68	0.60	1718.71	5.4	1720.49	0.27	1714.74	0.48	1718.54	4.4	1721.82	0.94	1718.29	3.3	1720.20	1.1	1715.57	8.5	1714.33
02/23/20	0.34	1721.68	0.61	1719.65	5.4	1720.50	0.70	1713.61	0.49	1718.43	4.5	1721.81	0.94	1718.48	3.3	1720.20	1.1	1716.12	8.4	1714.28
02/24/20 ²	0.34	1721.69	0.60	1719.28	5.4	1720.55	0.49	1715.81	0.49	1718.41	4.4	1721.83	0.94	1717.81	3.3	1720.20	1.1	1716.45	8.5	1714.32
02/25/20	0.34	1721.66	0.63	1718.73	5.4	1720.60	0.59	1716.25	0.48	1718.54	4.4	1721.82	0.94	1717.88	3.3	1720.21	1.1	1716.01	8.5	1714.33
02/26/20	0.35	1721.70	0.64	1719.79	5.5	1720.65	0.59	1716.23	0.48	1718.57	4.4	1721.86	0.94	1718.41	3.3	1720.24	1.1	1716.35	8.6	1714.43
02/27/20	0.35	1721.72	0.64	1718.33	5.5	1720.68	0.58	1716.48	0.48	1718.62	4.3	1721.88	0.94	1718.91	3.3	1720.25	1.1	1715.06	8.6	1714.45
02/28/20	0.35	1721.72	0.63	1718.23	5.5	1720.72	0.58	1716.14	0.48	1718.68	4.3	1721.91	0.94	1716.72	3.3	1720.28	1.1	1715.87	8.6	1714.50
02/29/20	0.36	1721.74	0.64	1719.32	5.4	1720.75	0.60	1716.18	0.48	1718.70	4.4	1721.96	0.95	1717.53	3.3	1720.31	1.1	1716.93	8.6	1714.57
Monthly Average	0.31	1721.69	0.61	1718.86	5.5	1719.83	0.55	1715.92	0.51	1717.95	4.4	1721.68	1.00	1714.99	3.3	1720.15	1.1	1716.24	8.4	1714.19
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	650	2/13/2020	700	2/12/2020	240	2/12/2020	910	2/13/2020	1,000	2/13/2020	670	2/13/2020	610	2/13/2020	580	2/12/2020	430	2/12/2020	300	2/13/2020
Hexavalent Chromium	14	2/13/2020	0.43	2/12/2020	1.2	2/12/2020	16	2/13/2020	17	2/13/2020	12	2/13/2020	14	2/13/2020	6.5	2/12/2020	0.65	2/12/2020	7.2	2/13/2020
Total Chromium	15	2/13/2020	0.44	2/12/2020	1.2	2/12/2020	16	2/13/2020	16	2/13/2020	13	2/13/2020	14	2/13/2020	7.2	2/12/2020	0.67	2/12/2020	7.7	2/13/2020

