

Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																			
Date	LS #1 Flow ² (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 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)
03/01/18	727	165	1535.51	91	1541.82	129	1543.74	115	1538.48	35	1549.46	100	1549.27	50	1550.39	19	1551.43	10	1524.50
03/02/18	741	167	1535.45	92	1541.52	131	1543.48	116	1538.36	42	1547.81	102	1548.95	51	1550.17	20	1551.29	9.7	1524.43
03/03/18	766	169	1535.52	93	1541.88	132	1543.42	118	1538.31	62	1547.76	103	1548.90	52	1550.12	20	1551.23	11	1524.40
03/04/18	759	165	1535.63	90	1541.93	129	1543.36	114	1538.24	59	1547.69	100	1548.83	50	1550.05	19	1551.17	10	1524.28
03/05/18 ³	641	168	1535.41	93	1542.26	131	1543.33	117	1538.22	61	1547.66	102	1548.80	51	1550.02	20	1551.14	10	1524.22
03/06/18	761	169	1535.32	92	1541.90	133	1543.32	118	1538.21	61	1547.64	103	1548.78	52	1550.00	20	1551.11	11	1524.65
03/07/18	763	168	1535.11	92	1541.86	131	1543.29	117	1538.17	60	1547.61	102	1548.75	51	1549.96	19	1551.08	10	1524.57
03/08/18	718	168	1534.86	92	1541.88	132	1543.27	116	1538.17	61	1547.59	103	1548.73	51	1549.94	20	1551.05	9.8	1524.59
03/09/18	736	168	1534.52	91	1541.87	131	1543.23	117	1538.12	60	1547.56	102	1548.69	51	1549.91	19	1551.02	10	1524.37
03/10/18	738	167	1534.39	91	1541.95	131	1543.19	116	1538.09	60	1547.52	102	1548.65	51	1549.86	19	1550.97	9.7	1524.53
03/11/18	742	168	1534.47	90	1541.94	131	1543.17	117	1538.05	61	1547.50	102	1548.63	51	1549.84	20	1550.95	10	1524.45
03/12/18 ³	638	168	1534.39	90	1541.95	131	1543.15	117	1538.03	60	1547.49	102	1548.61	51	1549.82	20	1550.93	10	1524.31
03/13/18	700	166	1534.41	90	1541.74	132	1543.13	116	1538.01	60	1547.47	101	1548.60	51	1549.81	20	1550.91	10	1524.37
03/14/18	653	169	1534.42	92	1541.68	131	1543.10	118	1537.98	61	1547.44	103	1548.56	52	1549.77	20	1550.88	9.8	1524.43
03/15/18	653	166	1534.58	90	1541.90	131	1543.06	116	1537.94	60	1547.40	101	1548.52	51	1549.73	19	1550.84	10	1524.42
03/16/18	658	167	1534.54	90	1541.84	131	1543.04	116	1537.93	60	1547.38	102	1548.50	51	1549.71	20	1550.81	9.7	1524.43
03/17/18	653	168	1534.76	91	1541.99	131	1543.00	117	1537.88	61	1547.34	102	1548.46	51	1549.67	19	1550.78	10	1524.32
03/18/18	653	167	1535.11	90	1542.24	131	1542.96	115	1537.85	60	1547.31	102	1548.42	51	1549.63	19	1550.74	9.7	1524.36
03/19/18 ³	579	167	1535.12	96	1541.43	131	1542.94	116	1537.83	60	1547.28	102	1548.39	51	1549.60	20	1550.71	10	1524.27
03/20/18	651	167	1535.14	90	1541.63	131	1542.92	117	1537.81	60	1547.26	102	1548.37	51	1549.58	19	1550.68	9.7	1524.27
03/21/18	652	170	1535.24	92	1541.64	132	1542.88	118	1537.78	61	1547.22	104	1548.33	52	1549.54	20	1550.65	11	1524.25
03/22/18	652	167	1535.11	90	1541.26	130	1542.85	116	1537.75	60	1547.20	101	1548.30	51	1549.51	19	1550.62	9.7	1524.24
03/23/18	658	168	1535.03	91	1541.72	131	1542.85	117	1537.72	61	1547.17	103	1548.28	51	1549.48	20	1550.59	10	1524.22
03/24/18	665	167	1535.30	91	1541.36	131	1542.82	116	1537.69	60	1547.14	102	1548.24	51	1549.45	20	1550.55	9.7	1524.22
03/25/18	681	169	1534.99	91	1541.15	132	1542.78	118	1537.66	60	1547.10	103	1548.21	52	1549.41	20	1550.52	11	1524.21
03/26/18 ³	572	168	1535.04	92	1541.27	131	1542.75	116	1537.63	60	1547.07	102	1548.17	51	1549.37	20	1550.48	10	1524.12
03/27/18	662	165	1534.91	89	1541.39	129	1542.70	115	1537.59	59	1547.04	100	1548.14	51	1549.34	19	1550.45	10	1524.14
03/28/18	650	170	1534.81	92	1541.47	133	1542.69	118	1537.58	61	1547.02	104	1548.11	52	1549.32	20	1550.42	9.9	1524.12
03/29/18	650	165	1534.87	89	1541.22	128	1542.65	114	1537.54	59	1546.98	100	1548.08	50	1549.28	19	1550.39	10	1524.13
03/30/18	656	168	1534.69	91	1541.08	131	1542.63	117	1537.53	61	1546.96	102	1548.06	52	1549.26	20	1550.37	9.8	1524.17
03/31/18	666	167	1534.69	90	1541.08	131	1542.63	117	1537.53	60	1546.96	102	1548.06	51	1549.26	19	1550.37	10	1524.17
Monthly Average	680	167	1534.95	91	1541.67	131	1543.04	116	1537.93	59	1547.42	102	1548.50	51	1549.70	20	1550.81	10	1524.33
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
Perchlorate		11	3/6/2018	11	3/6/2018	13	3/6/2018	4.4	3/6/2018	7.3	3/6/2018	1.9	3/6/2018	0.27	3/6/2018	0.30	3/6/2018	1.1	3/6/2018
Hexavalent Chromium		0.0042	3/6/2018	0.00046	3/6/2018	ND	3/6/2018	0.0040	3/6/2018	ND	3/6/2018	ND	3/6/2018	ND	3/6/2018	ND	3/6/2018	ND	3/6/2018
Total Chromium		0.0058	3/6/2018	ND	3/6/2018	ND	3/6/2018	0.0054	3/6/2018	ND	3/6/2018	ND	3/6/2018	ND	3/6/2018	ND	3/6/2018	ND	3/6/2018

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: From 03/01-03/13, LS #1 received excess IX System flow because of reduced flow capacity for the IX System during maintenance.
