

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 ³ (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 ³ (ft amsl)
05/01/20	672	166	1537.70	93	1541.31	131	1542.88	111	1538.19	73	1547.41	103	1548.47	51	1549.59	19	1550.61	9.8	1522.03
05/02/20	673	166	1537.68	93	1541.75	131	1542.85	110	1538.15	72	1547.38	103	1548.44	51	1549.56	19	1550.58	9.7	1521.95
05/03/20	672	165	1537.65	92	1541.62	130	1542.85	109	1538.12	72	1547.38	103	1548.42	50	1549.54	19	1550.56	9.0	1521.86
05/04/20 ²	671	165	1537.62	93	1541.77	131	1542.82	110	1538.09	72	1547.36	103	1548.39	50	1549.52	19	1550.53	9.7	1521.60
05/05/20	670	165	1537.59	92	1541.39	131	1542.78	110	1538.09	72	1547.33	103	1548.38	51	1549.50	19	1550.52	9.7	1522.69
05/06/20	670	166	1537.56	92	1541.65	131	1541.59	110	1538.07	72	1547.31	103	1548.36	50	1549.48	19	1550.50	9.0	1525.48
05/07/20	671	165	1537.54	92	1541.57	131	1541.57	110	1538.04	72	1547.30	103	1548.33	51	1549.45	19	1550.47	9.7	1525.54
05/08/20	670	165	1537.51	92	1541.69	131	1541.56	110	1538.02	72	1547.28	102	1548.31	51	1549.44	19	1550.49	9.7	1525.67
05/09/20	671	165	1537.49	92	1541.77	131	1541.54	110	1538.00	72	1547.27	103	1548.30	50	1549.42	19	1550.44	9.0	1525.64
05/10/20	671	165	1537.45	92	1541.59	131	1541.52	110	1537.94	72	1547.25	103	1548.28	51	1549.40	19	1550.42	9.7	1525.72
05/11/20 ²	671	165	1537.42	92	1541.81	131	1541.50	110	1537.92	72	1547.24	103	1548.26	50	1549.38	19	1550.39	9.5	1525.76
05/12/20	670	166	1537.38	92	1541.66	131	1541.47	110	1537.88	72	1547.20	103	1548.24	51	1549.35	20	1550.37	9.1	1525.79
05/13/20	668	165	1537.36	92	1541.58	131	1541.46	110	1537.87	72	1547.18	103	1548.22	50	1549.34	19	1550.35	9.7	1525.83
05/14/20	669	165	1537.34	92	1541.68	131	1541.44	110	1537.84	72	1547.17	102	1548.20	51	1549.32	19	1550.33	9.0	1525.78
05/15/20	616	165	1537.33	91	1541.74	130	1541.47	110	1537.84	72	1547.18	103	1548.18	50	1549.30	19	1550.32	9.7	1525.86
05/16/20	627	165	1537.29	92	1541.77	131	1541.45	110	1537.84	72	1547.16	103	1548.16	51	1549.28	19	1550.30	9.0	1525.85
05/17/20	566	165	1537.80	91	1541.90	131	1541.42	110	1537.82	72	1547.18	102	1548.26	50	1549.26	19	1550.27	9.0	1525.92
05/18/20 ²	641	165	1537.22	92	1541.73	131	1541.40	110	1537.74	72	1547.12	103	1548.12	50	1549.24	19	1550.25	9.3	1525.92
05/19/20	523	165	1537.21	91	1541.92	131	1541.38	110	1537.76	72	1547.09	103	1548.10	50	1549.22	19	1550.23	9.0	1525.73
05/20/20	551	165	1537.18	91	1541.50	131	1541.37	110	1537.73	72	1547.10	102	1548.08	51	1549.20	19	1550.22	9.0	1525.80
05/21/20	554	164	1537.16	91	1541.53	130	1541.36	109	1537.70	71	1547.08	102	1548.07	50	1549.19	19	1550.21	9.7	1525.91
05/22/20	599	166	1537.14	91	1541.76	132	1541.34	110	1537.70	72	1547.07	103	1548.06	51	1549.17	20	1550.19	9.1	1526.00
05/23/20	577	165	1537.11	91	1541.78	131	1541.31	110	1537.67	72	1547.06	102	1548.03	50	1549.15	19	1550.17	9.0	1526.01
05/24/20	572	165	1537.08	91	1541.79	130	1541.30	109	1537.66	71	1547.02	103	1548.02	51	1549.13	19	1550.15	9.0	1526.01
05/25/20	579	165	1537.06	91	1541.66	131	1541.29	110	1537.64	72	1547.01	102	1548.00	50	1549.12	19	1550.13	9.7	1526.06
05/26/20 ²	565	165	1537.13	91	1541.75	131	1541.29	110	1537.71	72	1547.01	103	1547.99	50	1549.11	19	1550.12	9.2	1526.05
05/27/20	583	165	1537.10	91	1541.66	131	1541.26	110	1537.66	72	1546.98	102	1547.97	50	1549.09	19	1550.10	9.0	1525.93
05/28/20	585	166	1537.05	91	1541.72	131	1541.24	110	1537.64	72	1546.96	103	1547.94	51	1549.06	19	1550.07	9.7	1526.01
05/29/20	567	165	1537.01	91	1541.49	131	1541.22	109	1537.61	72	1546.96	102	1547.92	50	1549.05	19	1550.06	9.0	1526.15
05/30/20	588	165	1536.96	90	1541.71	131	1541.20	109	1537.57	72	1546.93	103	1547.90	51	1549.02	19	1550.03	9.0	1526.03
05/31/20	595	165	1536.92	91	1541.71	130	1541.18	110	1537.56	71	1546.91	103	1547.88	50	1549.00	19	1550.01	9.0	1526.09
Monthly Average	622	165	1537.32	92	1541.68	131	1541.62	110	1537.84	72	1547.16	103	1548.17	50	1549.29	19	1550.30	9.3	1525.25
Analytical ¹		Conc ² (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		11	5/6/2020	15	5/6/2020	10	5/6/2020	5.2	5/6/2020	3.6	5/6/2020	0.57	5/6/2020	0.045	5/6/2020	0.046	5/6/2020	0.77	5/6/2020
Hexavalent Chromium		0.0061	5/6/2020	0.0061	5/6/2020	ND	5/6/2020	0.0053	5/6/2020	ND	5/6/2020	ND	5/6/2020	ND	5/6/2020	ND	5/6/2020	ND	5/6/2020
Total Chromium		0.0057	5/6/2020	ND	5/6/2020	ND	5/6/2020	0.0053	5/6/2020	ND	5/6/2020	ND	5/6/2020	ND	5/6/2020	ND	5/6/2020	ND	5/6/2020