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: On 02/03, 02/10, 02/17 and 02/24, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 02/05 and 02/08, IWF offline briefly for maintenance.
 4: On 02/22, I-T offline intermittently due to instrument error and maintenance.
 5: Duplicates taken on 02/12 for well I-Y; average of both values is presented and used for calculations.
 6: A "c" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent ¹				GW-11 Influent ¹				FBR Plant Influent ¹						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow 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 ₂ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
02/01/20	956	78				0.00				1,045	58	57				
02/02/20	956	76				0.00				1,061		56				
02/03/20 ³	956	75				0.00				1,042		57	120	10	0.011	0.011
02/04/20	958	77				0.00				1,050		55				
02/05/20	958	80				153				1,069		56				
02/06/20	958	83	0.22	ND	440	0.00				1,076		54				
02/07/20	959	83				0.00				1,063		50				
02/08/20	960	81				0.00				1,100	59	52				
02/09/20	962	83				0.00				1,061		54				
02/10/20 ³	961	83				0.00				1,056		55		12	0.057	0.0067
02/11/20	962	85				3.7	0.12	0.0037	57	1,094		56				
02/12/20	963	72	1.3	ND	460	0.00				1,068		53				
02/13/20	951	62				0.00				1,045		52				
02/14/20	963	61				0.00				1,074		55				
02/15/20	963	62				0.00				1,073	65	58				
02/16/20	962	62				0.00				1,052		55				
02/17/20 ³	963	62				0.00				1,025		56		11	0.0085	0.0086
02/18/20	962	62				0.00				1,031		53				
02/19/20	960	62	1.6	ND	430	0.00				1,035		56				
02/20/20	963	62				0.00				1,072		56				
02/21/20	962	62				0.00				1,068		53				
02/22/20	963	61				0.00				1,048	31	54				
02/23/20	961	62				0.00				1,057		55				
02/24/20 ³	962	61				0.00				1,042		57				
02/25/20	962	62				0.00				1,069		58		9.0	0.029	0.0061
02/26/20	958	62	0.082	ND	410	0.00				1,078		55				
02/27/20	962	62				0.00				1,079		56				
02/28/20	960	62				0.00				1,046		58				
02/29/20	960	62				0.00				1,073	60	55				
Monthly Average ³	960	69	0.76	ND	436	5.4	0.120	0.004	57	1,060	54	55	120	10.4	0.027	0.008

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; NO₂-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 02/03, 02/10, 02/17 and 02/24, 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 02/01 to 02/29 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.

5: From 02/01 to 02/29, 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 ¹							
	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)
02/01/20	1,139	6.5	-316	999	6.7	-381	1,074	ND	ND					17
02/02/20	1,095	6.6	-311	744	6.8	-385	1,093		ND					15
02/03/20	1,117	6.3	-266	1,062	6.6	-387	1,086		ND	ND		9.3		43
02/04/20	1,124	6.3	-291	973	6.6	-386	1,084		ND		0.012	ND		40
02/05/20	1,144	6.4	-333	1,085	6.7	-390	933		ND					37
02/06/20	1,126	6.4	-314	931	6.7	-382	1,102		ND					18
02/07/20	1,149	6.5	-322	1,007	6.8	-382	1,090		ND					26
02/08/20	1,127	6.5	-341	992	6.9	-385	1,113	ND						31
02/09/20	1,108	6.4	-305	1,043	6.7	-388	1,093		ND					18
02/10/20	1,135	6.5	-361	1,055	6.7	-388	1,079		ND		0.0091	ND	ND	11
02/11/20	1,120	6.4	-383	895	6.7	-391	1,113		ND					12
02/12/20	1,122	6.4	-318	1,023	6.7	-391	1,103		ND					20
02/13/20	1,141	6.5	-356	1,015	6.7	-392	1,085		ND					20
02/14/20	1,144	6.5	-372	916	6.7	-391	1,124		ND					17
02/15/20	1,144	6.5	-348	1,038	6.8	-390	1,125	ND						23
02/16/20	1,172	6.7	-394	1,035	6.8	-391	1,096		ND					25
02/17/20	1,095	6.4	-262	969	6.7	-384	1,081		ND		0.0058	ND	ND	21
02/18/20	1,096	6.6	-293	971	6.7	-386	1,085		ND					14
02/19/20	1,112	6.6	-283	1,021	6.7	-386	1,076		ND					19
02/20/20	1,143	6.7	-330	1,009	6.7	-386	1,104		ND					34
02/21/20	1,125	6.7	-358	940	6.8	-386	1,118		ND					23
02/22/20	1,136	6.7	-386	976	6.8	-388	1,102	ND						17
02/23/20	1,133	6.7	-366	990	6.9	-389	1,108		ND					28
02/24/20	1,120	6.7	-371	937	6.7	-390	1,103		ND		0.0037 J	ND	ND	33
02/25/20	1,139	6.7	-348	997	6.7	-390	1,098		ND					33
02/26/20	1,162	6.6	-326	959	6.7	-390	1,120		ND					29
02/27/20	1,125	6.6	-333	970	6.7	-387	1,107		ND					20
02/28/20	1,155	6.7	-361	952	6.7	-389	1,099		ND					10
02/29/20	1,142	6.7	-390	977	6.8	-389	1,124	ND	ND					2
Monthly Average ³	1,131	6.5	-336	982	6.7	-388	1,094	ND	ND	ND	0.0072	ND	1.87	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 (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)
02/15/20	23.5	45.2
02/29/20	22.9	45.2