 3: On 03/05, 03/12, 03/19, and 03/26, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 4: On 03/01, PC-118 offline at 12:55 pm. Online on 03/02 at 6:27 am.
 5: Duplicates taken on 03/06 for well PC-121; average of both values is presented and used for calculation.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																	
Date	LS #3 Flow ³ (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 ^{4,5} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{6,7,8,9,10} ¹¹ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{13,14} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ¹⁵ (gpm)	Water Elevation (ft amsl)
03/01/18	417	40	1583.54	149	1582.88	20	1583.03	4.0	1579.12	70	1581.20	16	1581.81	177	1583.05	1.5	1576.76
03/02/18	418	40	1583.55	149	1582.88	21	1583.04	4.0	1579.12	70	1581.20	16	1580.01	177	1583.06	1.5	1576.72
03/03/18	418	41	1583.54	148	1582.88	20	1583.03	4.0	1579.12	70	1581.23	16	1581.85	176	1583.06	1.5	1576.76
03/04/18	418	40	1583.54	149	1582.88	21	1583.03	4.0	1579.12	69	1581.19	16	1580.75	176	1583.05	1.5	1576.70
03/05/18 ²	445	41	1583.54	146	1582.88	23	1583.03	4.0	1579.12	54	1581.23	18	1579.99	178	1583.06	1.5	1576.70
03/06/18	417	40	1583.54	149	1582.88	20	1583.04	4.0	1579.12	70	1581.20	15	1581.28	178	1583.06	1.5	1576.72
03/07/18	418	40	1583.54	149	1582.88	21	1583.03	4.0	1579.12	69	1581.20	16	1581.38	177	1583.05	1.5	1576.69
03/08/18	418	40	1583.68	150	1582.75	20	1583.41	4.0	1579.15	70	1581.20	16	1579.94	177	1583.55	1.5	1576.75
03/09/18	418	40	1583.70	149	1582.75	19	1583.41	4.0	1579.14	69	1581.19	17	1582.28	176	1583.55	1.5	1576.78
03/10/18	417	40	1583.69	148	1582.73	22	1583.40	4.0	1579.14	70	1581.20	16	1580.20	176	1583.53	1.5	1576.80
03/11/18	418	40	1583.68	148	1582.71	20	1583.40	4.0	1579.14	69	1581.20	16	1581.01	176	1583.52	1.5	1576.74
03/12/18 ²	448	40	1583.68	149	1582.71	22	1583.40	4.0	1579.13	87	1581.16	13	1579.88	180	1583.52	1.5	1576.74
03/13/18	417	40	1583.68	149	1582.72	21	1583.40	4.0	1579.13	69	1581.19	16	1580.89	177	1583.53	1.5	1576.75
03/14/18	417	40	1583.67	149	1582.70	20	1583.39	4.0	1579.13	69	1581.19	16	1581.31	177	1583.51	1.5	1576.74
03/15/18	417	40	1583.66	149	1582.69	21	1583.38	4.0	1582.93	69	1581.16	16	1579.95	177	1583.50	1.5	1576.74
03/16/18	409	40	1583.88	141	1583.63	20	1583.47	4.0	1582.94	69	1581.16	17	1581.36	177	1583.69	1.5	1576.75
03/17/18	386	40	1583.86	108	1582.87	21	1583.50	4.0	1583.02	69	1581.13	16	1579.91	176	1583.65	1.5	1576.76
03/18/18	417	40	1583.73	149	1582.76	21	1583.43	4.0	1579.12	68	1581.16	16	1580.12	176	1583.55	1.5	1576.76
03/19/18 ²	378	39	1583.71	147	1582.71	17	1583.40	4.0	1579.12	85	1581.13	13	1581.39	176	1583.52	1.5	1576.76
03/20/18	416	40	1583.69	150	1582.69	20	1583.38	4.0	1579.12	69	1581.11	16	1582.27	178	1583.50	1.5	1576.75
03/21/18	416	40	1583.67	150	1582.67	23	1583.37	4.0	1579.12	68	1581.12	16	1580.37	177	1583.48	1.5	1576.78
03/22/18	415	39	1583.65	149	1582.65	19	1583.36	4.0	1579.12	68	1581.13	16	1580.52	177	1583.46	1.5	1576.76