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 05/04, 05/11, 05/18, and 05/26, 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 05/06, PC-115R and PC-133 transducers moved in well.
 4: Duplicates taken on 05/06 for well PC-118; 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 ² (gpm)	Water Elevation (ft amsl)
05/01/20	402	42	1584.24	152	1583.82	23	1585.22	4.2	1578.82	60	1583.13	20	1585.25	170	1583.77	1.5	1579.07
05/02/20	402	42	1584.23	151	1583.80	23	1585.21	3.5	1578.82	60	1583.12	19	1585.23	169	1583.75	1.5	1579.28
05/03/20	401	42	1584.22	151	1583.79	23	1585.21	4.2	1578.82	59	1583.13	19	1585.23	168	1583.75	1.5	1579.04
05/04/20 ²	400	42	1584.21	151	1583.77	23	1585.19	3.9	1578.82	60	1583.12	19	1585.20	169	1583.73	1.5	1579.14
05/05/20	399	42	1584.20	151	1583.76	23	1585.19	4.2	1578.82	60	1583.11	19	1585.20	169	1583.72	1.5	1579.16
05/06/20	398	42	1584.19	150	1583.75	23	1585.18	3.5	1578.82	60	1583.09	19	1585.17	169	1583.71	1.5	1578.61
05/07/20	399	42	1584.17	150	1583.73	23	1585.17	4.2	1578.82	60	1583.09	19	1585.14	168	1583.70	1.5	1579.11
05/08/20	400	42	1584.16	150	1583.73	22	1585.17	3.5	1578.82	60	1583.05	19	1585.17	169	1583.69	1.5	1579.16
05/09/20	400	42	1584.16	150	1583.72	23	1585.16	4.2	1578.83	60	1583.06	19	1585.14	169	1583.68	1.5	1578.96
05/10/20	400	42	1584.15	151	1583.71	23	1585.15	3.5	1578.82	59	1583.06	19	1585.14	168	1583.68	1.5	1578.70
05/11/20 ²	399	42	1584.14	150	1583.70	23	1585.15	3.8	1578.84	60	1583.02	19	1585.17	169	1583.66	1.5	1579.14
05/12/20	397	42	1584.13	150	1583.69	22	1585.14	4.2	1578.85	59	1583.02	20	1585.14	169	1583.66	1.5	1579.34
05/13/20	397	42	1584.12	150	1583.68	22	1585.14	3.5	1578.85	60	1583.01	19	1585.14	168	1583.65	1.5	1578.86
05/14/20	397	42	1584.11	151	1583.67	22	1585.13	3.5	1578.84	59	1582.98	19	1585.12	169	1583.64	1.5	1578.82
05/15/20	399	42	1584.11	150	1583.66	23	1585.12	4.2	1578.85	60	1582.98	19	1585.09	168	1583.63	1.5	1578.66
05/16/20	399	42	1584.10	151	1583.64	22	1585.12	3.5	1578.85	59	1583.01	19	1585.09	169	1583.62	1.5	1578.65
05/17/20	400	42	1584.09	151	1583.63	22	1585.11	3.5	1578.84	59	1582.95	19	1585.09	168	1583.61	1.5	1578.79
05/18/20 ²	399	42	1584.08	151	1583.62	22	1585.10	3.7	1578.85	59	1582.98	19	1585.09	168	1583.60	1.5	1578.75
05/19/20	397	42	1584.06	151	1583.60	22	1585.09	4.2	1578.85	59	1582.95	19	1585.09	168	1583.58	1.5	1578.63
05/20/20	397	42	1584.07	151	1583.60	22	1585.08	3.5	1578.85	60	1582.95	19	1585.09	169	1583.58	1.5	1578.70
05/21/20	379	42	1584.05	151	1583.59	23	1585.08	3.5	1578.84	59	1582.92	19	1585.06	169	1583.57	1.5	1578.72
05/22/20	416	42	1584.05	151	1583.57	22	1585.07	3.5	1578.85	59	1582.92	19	1585.06	169	1583.56	1.5	1578.64
05/23/20	399	42	1584.03	151	1583.57	22	1585.06	4.2	1578.85	60	1582.90	19	1585.03	169	1583.55	1.5	1578.77
05/24/20	398	42	1584.02	152	1583.56	22	1585.05	3.5	1578.85	58	1582.87	19	1585.02	168	1583.54	1.5	1578.67
05/25/20	395	42	1584.01	152	1583.55	22	1585.05	3.5	1578.85	59	1582.90	19	1585.02	168	1583.53	1.5	1578.73
05/26/20 ²	397	42	1584.01	151	1583.54	22	1585.05	3.7	1578.85	59	1582.85	19	1585.03	168	1583.53	1.5	1578.79
05/27/20	396	42	1584.00	150	1583.53	22	1585.04	4.2	1578.86	59	1582.85	19	1585.02	168	1583.52	1.5	1578.66
05/28/20 ³	392	40	1584.99	144	1583.56	21	1585.05	3.5	1578.86	57	1582.85	18	1585.02	160	1583.54	1.5	1578.73
05/29/20 ³	391	41	1584.05	146	1583.59	22	1585.07	3.5	1578.86	57	1582.82	19	1585.02	159	1583.57	1.5	1578.75
05/30/20	396	42	1583.99	152	1583.52	22	1585.02	3.5	1578.85	59	1582.80	19	1584.96	169	1583.50	1.5	1578.73
05/31/20	394	42	1583.97	153	1583.50	22	1585.00	3.5	1578.86	60	1582.84	19	1584.99	168	1583.48	1.5	1578.66
Monthly Average	398	42	1584.13	150	1583.65	22	1585.12	3.7	1578.84	59	1582.98	19	1585.10	168	1583.62	1.5	1578.85
Analytical ¹		Conc (mg/L)	Date	Conc ^c (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		26	5/11/2020	9.40	5/11/2020	170	5/11/2020	120	5/11/2020	160	5/11/2020	89	5/11/2020	65	5/11/2020	54	5/11/2020
Hexavalent Chromium		ND	5/11/2020	0.0042	5/11/2020	0.32	5/11/2020	0.18	5/11/2020	0.62	5/11/2020	0.54	5/11/2020	0.075	5/11/2020	0.055	5/11/2020
Total Chromium		ND	5/11/2020	0.0055	5/11/2020	0.32	5/11/2020	0.21	5/11/2020	0.67	5/11/2020	0.57	5/11/2020	0.077	5/11/2020	0.055	5/11/2020