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
02/12/20	0	0	991	0
02/26/20	0	0	1,149	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)		
Mar 2019	1,035	233	10	140	932	962
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

Notes:

Concentrations and flow are presented as monthly average.

1: Flow used in loading calculation is average monthly FBR effluent flow to be consistent with historical loading calculations.

2: Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased in March 2019 to prepare for the lower seasonal ammonia permit limits beginning April 1. The AP-5 wash water feed rate was increased on October 1, 2018 in accordance with the higher seasonal ammonia permit limits beginning October 1.

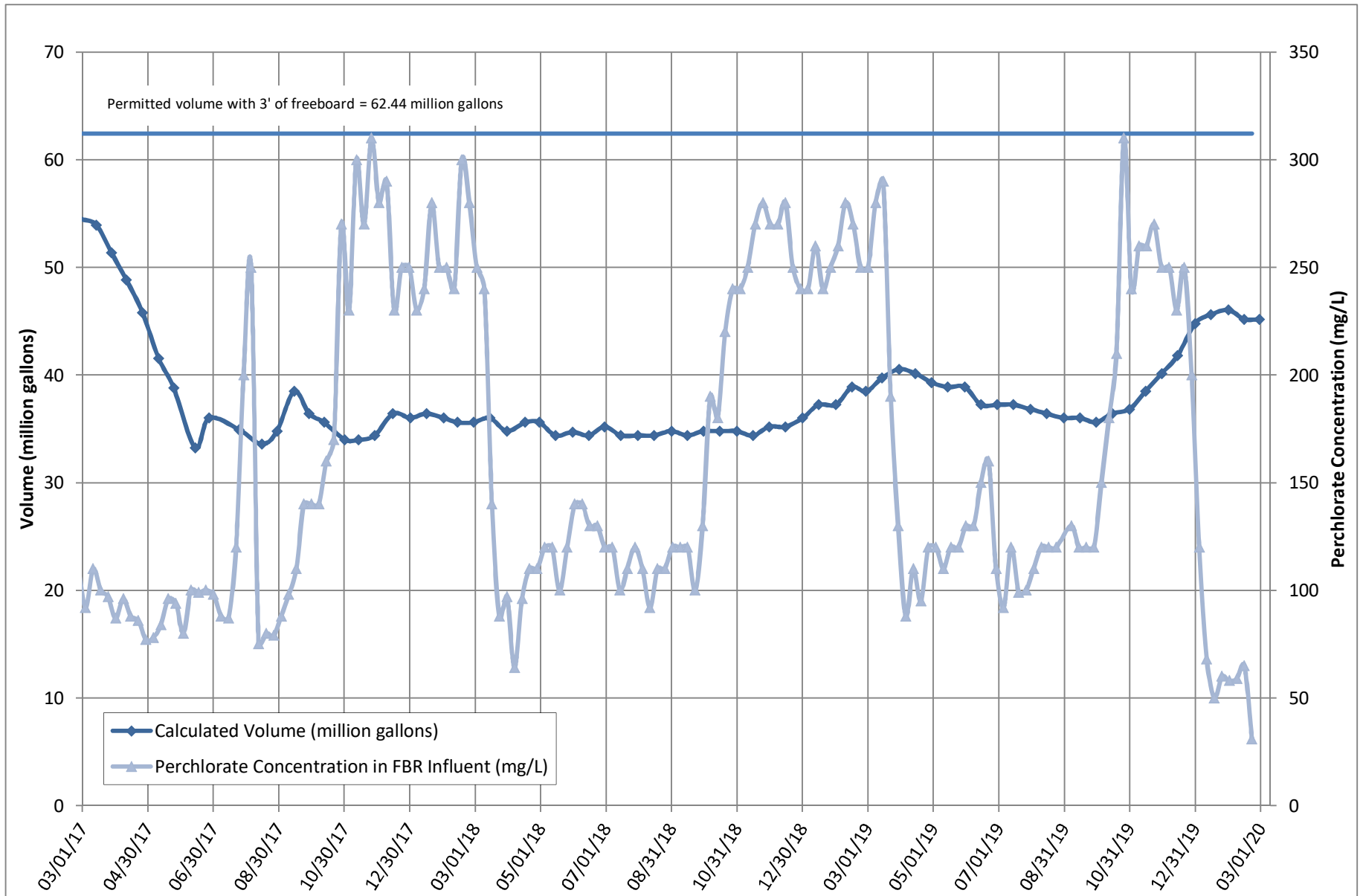
3: FBR loading calculated as $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$.