03/23/18	381	36	1583.82	135	1582.83	19	1583.47	4.0	1583.03	66	1579.27	15	1581.18	157	1583.62	1.5	1576.78
03/24/18	419	40	1583.73	149	1582.73	21	1583.40	4.0	1582.97	68	1579.19	16	1581.65	176	1583.53	1.5	1576.77
03/25/18	418	40	1583.68	148	1582.70	21	1583.36	4.0	1582.93	67	1579.19	16	1579.96	176	1583.48	1.5	1576.76
03/26/18 ²	468	40	1583.65	150	1582.64	19	1583.34	4.0	1579.12	81	1580.97	25	1579.88	176	1583.45	1.5	1576.78
03/27/18	429	40	1583.62	149	1582.61	21	1583.32	4.0	1579.12	67	1581.08	16	1581.60	177	1583.42	1.5	1576.74
03/28/18	415	39	1583.60	150	1582.59	20	1583.30	4.0	1579.12	67	1581.03	16	1581.36	177	1583.41	1.5	1576.77
03/29/18	413	40	1583.60	149	1582.59	20	1583.29	4.0	1582.85	66	1581.01	16	1581.15	175	1583.41	1.5	1576.76
03/30/18	414	40	1583.57	149	1582.56	20	1583.27	4.0	1582.84	68	1581.01	16	1581.65	176	1583.38	1.5	1576.75
03/31/18	415	40	1583.55	149	1582.54	20	1583.26	4.0	1582.83	67	1580.98	16	1579.95	176	1583.36	1.5	1576.75
Monthly Average	417	40	1583.65	147	1582.76	20	1583.30	4.0	1580.23	70	1580.96	16	1580.87	176	1583.40	1.5	1576.75
Analytical ¹		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		24	3/8/2018	14	3/8/2018	190	3/8/2018	145	3/8/2018	180	3/8/2018	90	3/8/2018	96	3/8/2018	66	3/8/2018
Hexavalent Chromium		ND	3/8/2018	0.0065	3/8/2018	0.34	3/8/2018	0.16	3/8/2018	0.70	3/8/2018	0.49	3/8/2018	0.097	3/8/2018	0.058	3/8/2018
Total Chromium		ND	3/8/2018	0.0077	3/8/2018	0.30	3/8/2018	0.15	3/8/2018	0.62	3/8/2018	0.46	3/8/2018	0.094	3/8/2018	0.053	3/8/2018

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).
 ART-1, 2, 3, 4, 7B, and 8 have adjacent recovery wells, both of which can be used for extraction. The pumping well can be chosen manually or automatically, based on operational considerations. The wells with transducers are ART-1, -2, -3, -4, -7A, -8, -9, and PC-150.
 1: Analytical results are reported from TestAmerica.
 2: On 03/05, 03/12, 03/19, and 03/26, 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: On 03/23, LS #3 offline intermittently due to communication loss.
 4: On 03/16, ART-2 offline at 8:19 am; ART-2A remained online.
 5: On 03/17, both ART-2 and ART-2A online at 4:33 pm.
 6: Conducted periodic bucket tests to confirm flow rates for ART-4. Average flow of 4.0 for 03/01-03/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.
 7: On 03/15, ART-4 offline at 3:31 pm due to LS #3 communication issues. ART 4A online.
 8: On 03/18, ART-4A offline at 11:00 am and ART-4 online.
 9: On 03/23, ART-4 offline at 1:15 am due to LS #3 communication loss. ART-4A online.
 10: On 03/25, ART-4A offline at 11:40 pm and ART-4 online.
 11: On 03/29, ART-4 offline at 5:13 pm due to maintenance. ART-4A online.
 12: Duplicates taken on 03/08 for well ART-4; average of both values is presented and used for calculation.
 13: On 03/23, ART-7A offline at 1:15 am due to LS #3 communication loss. ART-7B online.
 14: On 03/25, ART-7B offline at 11:40 pm and ART-7A online.