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 05/04, 05/11, 05/18, and 05/26, 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 05/28-05/29 AWF offline intermittently due to electrical issue at LS #3.
 4: Duplicates taken on 05/11 for well ART-2/2A; average of both values is presented and used for calculations.
 5: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 05/01-05/31 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 ² (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)
05/01/20	0.08	1724.89	0.53	1716.86	0.00	1720.82	0.00	1724.07	0.00	1739.68	0.81	1709.58	2.9	1720.84	0.89	1724.66	0.76	1723.14	4.6	1724.01
05/02/20	0.08	1724.92	0.52	1716.91	0.00	1720.82	0.00	1724.07	0.00	1739.67	0.84	1709.60	2.9	1720.85	0.89	1724.67	0.76	1723.14	4.6	1724.03
05/03/20	0.09	1723.94	0.53	1716.85	0.00	1720.82	0.00	1724.08	0.00	1739.67	0.84	1709.71	2.9	1720.86	0.88	1724.68	0.76	1723.15	4.6	1724.03
05/04/20 ²	0.09	1723.39	0.53	1716.54	0.00	1720.81	0.00	1724.05	0.00	1739.68	0.84	1709.62	2.9	1720.81	0.88	1724.67	0.77	1723.16	4.6	1724.05
05/05/20	0.16	1723.26	0.53	1716.97	0.00	1720.84	0.00	1724.07	0.00	1739.78	0.73	1709.57	3.0	1720.85	0.89	1724.69	0.76	1723.17	4.6	1724.03
05/06/20	0.15	1723.08	0.50	1717.08	0.00	1720.86	0.00	1724.09	0.00	1739.58	0.86	1709.65	2.9	1720.87	0.88	1724.70	0.76	1723.20	4.6	1724.01
05/07/20	0.14	1723.08	0.56	1715.31	0.00	1720.84	0.00	1724.08	0.00	1739.62	0.86	1709.58	2.9	1720.87	0.88	1724.70	0.76	1723.22	4.6	1724.03
05/08/20	0.14	1722.91	0.65	1715.65	0.00	1720.85	0.00	1724.10	0.00	1739.63	0.80	1709.62	3.0	1720.89	0.88	1724.72	0.76	1723.22	4.6	1723.99
05/09/20	0.15	1722.07	0.64	1715.73	0.00	1720.86	0.00	1724.11	0.00	1739.63	0.76	1709.70	2.9	1720.91	0.88	1724.74	0.75	1723.23	4.5	1724.01
05/10/20	0.16	1721.93	0.62	1715.87	0.00	1720.86	0.00	1724.11	0.00	1739.61	0.87	1709.68	2.9	1720.92	0.88	1724.74	0.76	1723.22	4.5	1724.01
05/11/20 ²	0.14	1722.91	0.58	1715.91	0.00	1720.86	0.00	1724.12	0.00	1739.60	0.82	1709.69	2.9	1720.93	0.88	1724.74	0.76	1723.20	4.5	1724.01
05/12/20	0.14	1722.95	0.61	1715.93	0.00	1720.86	0.00	1724.12	0.00	1739.64	0.88	1709.60	3.0	1720.94	0.89	1724.76	0.78	1723.25	4.6	1724.03
05/13/20	0.14	1722.85	0.61	1715.98	0.00	1720.86	0.01	1724.11	0.03	1739.66	0.83	1709.70	3.0	1720.93	0.89	1724.75	0.77	1723.25	4.6	1724.06
05/14/20	0.14	1722.91	0.60	1715.35	0.00	< 1710.00	0.00	1724.14	0.00	1739.72	0.70	1709.66	3.0	1720.94	0.86	1724.78	0.76	1723.31	4.6	1724.06
05/15/20	0.13	1723.08	0.65	1715.37	0.00	1720.84	0.00	1724.15	0.00	1739.73	0.75	1709.58	2.9	1720.96	0.82	1724.80	0.75	1723.34	4.6	1724.00
05/16/20	0.13	1723.06	0.65	1715.51	0.00	1720.88	0.00	1724.16	0.00	1739.78	0.83	1709.63	2.9	1720.98	0.82	1724.81	0.73	1723.36	4.5	1724.01
05/17/20	0.13	1723.17	0.64	1715.45	0.00	1720.89	0.00	1724.15	0.00	1739.81	0.89	1709.63	2.9	1720.99	0.82	1724.82	0.76	1723.32	4.5	1724.01
05/18/20 ²	0.14	1723.19	0.62	1715.40	0.00	1720.88	0.00	1724.15	0.00	1739.84	0.82	1709.69	2.9	1721.00	0.85	1724.82	0.76	1723.33	4.5	1724.02
05/19/20	0.14	1723.20	0.63	1715.74	0.00	1720.88	0.00	1724.12	0.00	1739.84	0.75	1709.70	3.0	1720.98	1.1	1724.67	0.77	1723.25	4.6	1723.97
05/20/20	0.14	1723.21	0.62	1715.77	0.00	1720.88	0.00	1724.12	0.00	1739.86	0.85	1709.67	3.0	1720.96	1.5	1724.60	0.76	1723.17	4.6	1723.92
05/21/20	0.13	1723.40	0.62	1715.82	0.00	1720.90	0.00	1724.16	0.00	1739.88	0.72	1709.60	3.0	1720.95	1.5	1724.59	0.75	1723.16	4.6	1723.92
05/22/20	0.13	1723.46	0.61	1716.02	0.00	1720.90	0.00	1724.17	0.00	1739.97	0.69	1709.60	2.9	1720.93	1.5	1724.57	0.74	1723.16	4.6	1723.91
05/23/20	0.13	1723.42	0.61	1715.97	0.00	1720.89	0.00	1724.13	0.00	1739.91	0.81	1709.64	2.9	1720.92	1.5	1724.52	0.76	1723.12	4.5	1723.87
05/24/20	0.13	1723.25	0.60	1716.10	0.00	1720.90	0.00	1724.14	0.00	1739.91	0.84	1709.88	2.9	1720.91	1.5	1724.51	0.76	1723.07	4.5	1723.85
05/25/20	0.13	1723.27	0.58	1716.06	0.00	1720.90	0.00	1724.15	0.00	1739.95	0.72	1709.66	2.9	1720.92	1.4	1724.51	0.76	1723.09	4.5	1723.85
05/26/20 ²	0.13	1723.21	0.61	1716.04	0.00	1720.90	0.00	1724.17	0.00	1739.94	0.77	1709.65	2.9	1720.93	1.4	1724.51	0.76	1723.09	4.5	1723.86
05/27/20	0.13	1723.12	0.59	1716.08	0.00	1720.89	0.00	1724.18	0.00	1740.00	0.83	1709.61	2.8	1720.93	1.4	1724.50	0.75	1723.05	4.5	1723.85
05/28/20	0.13	1723.12	0.59	1716.10	0.00	1720.89	0.00	1724.17	0.00	1739.99	0.88	1709.64	2.8	1720.93	1.4	1724.49	0.75	1723.03	4.6	1723.83
05/29/20	0.13	1723.05	0.58	1716.16	0.00	1720.89	0.00	1724.18	0.00	1739.96	0.88	1709.75	2.8	1720.93	1.5	1724.50	0.74	1723.04	4.6	1723.84
05/30/20	0.13	1723.14	0.58	1716.21	0.00	1720.89	0.00	1724.18	0.00	1740.00	0.86	1709.72	2.8	1720.91	1.5	1724.49	0.75	1723.02	4.6	1723.83
05/31/20	0.12	1723.27	0.58	1716.28	0.00	1720.88	0.00	1724.17	0.00	1739.99	0.86	1709.71	2.9	1720.89	1.4	1724.47	0.76	1723.00	4.5	1723.81
Monthly Average	0.13	1723.22	0.59	1716.03	0.00	1720.52	0.00	1724.13	0.00	1739.79	0.81	1709.66	2.9	1720.92	1.1	1724.65	0.76	1723.18	4.5	1723.96
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	390	5/14/2020	37	5/14/2020	150	5/14/2020	190	5/13/2020	140	5/13/2020	310	5/14/2020	360	5/14/2020	600	5/14/2020	310	5/14/2020	400	5/14/2020
Hexavalent Chromium	0.40	5/14/2020	0.057	F1 5/14/2020	0.036	5/14/2020	2.0	5/13/2020	1.5	5/13/2020	0.24	5/14/2020	3.0	5/14/2020	4.5	5/14/2020	4.9	5/14/2020	9.5	5/14/2020
Total Chromium	0.66	5/14/2020	0.061	5/14/2020	0.041	5/14/2020	2.0	5/13/2020	1.4	5/13/2020	0.25	5/14/2020	2.9	5/14/2020	4.4	5/14/2020	5.0	5/14/2020	10	5/14/2020