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 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)
02/01/20	2.1	1715.33	1.3	1712.96	0.84	1710.32	1.1	1714.82	1.5	1715.22	1.4	1716.95	1.5	1716.61	0.63	1708.82
02/02/20	2.3	1714.07	1.3	1712.06	0.85	1711.74	1.1	1715.13	1.5	1715.77	1.4	1717.08	1.5	1716.54	0.60	1710.32
02/03/20	2.3	1717.58	1.2	1713.05	0.93	1717.53	1.1	1716.14	1.4	1715.90	1.3	1717.96	1.5	1716.85	0.56	1709.62
02/04/20	2.4	1715.16	1.2	1711.86	0.93	1713.74	1.1	1715.07	1.4	1716.53	1.3	1718.93	1.5	1714.66	0.56	1709.94
02/05/20	2.1	1717.22	1.3	1713.16	0.87	1714.17	1.1	1716.52	1.3	1716.22	0.72	1719.05	1.4	1716.36	0.58	1713.41
02/06/20	2.3	1713.89	1.3	1710.21	1.0	1715.21	1.1	1715.68	1.4	1715.31	0.76	1718.32	1.5	1715.66	0.04	1709.70
02/07/20	2.7	1717.19	1.2	1711.23	0.97	1708.52	1.0	1715.98	1.3	1716.14	2.0	1722.95	1.6	1716.26	0.68	1723.97
02/08/20	2.4	1712.50	1.2	1713.46	0.91	1712.76	1.2	1717.68	1.4	1717.01	1.6	1713.35	1.9	1714.76	0.53	1708.49
02/09/20	2.5	1710.78	1.3	1714.29	0.97	1712.17	1.3	1716.81	1.4	1715.73	1.6	1713.65	0.85	1714.00	0.56	1710.04
02/10/20	2.7	1715.41	1.3	1711.81	0.97	1713.50	1.2	1708.31	1.7	1708.22	1.6	1716.35	1.5	1718.59	0.51	1713.00
02/11/20	2.7	1714.53	1.3	1712.40	0.99	1713.02	1.2	1711.92	1.6	1712.09	1.5	1715.79	1.5	1716.42	0.53	1713.31
02/12/20	2.6	1714.66	1.3	1709.57	0.97	1711.30	1.2	1712.10	1.6	1711.60	1.5	1715.25	1.5	1715.49	0.52	1713.46
02/13/20	2.4	1714.41	1.2	1713.21	0.88	1714.00	1.2	1712.65	1.6	1713.28	1.6	1717.33	2.1	1716.89	0.52	1716.46
02/14/20	2.6	1713.11	1.3	1713.21	0.95	1713.27	1.2	1712.36	1.6	1714.25	1.6	1715.84	0.96	1716.41	0.52	1715.92
02/15/20	2.6	1714.15	1.3	1713.71	0.95	1710.97	1.2	1712.95	1.6	1713.00	1.6	1716.80	1.5	1717.66	0.53	1716.72
02/16/20	2.6	1714.43	1.3	1713.21	0.96	1711.87	1.2	1712.82	1.6	1713.07	1.6	1715.73	1.5	1716.46	0.55	1716.57
02/17/20	2.5	1714.18	1.2	1713.41	0.92	1712.07	1.2	1713.22	1.6	1712.77	1.6	1714.84	1.4	1717.00	0.53	1717.37
02/18/20	2.6	1713.13	1.2	1712.94	0.61	1711.41	1.2	1713.02	1.6	1712.80	1.6	1715.30	1.4	1716.76	0.54	1716.87