 15: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 03/01-03/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow 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 ² (gpm)	Water Elevation (ft amsl)	Flow ⁶⁷ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
03/01/18	0.17	1724.75	1.1	1710.09	0.00	1719.71	0.00	1724.01	0.00	1725.21	0.50	1711.60	3.8	1711.55	1.8	1717.51	1.4	1708.51	4.4	1713.12
03/02/18	0.17	1724.72	1.1	1710.31	0.00	1719.66	0.00	1724.01	0.00	1725.22	0.49	1710.45	3.9	1707.82	1.8	1717.91	1.4	1709.43	4.4	1713.12
03/03/18	0.18	1724.73	1.1	1710.27	0.00	1719.64	0.00	1724.00	0.00	1725.22	0.49	1710.40	4.0	1707.73	1.7	1718.23	1.4	1708.51	4.4	1713.11
03/04/18	0.18	1724.71	1.1	1709.55	0.00	1719.63	0.00	1723.94	0.00	1725.19	0.49	1710.55	4.0	1707.89	1.7	1718.47	1.4	1708.51	4.5	1713.10
03/05/18 ³	0.19	1724.97	1.1	1709.55	0.00	1719.63	0.00	1723.95	0.00	1725.19	0.58	1710.61	4.0	1708.86	1.6	1718.86	1.4	1708.50	4.4	1713.10
03/06/18	0.17	1724.80	1.1	1709.55	0.00	1719.65	0.00	1723.97	0.00	1725.20	0.49	1710.73	4.0	1707.87	1.6	1719.13	1.4	1708.51	4.4	1713.10
03/07/18	0.17	1724.65	1.1	1709.55	0.03	1719.64	0.00	1723.98	0.00	1725.21	0.48	1712.35	4.0	1707.88	1.6	1719.27	1.4	1708.51	4.4	1713.10
03/08/18	0.17	1724.64	1.2	1707.37	0.00	1719.64	0.02	1723.95	0.01	1725.22	0.47	1712.58	4.0	1707.93	1.6	1719.41	1.4	1708.51	4.4	1713.10
03/09/18	0.17	1724.75	1.2	1708.26	0.00	1719.63	0.00	1723.98	0.00	1725.23	0.48	1712.40	4.0	1707.91	1.6	1719.44	1.4	1708.51	4.4	1713.10
03/10/18	0.17	1724.88	1.2	1708.31	0.00	1719.61	0.00	1723.96	0.00	1725.22	0.47	1712.03	3.9	1707.85	1.5	1719.53	1.4	1708.51	4.4	1713.08
03/11/18	0.17	1724.91	1.2	1707.95	0.00	1719.64	0.00	1723.93	0.00	1725.21	0.40	1716.10	4.0	1707.82	1.5	1719.66	1.4	1708.51	4.5	1713.07
03/12/18 ³	0.17	1724.91	1.1	1709.18	0.00	1719.65	0.00	1723.95	0.00	1725.22	0.40	1716.27	3.9	1707.92	1.5	1720.00	1.4	1708.56	4.4	1713.07
03/13/18	0.17	1725.12	1.2	1707.17	0.00	1719.65	0.00	1723.98	0.00	1725.23	0.38	1716.01	3.9	1709.55	1.9	1714.83	1.4	1709.56	4.4	1713.08
03/14/18	0.17	1724.93	1.2	1707.38	0.02	1719.67	0.00	1723.99	0.00	1725.24	0.39	1715.61	3.9	1709.28	2.0	1714.16	1.4	1709.21	4.4	1713.07
03/15/18	0.17	1724.92	1.2	1707.33	0.00	1719.67	0.00	1723.96	0.00	1725.23	0.40	1715.22	3.9	1709.42	1.9	1713.66	1.4	1708.51	4.4	1713.05
03/16/18	0.17	1724.96	1.2	1707.36	0.00	1719.67	0.00	1723.98	0.00	1725.24	0.39	1716.79	3.9	1709.35	1.9	1713.78	1.4	1708.83	4.4	1713.04
03/17/18	0.17	1724.96	1.2	1707.31	0.00	1719.66	0.00	1723.97	0.00	1725.24	0.38	1716.74	3.9	1709.39	1.8	1715.59	1.4	1708.51	4.4	1713.02
03/18/18	0.17	1724.95	1.2	1707.35	0.00	1719.66	0.00	1723.93	0.00	1725.22	0.37	1716.84	3.8	1709.42	1.8	1715.99	1.4	1708.50	4.5	1712.99
03/19/18 ³	0.23	1724.38	1.2	1707.37	0.00	1719.66	0.00	1723.94	0.00	1725.22	0.30	1716.78	3.9	1709.58	1.8	1716.16	1.4	1708.52	4.4	1712.97
03/20/18	0.22	1724.35	1.2	1707.35	0.00	1719.67	0.00	1723.97	0.00	1725.24	0.38	1716.80	3.8	1709.94	1.7	1716.85	1.4	1708.53	4.4	1712.96
03/21/18	0.21	1724.24	1.2	1707.35	0.00	1719.66	0.00	1723.97	0.00	1725.24	0.38	1716.64	3.8	1709.73	1.8	1706.18	1.4	1708.89	4.4	1712.93
03/22/18	0.22	1723.65	1.2	1707.29	0.00	1719.65	0.00	1723.98	0.00	1725.25	0.38	1716.71	3.9	1707.88	2.0	1706.20	1.4	1708.73	4.4	1712.91
03/23/18	0.23	1723.40	1.2	1707.36	0.00	1719.64	0.00	1723.98	0.00	1725.25	0.37	1716.69	3.9	1709.37	1.9	1706.19	1.4	1708.52	4.4	1712.88
03/24/18	0.23	1723.37	1.2	1707.35	0.00	1719.61	0.00	1723.99	0.00	1725.25	0.38	1716.61	3.9	1708.88	1.9	1706.19	1.4	1708.50	4.4	1712.85
03/25/18	0.23	1723.32	1.2	1707.28	0.00	1719.60	0.00	1723.97	0.00	1725.25	0.38	1716.54	3.9	1709.33	1.9	1706.19	1.4	1708.66	4.5	1712.81