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 F1 = MS and/or MSD Recovery is outside acceptance limits.
 ^ = Instrument related QC is outside acceptance limits.
 1: Analytical results are reported from TestAmerica.
 2: On 05/04, 05/11, 05/18, and 05/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 5/14, I-AB turned on briefly for maintenance.
 4: On 05/19, I-D, I-M, and I-N 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-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 ⁴ (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
05/01/20	0.14	1723.49	1.4	1721.78	4.9	1723.50	7.7	1712.22	4.0	1709.26	1.2	1722.07	1.1	1724.75	2.2	1723.61	0.31	1723.46	1.9	1723.41
05/02/20	0.14	1723.50	1.5	1721.78	4.9	1723.50	7.7	1712.23	4.0	1709.27	1.2	1722.10	1.2	1724.76	2.2	1723.62	0.33	1723.46	1.9	1723.42
05/03/20	0.14	1723.50	1.5	1721.80	4.9	1723.50	7.6	1712.22	4.0	1709.30	1.2	1722.13	1.2	1724.76	2.2	1723.62	0.33	1723.47	1.9	1723.42
05/04/20 ²	0.14	1723.50	1.5	1721.79	4.9	1723.49	7.7	1712.22	4.0	1709.33	1.2	1722.07	1.2	1724.75	2.2	1723.62	0.30	1723.46	1.9	1723.41
05/05/20	0.14	1723.51	1.5	1721.81	5.0	1723.51	7.7	1712.22	4.0	1709.32	1.2	1722.12	1.2	1724.77	2.2	1723.64	0.34	1723.49	1.9	1722.79
05/06/20	0.14	1723.52	1.5	1721.82	4.9	1723.52	7.7	1712.22	4.0	1709.30	1.2	1722.14	1.1	1724.79	2.2	1723.65	0.33	1723.50	1.9	1722.17
05/07/20	0.14	1723.52	1.5	1721.83	4.9	1723.52	7.7	1712.22	4.0	1709.28	1.2	1722.17	1.1	1724.79	2.2	1723.65	0.31	1723.50	1.8	1722.75
05/08/20	0.14	1723.53	1.5	1721.85	4.9	1723.53	7.7	1712.22	4.0	1709.25	1.2	1722.19	1.1	1724.82	2.2	1723.67	0.31	1723.52	1.8	1721.49
05/09/20	0.14	1723.55	1.3	1721.87	4.9	1723.54	7.7	1712.23	4.0	1709.26	1.2	1722.20	1.1	1724.83	2.2	1723.68	0.29	1723.50	1.8	1719.77
05/10/20	0.14	1723.55	1.4	1721.88	4.9	1723.54	7.6	1712.23	4.0	1709.24	1.2	1722.19	1.1	1724.84	2.1	1723.68	0.27	1723.55	1.8	1720.88
05/11/20 ²	0.14	1723.52	1.4	1721.89	4.9	1723.55	7.7	1712.23	4.0	1709.24	1.2	1722.19	1.1	1724.84	2.2	1723.69	0.31	1723.56	1.8	1723.00
05/12/20	0.15	1723.53	1.6	1721.91	5.0	1723.56	7.7	1712.23	4.0	1709.22	1.2	1722.26	1.1	1724.86	2.2	1723.71	0.32	1723.55	1.7	1722.24
05/13/20	0.15	1723.70	1.6	1721.90	5.0	1723.56	7.7	1712.22	4.0	1709.23	1.2	1722.26	1.1	1724.86	2.2	1723.70	0.32	1723.56	1.8	1723.17
05/14/20	0.15	1723.71	1.6	1721.91	5.0	1723.57	7.7	1712.23	4.0	1709.21	1.1	1722.36	1.0	1725.01	2.1	1723.74	0.29	1723.58	1.8	1723.39
05/15/20	0.15	1723.72	1.5	1721.93	4.9	1723.58	7.7	1712.23	4.0	1709.19	1.1	1722.36	0.86	1725.02	2.1	1723.75	0.28	1723.59	1.8	1723.18
05/16/20	0.15	1723.73	1.4	1721.94	4.9	1723.59	7.7	1712.23	4.0	1709.16	1.1	1722.37	0.88	1725.04	2.1	1723.77	0.28	1723.60	1.8	1723.58
05/17/20	0.15	1723.73	1.4	1721.95	4.9	1723.59	7.6	1712.23	4.0	1709.14	1.1	1722.44	0.88	1725.04	2.1	1723.76	0.28	1723.60	1.8	1722.95
05/18/20 ²	0.15	1723.74	1.5	1721.95	4.9	1723.60	7.7	1712.23	4.0	1709.27	1.1	1722.44	1.0	1725.05	2.1	1723.77	0.30	1723.61	1.8	1723.11
05/19/20	0.15	1723.73	1.6	1721.95	5.0	1723.59	7.7	1712.22	4.0	1709.15	1.1	1722.45	1.2	1724.46	2.5	1723.36	0.29	1723.60	1.7	1722.26
05/20/20	0.15	1723.76	1.6	1721.97	5.0	1723.60	7.7	1712.22	4.0	1709.15	1.1	1722.47	1.8	1724.42	3.2	1723.31	0.28	1723.62	1.7	1722.52
05/21/20	0.15	1723.77	1.5	1721.99	5.0	1723.62	7.7	1712.23	4.0	1709.15	1.1	1722.47	1.8	1724.39	3.1	1723.32	0.28	1723.64	1.7	1723.52
05/22/20	0.15	1723.77	1.5	1722.00	5.0	1723.63	7.7	1712.23	4.0	1709.15	1.1	1722.49	1.8	1724.33	3.0	1723.35	0.28	1723.65	1.7	1723.70
05/23/20	0.15	1723.76	1.5	1722.00	4.9	1723.62	7.7	1712.22	4.0	1709.17	1.0	1722.48	1.8	1724.29	3.0	1723.31	0.28	1723.64	1.7	1723.75
05/24/20	0.15	1723.77	1.5	1722.01	4.9	1723.63	7.6	1712.24	4.0	1709.20	1.0	1722.48	1.8	1724.28	3.0	1723.29	0.28	1723.66	1.7	1723.61
05/25/20	0.15	1723.78	1.5	1722.03	4.9	1723.64	7.6	1712.24	4.0	1709.20	0.89	1722.65	1.8	1724.29	3.0	1723.30	0.28	1723.67	1.6	1723.62
05/26/20 ²	0.15	1723.78	1.5	1722.05	4.9	1723.65	7.7	1712.24	4.0	1709.22	1.0	1722.70	1.7	1724.30	3.0	1723.31	0.28	1723.69	1.7	1722.80
05/27/20	0.16	1723.79	1.4	1722.05	4.9	1723.66	7.7	1712.24	4.0	1709.20	0.83	1722.70	1.8	1724.30	2.9	1723.30	0.23	1723.70	1.7	1722.97
05/28/20	0.16	1723.79	1.4	1722.06	4.9	1723.66	7.7	1712.24	4.0	1709.20	0.84	1722.69	1.8	1724.27	2.9	1723.27	0.23	1723.70	1.6	1722.93
05/29/20	0.16	1723.79	1.4	1722.08	4.6	1723.68	7.7	1712.25	4.0	1709.19	0.84	1722.64	1.8	1724.28	2.9	1723.28	0.23	1723.72	1.5	1722.91
05/30/20	0.16	1723.79	1.4	1722.09	4.4	1723.68	7.7	1712.24	4.0	1709.20	0.89	1722.58	1.8	1724.27	2.9	1723.27	0.26	1723.73	1.5	1723.41
05/31/20	0.16	1723.79	1.5	1722.10	4.9	1723.68	7.7	1712.24	4.0	1709.20	0.94	1722.58	1.8	1724.25	2.9	1723.25	0.27	1723.73	1.5	1723.77
Monthly Average	0.15	1723.67	1.5	1721.93	4.9	1723.58	7.7	1712.23	4.0	1709.22	1.1	1722.37	1.4	1724.64	2.5	1723.52	0.29	1723.59	1.7	1722.90
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	770	5/13/2020	700	5/13/2020	620 ^	5/13/2020	210 ^	5/13/2020	210 ^	5/13/2020	230	5/14/2020	310	5/14/2020	350	5/14/2020	650	5/13/2020	740	5/13/2020
Hexavalent Chromium	15	5/13/2020	15	5/13/2020	8.3	5/13/2020	4.4	5/13/2020	2.3	5/13/2020	0.94	5/14/2020	4.7	5/14/2020	5.1	5/14/2020	13	5/13/2020	14	5/13/2020
Total Chromium	14	5/13/2020	14	5/13/2020	8.5	5/13/2020	4.1	5/13/2020	2.4	5/13/2020	0.96	5/14/2020	4.9	5/14/2020	5.9	5/14/2020	13	5/13/2020	14	5/13/2020