02/19/20	2.7	1713.20	1.3	1713.96	1.3	1714.25	1.1	1712.73	1.6	1712.11	1.6	1716.12	1.4	1716.40	0.52	1716.49
02/20/20	2.5	1714.36	1.3	1712.57	0.92	1714.04	1.1	1713.06	1.5	1710.15	1.6	1715.60	1.4	1717.33	0.51	1713.67
02/21/20	2.5	1713.83	1.2	1713.96	0.94	1713.19	1.1	1712.87	1.5	1712.46	1.6	1716.05	1.4	1716.77	0.64	1715.60
02/22/20	2.7	1714.39	1.2	1711.85	0.93	1713.17	1.1	1713.10	1.5	1713.32	1.6	1715.33	1.4	1716.32	0.62	1715.80
02/23/20	2.4	1714.18	1.2	1712.91	0.94	1712.42	1.1	1713.32	1.5	1713.77	1.6	1715.50	1.4	1715.86	0.62	1716.02
02/24/20	2.6	1713.68	1.2	1713.21	0.93	1712.77	1.1	1713.60	1.5	1713.98	1.6	1715.77	1.5	1715.47	0.60	1716.27
02/25/20	2.6	1712.26	1.2	1713.54	0.93	1713.06	1.1	1715.62	1.5	1715.37	1.6	1716.88	1.5	1717.01	0.60	1717.17
02/26/20	2.6	1712.46	1.2	1713.25	0.95	1713.48	1.1	1715.17	1.4	1715.67	1.6	1716.23	1.4	1716.33	0.58	1717.95
02/27/20	2.6	1713.06	1.2	1711.05	0.93	1710.15	1.1	1723.28	1.4	1721.38	1.6	1720.91	1.4	1721.69	0.64	1721.01
02/28/20	2.6	1712.80	1.2	1712.43	0.93	1713.19	1.1	1713.85	1.4	1715.24	1.6	1717.03	1.4	1717.42	0.62	1716.40
02/29/20	2.7	1712.87	1.2	1711.54	0.94	1713.42	1.1	1715.41	1.4	1715.27	1.6	1716.80	1.4	1716.37	0.61	1712.80
Monthly Average	2.5	1714.10	1.2	1712.62	0.94	1712.79	1.1	1714.31	1.5	1714.27	1.5	1716.68	1.5	1716.57	0.55	1714.59
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	460	2/11/2020	1,200	2/11/2020	510	2/11/2020	120	2/11/2020	280	2/11/2020	600	2/11/2020	800	2/11/2020	990	2/11/2020
Hexavalent Chromium	0.045	2/11/2020	0.26	2/11/2020	0.39	2/11/2020	0.025	2/11/2020	0.027	2/11/2020	0.030	2/11/2020	0.041	2/11/2020	0.10	2/11/2020
Total Chromium	0.046	2/11/2020	0.25	2/11/2020	0.38	2/11/2020	0.031	2/11/2020	0.026	2/11/2020	0.039	2/11/2020	0.046	2/11/2020	0.11	2/11/2020

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: On 02/10, E2-2 totalizer replaced.
 3: On 02/07, E2-5 offline briefly for maintenance.
 4: Duplicates taken on 02/11 for well E2-5; 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