03/26/18 ³	0.23	1723.37	1.2	1707.34	0.00	1719.58	0.00	1723.94	0.00	1725.24	0.36	1716.43	3.6	1707.90	1.8	1706.18	1.3	1708.84	4.4	1712.77
03/27/18	0.23	1723.30	1.2	1707.35	0.00	1719.56	0.00	1723.93	0.00	1725.23	0.38	1716.45	3.9	1707.87	1.8	1706.18	1.4	1708.52	4.4	1712.73
03/28/18	0.23	1723.20	1.2	1707.36	0.00	1719.55	0.00	1723.96	0.00	1725.24	0.38	1716.44	3.9	1707.92	1.8	1706.19	1.4	1708.50	4.4	1712.71
03/29/18	0.22	1723.15	1.2	1707.32	0.00	1719.54	0.00	1723.96	0.00	1725.24	0.38	1716.38	3.9	1707.88	1.8	1706.18	1.3	1708.51	4.4	1712.68
03/30/18	0.22	1723.16	1.2	1707.35	0.00	1719.53	0.00	1723.97	0.00	1725.25	0.38	1716.35	3.8	1707.78	1.8	1706.19	1.3	1708.54	4.4	1712.65
03/31/18	0.22	1723.26	1.2	1707.22	0.00	1719.51	0.00	1724.00	0.00	1725.26	0.38	1716.28	3.8	1707.78	1.8	1710.01	1.3	1708.50	4.4	1712.62
Monthly Average ²	0.19	1724.30	1.1	1708.04	0.00	1719.63	0.00	1723.97	0.00	1725.23	0.42	1714.79	3.9	1708.59	1.8	1713.56	1.4	1708.64	4.4	1712.96
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	1.700	3/14/2018	80	3/14/2018	240	3/14/2018	280	3/8/2018	180	3/8/2018	290	3/14/2018	640	3/14/2018	500	3/13/2018	435	3/13/2018	650	3/13/2018
Hexavalent Chromium	0.16	3/14/2018	0.058	3/14/2018	ND	3/14/2018	2.2	3/8/2018	1.1	3/8/2018	0.065	3/14/2018	2.2	3/14/2018	4.9	3/13/2018	6.1	3/13/2018	11	3/13/2018
Total Chromium	5.1	3/14/2018	0.061	3/14/2018	0.022	3/14/2018	2.1	3/8/2018	0.97	3/8/2018	0.28	3/14/2018	2.2	3/14/2018	5.3	3/13/2018	6.8	3/13/2018	14	3/13/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 NM = No measurements
 1: Analytical results are reported from TestAmerica.
 2: A "<" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below or above the transducer.
 3: On 03/05, 03/12, 03/19, and 03/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 4: On 03/07, I-AB was tested after being repaired.
 5: On 03/30 and 03/31, I-C adjusted to meet flow target as directed by the Trust.
 6: On 03/13, I-D and I-M adjusted to meet flow target as directed by the Trust.
 7: On 03/21, I-D, I-M, I-Q, and I-W adjusted to meet flow target as directed by the Trust.
 8: Duplicates taken on 03/13 for well I-E; average of both values is presented and used for calculation purposes.

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)
03/01/18	0.11	1719.02	0.97	1720.84	5.2	1722.06	6.8	1707.04	3.0	1716.25	1.5	1711.44	1.7	1719.31	3.6	1718.48	0.93	1722.07	1.8	1721.66
03/02/18	0.10	1718.93	0.97	1720.85	5.2	1722.07	6.8	1707.05	3.0	1716.27	1.5	1711.43	1.7	1719.19	3.6	1718.47	0.92	1722.09	1.8	1721.67
03/03/18	0.10	1718.89	0.97	1720.87	5.2	1722.06	6.8	1707.04	3.0	1716.25	1.5	1711.43	1.7	1719.28	3.6	1718.45	0.91	1722.08	1.8	1721.68
03/04/18	0.10	1719.18	0.97	1720.83	5.2	1722.03	6.8	1707.04	3.0	1716.15	1.5	1711.43	1.7	1719.39	3.6	1718.43	0.90	1722.07	1.8	1721.67
03/05/18 ⁶	0.18	1719.23	0.97	1720.85	5.1	1722.04	6.8	1707.04	3.0	1716.17	1.5	1711.42	1.6	1719.48	3.6	1718.43	0.89	1722.08	1.8	1721.68
03/06/18	0.10	1719.26	0.97	1720.87	5.1	1722.06	6.8	1707.04	3.0	1716.18	1.5	1711.43	1.6	1719.37	3.6	1718.42	0.90	1722.10	1.8	1721.69
03/07/18	0.10	1719.46	0.97	1720.89	5.1	1722.07	6.8	1707.04	3.0	1716.19	1.5	1711.42	1.6	1719.57	3.6	1718.41	0.89	1722.11	1.8	1721.70
03/08/18	0.10	1719.42	0.97	1720.92	5.2	1722.10	6.8	1707.05	3.0	1716.28	1.5	1711.42	1.6	1719.62	3.6	1718.41	0.89	1722.13	1.8	1721.72
03/09/18	0.10	1719.51	0.97	1720.93	5.2	1722.11	6.8	1707.05	3.0	1716.29	1.5	1711.51	1.6	1719.53	3.6	1718.39	0.88	1722.14	1.8	1721.74
03/10/18	0.11	1719.20	0.97	1720.93	5.2	1722.09	6.8	1707.06	3.0	1716.25	1.5	1711.43	1.5	1719.63	3.6	1718.36	0.88	1722.13	1.8	1721.73