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading.

^ = Instrument related QC is outside acceptance limits.

1: Analytical results are reported from TestAmerica.

2: On 05/04, 05/11, 05/18, and 05/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: On 05/19, I-D, I-M, and I-N 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 (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)
05/01/20	0.56	1721.98	0.71	1720.56	5.5	1721.80	0.51	1719.68	0.68	1716.99	4.1	1722.70	0.55	1723.38	3.4	1721.05	1.4	1716.99	7.5	1715.93
05/02/20	0.56	1721.99	0.79	1720.86	5.5	1721.81	0.51	1719.71	0.68	1717.09	4.1	1722.70	0.53	1723.37	3.4	1721.07	1.3	1716.17	8.1	1715.91
05/03/20	0.56	1722.01	0.73	1720.87	5.5	1721.83	0.52	1719.61	0.67	1717.15	4.1	1722.70	0.55	1723.38	3.4	1721.07	1.4	1716.87	8.4	1715.92
05/04/20 ²	0.54	1722.03	0.74	1720.89	5.5	1721.80	0.52	1719.58	0.70	1717.11	4.3	1722.69	0.59	1723.37	3.4	1721.08	1.4	1716.81	7.9	1715.88
05/05/20	0.55	1722.06	0.65	1721.06	5.5	1721.85	0.52	1719.65	0.68	1717.17	4.3	1722.71	0.53	1723.42	3.3	1721.09	1.4	1716.81	7.8	1715.92
05/06/20	0.55	1722.07	0.66	1721.13	5.5	1721.89	0.52	1719.67	0.67	1717.25	4.3	1722.72	0.53	1723.46	3.3	1721.10	1.3	1716.76	7.2	1715.95
05/07/20	0.56	1721.99	0.68	1721.20	5.5	1721.91	0.53	1719.64	0.67	1717.30	4.4	1722.72	0.52	1723.48	3.3	1721.10	1.2	1716.87	7.6	1715.94
05/08/20	0.58	1722.01	0.70	1721.29	5.4	1721.94	0.53	1719.67	0.67	1717.49	4.4	1722.73	0.52	1723.51	3.4	1721.13	1.2	1716.50	7.8	1715.98
05/09/20	0.58	1722.04	0.63	1721.37	5.4	1721.96	0.53	1719.68	0.67	1717.50	4.3	1722.75	0.48	1723.53	3.4	1721.14	1.2	1716.54	7.7	1716.04
05/10/20	0.58	1722.00	0.67	1721.35	5.4	1721.96	0.53	1719.66	0.66	1717.56	4.2	1722.75	0.41	1723.56	3.4	1721.14	1.2	1716.16	7.5	1716.01
05/11/20 ²	0.56	1722.03	0.68	1721.37	5.5	1721.96	0.52	1719.64	0.68	1717.62	4.3	1722.76	0.51	1723.58	3.4	1721.15	1.3	1716.65	7.6	1716.02
05/12/20	0.58	1722.05	0.60	1721.68	5.5	1721.98	0.53	1719.81	0.65	1717.76	4.4	1722.77	0.45	1723.59	3.3	1721.17	1.2	1717.46	8.0	1716.10
05/13/20	0.58	1722.06	0.70	1721.81	5.5	1721.97	0.49	1720.28	0.64	1718.17	4.3	1722.77	0.50	1723.62	3.3	1721.16	1.2	1716.99	8.6	1716.02
05/14/20	0.57	1722.06	0.60	1723.24	5.5	1722.00	0.46	1720.28	0.63	1718.12	4.3	1722.78	0.49	1723.64	3.3	1721.18	1.2	1717.10	8.2	1716.07
05/15/20	0.58	1722.07	0.50	1723.07	5.4	1722.02	0.45	1720.33	0.63	1718.11	4.3	1722.79	0.48	1723.66	3.3	1721.20	1.2	1718.21	7.8	1716.10
05/16/20	0.58	1722.11	0.50	1723.11	5.4	1722.04	0.45	1720.39	0.62	1718.17	4.2	1722.80	0.46	1723.69	3.3	1721.22	1.2	1718.22	7.3	1716.09
05/17/20	0.56	1722.11	0.51	1723.50	5.4	1722.06	0.46	1720.37	0.62	1718.20	4.2	1722.80	0.45	1723.71	3.3	1721.22	1.2	1718.27	7.4	1716.12
05/18/20 ²	0.57	1722.12	0.58	1723.53	5.5	1722.07	0.48	1720.41	0.64	1718.21	4.3	1722.81	0.48	1723.73	3.3	1721.23	1.2	1718.30	7.8	1716.11
05/19/20	0.57	1722.11	0.53	1723.66	5.5	1722.07	0.45	1720.46	0.62	1718.24	4.4	1722.80	0.44	1723.77	3.3	1721.14	1.2	1718.28	8.5	1716.09
05/20/20	0.57	1722.10	0.53	1723.63	5.5	1722.08	0.45	1720.53	0.62	1718.30	4.4	1722.81	0.44	1723.78	3.3	1721.07	1.2	1718.29	8.6	1716.13
05/21/20	0.57	1722.10	0.52	1723.64	5.5	1722.10	0.45	1720.55	0.62	1718.39	4.4	1722.83	0.44	1723.81	3.3	1721.07	1.2	1718.31	8.0	1716.17
05/22/20	0.58	1722.09	0.52	1723.80	5.4	1722.10	0.45	1720.56	0.62	1718.42	4.4	1722.84	0.44	1723.83	3.3	1721.07	1.2	1718.33	7.4	1716.20
05/23/20	0.58	1722.06	0.52	1723.50	5.4	1722.08	0.45	1720.58	0.62	1718.38	4.4	1722.83	0.44	1723.83	3.4	1721.01	1.2	1718.32	7.8	1716.15
05/24/20	0.59	1722.06	0.53	1723.42	5.4	1722.08	0.45	1720.59	0.61	1718.44	4.4	1722.84	0.44	1723.84	3.4	1721.00	1.2	1718.40	8.1	1716.18
05/25/20	0.59	1722.08	0.51	1723.45	5.4	1722.11	0.44	1720.62	0.62	1718.48	4.3	1722.86	0.44	1723.86	3.3	1721.00	1.2	1718.43	7.9	1716.25
05/26/20 ²	0.58	1722.09	0.52	1723.48	5.4	1722.13	0.45	1720.65	0.62	1718.45	4.4	1722.87	0.44	1723.91	3.3	1721.00	1.2	1718.47	8.0	1716.27
05/27/20	0.58	1722.08	0.49	1723.51	5.5	1722.13	0.45	1720.67	0.62	1718.38	4.2	1722.88	0.42	1723.92	3.3	1720.99	1.2	1718.42	7.7	1716.27
05/28/20	0.58	1722.08	0.45	1723.52	5.5	1722.13	0.45	1720.65	0.62	1718.42	4.2	1722.88	0.42	1723.94	3.3	1720.97	1.2	1718.52	7.4	1716.27
05/29/20	0.58	1722.10	0.42	1723.57	5.4	1722.13	0.45	1720.67	0.62	1718.45	4.2	1722.89	0.40	1724.00	3.3	1720.98	1.2	1718.45	7.4	1716.31
05/30/20	0.58	1722.10	0.40	1723.58	5.4	1722.11	0.45	1720.66	0.62	1718.51	4.1	1722.90	0.39	1724.00	3.4	1720.97	1.2	1718.43	7.4	1716.31
05/31/20	0.58	1722.08	0.40	1723.58	5.4	1722.15	0.45	1720.69	0.62	1718.51	4.3	1722.90	0.38	1724.02	3.4	1720.95	1.2	1718.42	7.8	1716.30
Monthly Average	0.57	1722.06	0.58	1722.52	5.5	1722.01	0.48	1720.19	0.64	1717.95	4.3	1722.79	0.47	1723.68	3.3	1721.09	1.2	1717.64	7.8	1716.10
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	620	5/13/2020	640	5/14/2020	250	5/14/2020	870	5/13/2020	920	5/13/2020	600 [^]	5/13/2020	650	5/13/2020	480	5/14/2020	365	5/14/2020	310 [^]	5/13/2020
Hexavalent Chromium	13	5/13/2020	0.58	5/14/2020	1.4	5/14/2020	15	5/13/2020	15	5/13/2020	11	5/13/2020	13	5/13/2020	5.9	5/14/2020	0.77	5/14/2020	8.0	5/13/2020
Total Chromium	14	5/13/2020	0.61	5/14/2020	1.4	5/14/2020	14	5/13/2020	16	5/13/2020	12	5/13/2020	13	5/13/2020	6.7	5/14/2020	0.76	5/14/2020	7.1	5/13/2020