03/11/18	0.11	1719.51	0.95	1720.93	5.2	1722.08	6.80	1707.06	3.0	1716.19	1.5	1711.43	1.3	1719.47	3.6	1718.34	0.88	1722.13	1.8	1721.73
03/12/18 ⁶	0.19	1719.09	0.97	1720.94	5.1	1722.10	6.9	1707.06	3.0	1716.10	1.5	1711.43	1.3	1719.16	3.6	1718.34	0.87	1722.15	1.7	1721.75
03/13/18	0.13	1718.83	0.97	1720.95	5.1	1722.12	6.9	1707.06	3.1	1716.12	1.5	1711.43	1.7	1719.25	3.6	1718.33	0.89	1722.16	1.7	1721.78
03/14/18	0.18	1716.16	0.97	1720.96	5.1	1722.11	6.9	1707.06	3.1	1716.14	1.5	1711.42	1.8	1719.29	3.6	1718.31	0.91	1722.15	1.7	1721.78
03/15/18	0.18	1715.84	0.96	1720.99	5.2	1722.11	6.9	1707.06	3.0	1716.11	1.5	1711.42	1.8	1719.24	3.6	1718.28	0.93	1722.14	1.7	1721.78
03/16/18	0.18	1715.94	0.95	1721.01	5.2	1722.12	6.8	1707.06	3.0	1716.13	1.5	1711.41	1.8	1719.37	3.6	1718.27	0.94	1722.15	1.7	1721.79
03/17/18	0.18	1715.88	0.94	1721.03	5.2	1722.11	6.8	1707.07	3.0	1716.09	1.5	1711.42	1.8	1719.30	3.6	1718.23	0.95	1722.14	1.7	1721.78
03/18/18	0.19	1716.07	0.93	1721.03	5.2	1722.09	6.8	1707.07	3.0	1716.04	1.5	1711.42	1.8	1719.33	3.6	1718.20	0.96	1722.13	1.7	1721.78
03/19/18 ⁶	0.35	1714.41	0.92	1721.04	5.1	1722.10	6.8	1707.08	3.1	1716.05	1.5	1711.42	1.7	1719.35	3.6	1718.17	0.96	1722.14	1.7	1721.79
03/20/18	0.19	1714.74	0.93	1721.07	5.1	1722.12	6.8	1707.08	3.1	1716.09	1.5	1711.42	1.7	1719.47	3.6	1718.15	0.95	1722.16	1.7	1721.81
03/21/18	0.19	1714.68	0.93	1721.07	5.1	1722.12	6.8	1707.08	3.0	1716.10	1.5	1711.42	1.8	1719.19	3.6	1718.11	0.95	1722.13	1.6	1721.81
03/22/18	0.18	1714.79	0.93	1721.05	5.2	1722.11	6.8	1707.08	3.0	1716.11	1.5	1711.42	2.0	1718.44	3.6	1718.08	0.94	1722.12	1.6	1721.80
03/23/18	0.18	1715.76	0.94	1721.05	5.2	1722.10	6.8	1707.08	3.0	1716.10	1.5	1711.42	2.0	1719.11	3.6	1718.01	0.94	1722.12	1.6	1721.79
03/24/18	0.18	1715.00	0.93	1721.05	5.2	1722.10	6.8	1707.07	3.0	1716.11	1.5	1711.41	1.9	1719.21	3.6	1717.95	0.93	1722.12	1.6	1721.79
03/25/18	0.18	1714.87	0.92	1721.06	5.2	1722.09	6.8	1707.07	3.0	1716.09	1.4	1711.42	1.9	1719.18	3.6	1717.88	0.93	1722.11	1.6	1721.78
03/26/18 ⁶	0.31	1714.77	0.91	1721.05	5.2	1722.08	6.9	1707.07	3.0	1716.11	1.5	1711.42	1.8	1718.67	3.6	1717.82	0.91	1722.10	1.6	1721.79
03/27/18	0.18	1714.81	0.92	1721.05	5.2	1722.07	6.9	1707.07	3.1	1716.14	1.4	1711.42	2.7	1718.88	4.6	1717.74	0.93	1722.10	1.6	1721.78
03/28/18	0.19	1714.78	0.91	1721.08	5.1	1722.09	6.8	1707.07	3.0	1716.22	1.4	1711.42	1.8	1718.69	3.6	1717.71	0.88	1722.12	1.6	1721.81
03/29/18	0.19	1714.00	0.91	1721.10	5.2	1722.09	6.8	1707.07	3.0	1716.32	1.4	1711.42	1.7	1718.60	3.6	1717.63	0.91	1722.13	1.6	1721.82
03/30/18	0.19	1714.26	0.91	1721.12	5.2	1722.10	6.8	1707.08	3.0	1716.46	1.4	1711.42	1.7	1718.81	3.5	1717.55	0.83	1722.14	1.6	1721.83
03/31/18	0.19	1714.03	0.89	1721.15	5.2	1722.12	6.8	1707.08	3.0	1716.61	1.4	1711.47	1.7	1718.76	3.5	1717.47	0.80	1722.16	1.6	1721.86
Monthly Average ²	0.17	1716.78	0.94	1720.99	5.1	1722.09	6.8	1707.06	3.0	1716.18	1.5	1711.43	1.7	1719.18	3.6	1718.16	0.91	1722.12	1.7	1721.76
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	1,200	3/13/2018	1,000	3/13/2018	930	3/8/2018	330	3/8/2018	270	3/8/2018	540	3/14/2018	550	3/13/2018	440	3/13/2018	880	3/13/2018	1,000	3/13/2018
Hexavalent Chromium	18	3/13/2018	14	3/13/2018	11	3/8/2018	4.0	3/8/2018	2.2	3/8/2018	0.77	3/14/2018	6.1	3/13/2018	6.2	3/13/2018	16	3/13/2018	15	3/13/2018
Total Chromium	22	3/13/2018	16	3/13/2018	11	3/8/2018	3.8	3/8/2018	2.3	3/8/2018	0.80	3/14/2018	6.3	3/13/2018	6.7	3/13/2018	18	3/13/2018	17	3/13/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: A "*" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below or above the transducer.
 3: On 03/05, 03/12, 03/19, and 03/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 6: On 03/13, I-D and I-M adjusted to meet flow target as directed by the Trust.
 7: On 03/21, I-D, I-M, I-Q, and I-W 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 ^{7,9} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
03/01/18	0.20	1719.29	1.2	1716.44	2.1	1724.18	0.34	1713.82	0.77	1711.79	4.3	1720.01	0.34	1721.19	4.1	1712.73	1.4	1710.29	8.2	< 1707.89
03/02/18	0.20	1719.47	1.3	1714.72	2.4	1713.18	0.35	1713.84	0.77	1711.71	4.3	1720.03	0.34	1721.21	4.1	1712.72	1.4	1708.63	8.4	< 1707.89
03/03/18	0.20	1718.89	1.3	1714.72	2.6	1712.91	0.34	1713.88	0.77	1712.09	4.4	1720.02	0.34	1721.20	4.1	1712.68	1.4	1708.07	8.0	< 1707.89
03/04/18	0.20	1719.36	1.3	1714.81	2.5	1713.04	0.33	1714.09	0.76	1712.12	4.5	1719.98	0.33	1721.20	4.2	1712.65	1.4	1708.38	8.0	< 1707.89
03/05/18 ⁸	0.19	1719.31	1.4	1714.74	2.5	1712.28	0.32	1714.14	0.76	1712.07	4.4	1720.00	0.31	1721.23	4.2	1712.66	1.4	1713.29	8.0	< 1707.89
03/06/18	0.21	1719.37	1.4	1714.70	2.5	1712.96	0.33	1714.17	0.77	1711.90	4.3	1720.02	0.32	1721.25	4.1	1712.65	1.4	1708.49	8.2	< 1707.89
03/07/18	0.22	1719.27	1.3	1714.74	2.5	1713.43	0.33	1714.18	0.76	1712.02	4.3	1720.04	0.32	1721.26	4.2	1712.62	1.4	1707.87	8.2	< 1707.89
03/08/18	0.22	1719.26	1.3	1714.76	2.5	1713.62	0.33	1714.18	0.76	1712.10	4.3	1720.06	0.32	1721.29	4.1	1712.63	1.4	1709.46	8.2	< 1707.89
03/09/18	0.21	1719.41	1.3	1714.71	2.5	1712.80	0.33	1714.17	0.78	1711.33	4.3	1720.08	0.32	1721.31	4.1	1712.60	1.3	1709.02	8.2	< 1707.89
03/10/18	0.21	1719.36	1.3	1714.61	2.5	1712.61	0.33	1714.17	0.79	1711.50	4.4	1720.06	0.31	1721.31	4.1	1712.53	1.4	1707.80	8.2	< 1707.89
03/11/18	0.24	1719.17	1.3	1714.70	2.5	1712.43	0.34	1714.15	0.79	1711.50	4.5	1720.04	0.31	1721.34	4.2	1712.48	1.4	1708.32	8.1	< 1707.89
03/12/18 ⁸	0.21	1719.39	1.3	1714.74	2.5	1712.38	0.33	1714.18	0.80	1711.52	4.4	1720.07	0.30	1721.34	4.2	1712.48	1.4	1708.53	8.1	< 1707.89
03/13/18	0.22	1719.23	1.4	1714.74	2.5	1712.30	0.33	1714.16	0.80	1711.40	4.4	1720.10	0.30	1721.37	4.2	1712.45	1.4	1708.43	8.2	< 1707.89
03/14/18	0.22	1719.27	1.4	1714.76	2.5	1712.24	0.33	1714.08	0.79	1712.17	4.3	1720.10	0.29	1721.39	4.2	1712.41	1.4	1709.75	8.2	< 1707.89
03/15/18	0.21	1719.24	1.4	1714.68	2.5	1712.89	0.34	1714.05	0.76	1712.10	4.3	1720.09	0.29	1721.39	4.2	1712.33	1.4	1708.54	8.2	< 1707.89
03/16/18	0.21	1719.26	1.4	1714.70	2.5	1713.57	0.34	1714.06	0.76	1712.05	4.3	1720.11	0.29	1721.40	4.1	1712.31	1.4	1712.89	8.2	< 1707.89
03/17/18	0.15	1719.21	1.4	1714.61	2.5	1712.73	0.34	1713.98	0.76	1712.06	4.4	1720.09	0.29	1721.40	4.1	1712.19	1.4	1708.44	8.2	< 1707.89
03/18/18	0.13	1719.25	1.3	1714.85	2.5	1713.52	0.34	1713.93	0.76	1712.04	4.5	1720.07	0.28	1721.39	4.2	1712.10	1.4	1708.63	8.1	< 1707.89