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading.

[^] = Instrument related QC is outside acceptance limits.

1: Analytical results are reported from TestAmerica.

2: On 05/04, 05/11, 05/18, and 05/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

5: Duplicates taken on 05/14 for well I-Y; 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)
05/01/20	953	62				0.00				1,119		84				
05/02/20	954	62				0.00				1,095	82	85				
05/03/20	950	62				0.00				1,083		78				
05/04/20 ³	950	61				0.00				1,101		81	120	9.5	0.039	0.033
05/05/20	948	61				0.00				1,086		74				
05/06/20	947	63	0.30	ND	450	0.00				1,113		76				
05/07/20	949	62				5.3	0.074	0.030	62	1,096		81				
05/08/20	949	62				0.00				1,060		82				
05/09/20	948	63				0.00				1,054	84	88				
05/10/20	949	62				0.00				1,094		83				
05/11/20 ³	949	64				0.00				1,066		82		12	0.030	0.024
05/12/20	946	60				0.00				1,059		84				
05/13/20	944	62	0.17	ND	430	0.00				1,059		80				
05/14/20	946	63				0.00				1,063		75				
05/15/20	947	62				0.00				1,093		79				
05/16/20	947	62				0.00				1,082	87	80				
05/17/20	946	62				0.00				1,059		83				
05/18/20 ³	946	62				0.00				1,044		87		12	0.029	0.025
05/19/20	942	62				0.00				1,062		84				
05/20/20	943	62	0.068	ND	440	0.00				1,062		80				
05/21/20	904	63				0.00				1,003		81				
05/22/20	986	62				0.00				1,125		77				
05/23/20	945	63				0.00				1,038	86	92				
05/24/20	947	63				0.00				1,044		80				
05/25/20	946	62				0.00				1,056		81				
05/26/20 ³	945	62				0.00				1,018		87		10	0.033	0.031
05/27/20	942	62	1.3	ND	500	0.00				1,025		85				
05/28/20	938	63				178				1,017		83				
05/29/20	940	63				0.00				1,071		87				
05/30/20	947	62				0.00				1,037	89	89				
05/31/20	944	62				0.00				1,027		92				
Monthly Average ²	946	62	0.48	ND	456	5.9	0.074	0.030	62	1,065	86	82	120	11	0.033	0.029

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 05/04, 05/11, 05/18, and 05/26, 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 05/01 to 05/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.
- 5: From 05/01 to 05/31, 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)
05/01/20	1,149	6.8	-309	1,061	6.7	-403	1,128		ND					28
05/02/20	1,151	6.8	-312	1,084	6.7	-404	1,133	ND						29
05/03/20	1,138	6.8	-319	968	6.7	-405	1,131							17
05/04/20	1,158	6.9	-357	1,015	6.7	-407	1,128			0.037 J	0.0067	ND	ND	17
05/05/20	1,166	6.9	-349	976	6.7	-407	1,126							25
05/06/20	1,150	6.8	-387	992	6.6	-404	1,129							18
05/07/20	1,146	6.7	-416	973	6.6	-406	1,039							19
05/08/20	1,131	6.7	-392	947	6.6	-406	1,108							18
05/09/20	1,135	6.6	-382	994	6.6	-403	1,095	ND						14
05/10/20	1,135	6.5	-415	990	6.6	-405	1,124							20
05/11/20	1,079	6.5	-403	1,015	6.6	-380	1,107				0.0074	ND	ND	22
05/12/20	1,063	6.4	-200	862	6.6	-327	1,102							35
05/13/20	1,121	6.4	-279	975	6.6	-330	1,113							25
05/14/20	1,136	6.5	-331	969	6.6	-341	1,097							20
05/15/20	1,142	6.5	-359	950	6.6	-366	1,124							37
05/16/20	1,118	6.5	-365	977	6.6	-372	1,117	ND						16
05/17/20	1,096	6.4	-376	950	6.6	-381	1,100							23
05/18/20	1,119	6.5	-379	959	6.6	-386	1,089							28
05/19/20	1,128	6.4	-337	947	6.6	-388	1,099				0.0070	ND	ND	28
05/20/20	1,115	6.6	-370	953	6.2	-370	1,087							25
05/21/20	1,157	6.7	-376	1,010	6.3	-385	1,092							32
05/22/20	1,015	6.6	-286	899	6.3	-345	1,117							33
05/23/20	1,125	6.6	-338	979	6.2	-368	1,070	ND						27
05/24/20	1,096	6.6	-338	906	6.2	-380	1,089							33
05/25/20	1,089	6.6	-342	1,004	6.2	-388	1,069							28
05/26/20	1,076	6.6	-343	981	6.3	-390	1,051				0.0075	0.00046 J	ND	25
05/27/20	1,082	6.5	-315	857	6.3	-364	1,074							25
05/28/20	1,082	6.6	-363	979	6.3	-366	776							20
05/29/20	1,072	6.6	-327	827	6.3	-383	371							29
05/30/20	1,086	6.6	-343	984	6.3	-399	1,085	ND						34
05/31/20	1,061	6.6	-335	861	6.3	-400	1,079							35
Monthly Average ²	1,113	6.6	-347	963	6.5	-383	1,066	ND	ND	0.037	0.0072	0.00012	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)
05/15/20	29.5	37.2
05/31/20	27.3	36.0

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
05/13/20	0	0	691	0
05/27/20	0	0	601	0

GW-11 Composite Sample ³		
Analytes	Concentration	Units
Perchlorate	5.1	mg/L
Chlorate	4.8	mg/L
Ammonia as N	0.18 J	mg/L
Total Phosphorus	ND	mg/L
Total Dissolved Solids (TDS)	11,000	mg/L
Total Suspended Solids (TSS)	8.8	mg/L
pH	8.6 HF	s.u.
Calcium	480	mg/L
Iron	0.056 J	mg/L
Chromium (total)	0.0084	mg/L
Chromium VI	ND	mg/L
Chloride	3,300	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,900	mg/L

Notes:

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

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

ND = Not detected above laboratory method detection limit (NH₃-N= 0.1 mg/L; Total P = 0.025 ug/L; Cr(VI) = 0.25 ug/L).

- 1: A transducer installed along the eastern berm provides water pressure measurements that are correlated to elevations for calculation of water depths. Results from a December 2018 bathymetric survey of the pond will be used to identify adjustment to the procedure, if necessary.
- 2: Pumping occurs over three consecutive days. The total amount pumped over the three day period is listed with the last day pumping occurred.
- 3: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: May 7, 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)		
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	10.0	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
May 2020	1,065	86	11	120	582	598

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. AP-5 sediment mixing and solids washing activities were completed on January 4, 2020. Wash water is still being transferred to T-205 to be processed.

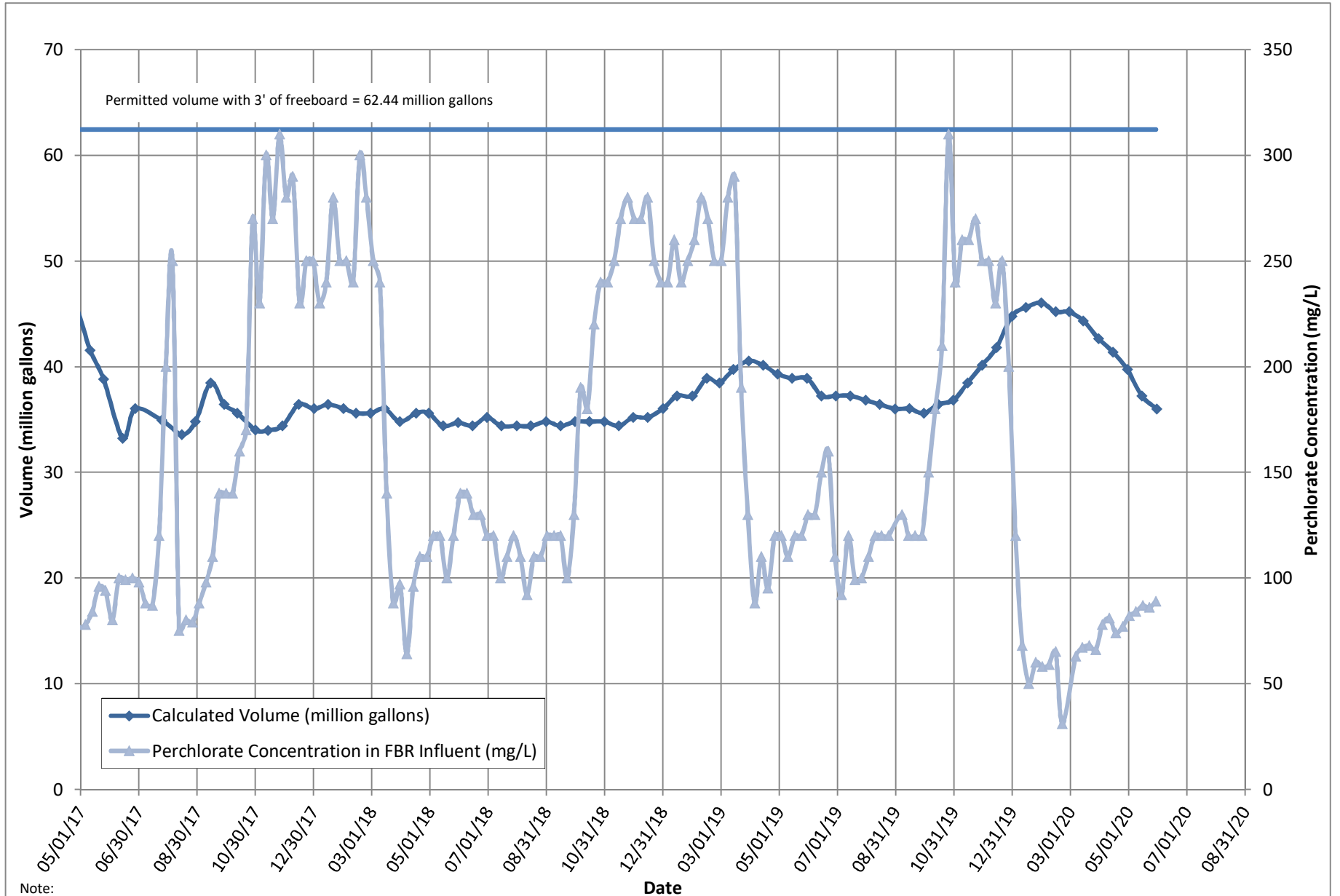
3: FBR loading calculated as $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$.

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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)
05/01/20	2.7	1711.66	1.4	1709.60	1.0	1712.01	1.2	1714.03	1.5	1714.41	1.6	1716.71	1.9	1714.31	0.64	1712.46
05/02/20	2.6	1711.62	1.4	1709.65	1.0	1712.21	1.1	1714.21	1.4	1717.32	1.4	1717.66	1.8	1715.67	0.61	1714.00
05/03/20	2.7	1711.32	1.4	1710.29	1.0	1711.60	1.1	1714.47	1.3	1716.67	1.1	1716.84	1.7	1716.86	0.52	1713.30
05/04/20 ²	2.7	1711.88	1.4	1709.73	1.1	1712.03	0.29	1715.86	0.36	1717.27	0.36	1722.75	0.48	1716.59	0.18	1717.12
05/05/20	2.7	1710.74	1.3	1709.55	1.0	1709.65	1.2	1718.00	1.4	1720.80	1.7	1724.37	1.8	1722.61	0.71	1723.34
05/06/20	2.7	1712.32	1.3	1711.38	1.0	1711.02	1.2	1716.54	1.3	1718.22	1.8	1718.65	1.8	1715.84	0.64	1717.60
05/07/20	2.5	1712.51	1.4	1711.50	1.0	1713.77	1.1	1715.50	1.4	1718.11	1.9	1715.68	1.8	1715.57	0.67	1717.56
05/08/20	2.4	1712.60	1.4	1711.14	1.0	1712.71	1.1	1714.77	1.4	1715.15	1.9	1714.26	1.8	1713.98	0.70	1716.51
05/09/20	2.5	1712.22	1.4	1710.00	1.0	1713.70	1.1	1714.15	1.4	1716.26	1.9	1715.65	1.8	1716.85	0.71	1715.51
05/10/20	2.5	1712.48	1.4	1710.91	1.0	1713.51	1.0	1714.60	1.4	1717.36	1.9	1715.23	1.7	1715.35	0.68	1717.10
05/11/20 ²	2.5	1713.75	1.4	1710.22	1.0	1712.64	1.0	1721.26	1.4	1721.50	1.8	1722.20	1.8	1723.29	0.64	1722.13
05/12/20	2.5	1715.31	1.4	1709.51	1.0	1712.11	1.0	1717.53	1.4	1715.54	1.8	1717.79	1.8	1715.12	0.55	1715.01
05/13/20	2.5	1714.92	1.4	1711.23	1.0	1714.91	1.0	1716.04	1.4	1715.49	1.7	1715.65	1.8	1715.01	0.68	1715.33
05/14/20	2.4	1714.27	1.4	1711.41	1.0	1714.38	0.99	1716.90	1.4	1715.43	1.8	1713.80	1.8	1713.73	0.62	1716.19
05/15/20	2.5	1714.58	0.80	1711.51	1.0	1713.17	1.0	1717.79	1.4	1716.04	1.8	1715.77	1.8	1715.72	0.63	1716.54
05/16/20	2.5	1714.18	1.9	1712.31	1.0	1712.80	1.0	1717.07	1.4	1715.59	1.8	1715.24	1.8	1714.95	0.63	1716.37
05/17/20	2.5	1713.72	1.4	1712.11	1.0	1712.51	1.0	1716.54	1.4	1715.65	1.9	1714.88	1.8	1714.26	0.65	1715.95
05/18/20	2.4	1714.21	1.3	1711.90	0.98	1712.44	1.0	1715.84	1.4	1715.61	1.8	1714.66	1.7	1714.75	0.59	1715.12
05/19/20	2.7	1715.22	1.4	1711.56	1.0	1712.51	0.95	1716.72	1.4	1716.71	1.8	1714.86	1.8	1715.16	0.61	1716.06
05/20/20	2.5	1713.82	1.4	1710.40	1.0	1712.64	0.95	1716.90	1.4	1716.46	1.9	1714.65	1.8	1715.70	0.60	1716.48
05/21/20	2.5	1716.74	1.4	1709.75	1.0	1713.06	0.94	1718.74	1.4	1716.43	1.9	1713.76	1.8	1715.26	0.63	1718.44
05/22/20	2.5	1716.62	1.4	1709.95	1.0	1713.03	0.94	1718.79	1.4	1716.46	1.9	1714.09	1.8	1715.25	0.62	1718.18
05/23/20	2.5	1716.24	1.4	1709.90	1.0	1713.03	0.94	1718.22	1.4	1716.02	1.5	1711.04	1.8	1714.80	0.60	1716.82
05/24/20	2.8	1715.98	1.4	1711.35	0.99	1713.36	0.93	1717.21	1.4	1716.45	1.4	1712.38	1.8	1715.26	0.63	1717.36
05/25/20	2.8	1714.68	1.4	1710.61	1.0	1713.80	0.95	1717.32	1.4	1716.70	1.5	1712.94	1.9	1714.90	0.65	1716.87
05/26/20	2.8	1711.44	1.4	1709.68	1.0	1711.60	0.99	1718.04	1.4	1715.72	1.5	1717.66	1.8	1713.66	0.67	1716.10
05/27/20	2.8	1712.16	1.4	1710.33	1.0	1711.76	1.0	1715.90	1.4	1714.71	1.4	1718.05	1.8	1714.28	0.67	1716.77
05/28/20	2.8	1712.25	1.4	1710.51	1.0	1712.40	1.0	1715.65	1.4	1714.57	1.4	1717.58	1.8	1715.00	0.68	1717.11
05/29/20	2.7	1711.09	1.4	1710.24	1.0	1712.06	1.2	1715.28	1.5	1713.36	1.4	1717.99	1.8	1714.94	0.68	1714.51
05/30/20	2.8	1712.00	1.4	1711.18	0.99	1712.45	0.67	1715.77	1.3	1713.91	1.4	1716.83	1.8	1716.00	0.65	1715.05
05/31/20	2.7	1711.69	1.3	1711.07	1.0	1712.36	0.98	1717.98	1.4	1716.94	1.4	1718.07	1.8	1715.95	0.66	1718.03
Monthly Average	2.6	1713.36	1.4	1710.66	1.0	1712.62	1.0	1716.57	1.4	1716.35	1.6	1716.38	1.8	1715.70	0.63	1716.61
Analytical	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc ³ (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	480	5/5/2020	1,200	5/5/2020	510	5/5/2020	74	5/5/2020	250	5/5/2020	460	5/5/2020	690	5/5/2020	620	5/5/2020
Hexavalent Chromium	0.046	5/5/2020	0.26	5/5/2020	0.44	5/5/2020	0.021	5/5/2020	0.020	5/5/2020	0.022	5/5/2020	0.038	5/5/2020	0.069	5/5/2020
Total Chromium	0.049	5/5/2020	0.28	5/5/2020	0.48	5/5/2020	0.026	5/5/2020	0.026	5/5/2020	0.041	5/5/2020	0.043	5/5/2020	0.10	5/5/2020

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 05/04 and 5/11, AP Area wells offline intermittently due to instrument error.
 3: Duplicates taken on 05/05 for well E2-3; 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