03/19/18 ⁸	0.21	1719.17	1.3	1714.80	2.5	1712.63	0.34	1713.88	0.76	1712.17	4.4	1720.08	0.26	1721.42	4.2	1712.04	1.4	1709.20	8.1	< 1707.89
03/20/18	0.20	1719.39	1.3	1714.85	2.5	1712.95	0.34	1713.89	0.77	1712.13	4.4	1720.11	0.27	1721.44	4.2	1711.93	1.4	1708.65	8.2	< 1707.89
03/21/18	0.17	1719.36	1.3	1714.84	2.5	1713.17	0.34	1713.93	0.72	1713.05	4.3	1720.10	0.44	1720.37	4.2	1711.81	1.4	1708.50	8.2	< 1707.89
03/22/18	0.21	1719.17	1.3	1714.86	2.5	1713.75	0.34	1713.95	0.71	1713.24	4.3	1720.09	0.68	1720.43	4.1	1711.69	1.4	1708.57	8.2	< 1707.89
03/23/18	0.19	1719.26	1.3	1714.84	2.4	1713.81	0.34	1713.94	0.70	1713.25	4.3	1720.08	0.69	1720.43	4.1	1711.52	1.4	1708.37	6.1	< 1707.89
03/24/18	0.20	1719.35	1.3	1714.81	2.4	1713.07	0.34	1714.13	0.71	1712.98	4.4	1720.08	0.66	1720.51	4.1	1711.25	1.4	1708.31	10	< 1707.89
03/25/18	0.23	1719.25	1.3	1714.76	2.3	1713.24	0.32	1714.02	0.72	1712.99	4.5	1720.07	0.64	1720.54	4.2	1710.87	1.4	1708.75	8.1	< 1707.89
03/26/18 ⁸	0.22	1718.99	1.3	1714.68	2.4	1712.63	0.34	1714.01	0.71	1713.03	4.4	1720.06	0.64	1720.54	4.1	1710.36	1.4	1708.15	8.3	< 1707.89
03/27/18	0.21	1719.07	1.3	1714.68	2.4	1712.14	0.34	1714.04	0.72	1712.98	4.4	1720.05	0.63	1720.56	4.2	1709.92	1.4	1708.13	8.2	< 1707.89
03/28/18	0.19	1718.96	1.3	1714.69	2.4	1712.22	0.33	1714.02	0.72	1713.04	4.3	1720.09	0.60	1720.67	4.2	1709.51	1.3	1712.58	8.1	< 1707.89
03/29/18	0.18	1719.21	1.3	1714.64	2.4	1712.24	0.34	1713.94	0.72	1713.06	4.3	1720.09	0.58	1720.71	4.1	1708.86	1.4	1708.57	8.2	< 1707.89
03/30/18	0.16	1719.30	1.3	1714.62	2.3	1712.36	0.34	1713.95	0.72	1712.95	4.3	1720.10	0.57	1720.73	4.1	1708.43	1.3	1709.60	8.2	< 1707.89
03/31/18	0.17	1719.27	1.3	1714.53	2.3	1711.93	0.34	1713.97	0.72	1713.03	4.4	1720.14	0.57	1720.77	4.1	1707.93	1.4	1708.16	8.2	< 1707.89
Monthly Average ²	0.20	1719.25	1.3	1714.78	2.4	1713.20	0.34	1714.03	0.75	1712.30	4.4	1720.07	0.41	1721.05	4.1	1711.66	1.4	1709.04	8.2	< 1707.89
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	900	3/13/2018	900	3/14/2018	430	3/14/2018	1,500	3/13/2018	1,500	3/13/2018	960	3/8/2018	960	3/13/2018	810	3/13/2018	890	3/14/2018	480	3/8/2018
Hexavalent Chromium	16	3/13/2018	0.34	3/14/2018	1.1	3/14/2018	19	3/13/2018	18	3/13/2018	14	3/8/2018	16	3/13/2018	8.5	3/13/2018	0.60	3/14/2018	9.3	3/8/2018
Total Chromium	18	3/13/2018	0.34	3/14/2018	1.1	3/14/2018	22	3/13/2018	20	3/13/2018	15	3/8/2018	18	3/13/2018	9.3	3/13/2018	0.60	3/14/2018	8.9	3/8/2018

- Notes:
- 1: Analytical results are reported from TestAmerica.
 - 2: A "<" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below or above the transducer.
 - 3: On 03/05, 03/12, 03/19, and 03/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 - 7: On 03/21, I-D, I-M, I-Q, and I-W adjusted to meet flow target as directed by the Trust.
 - 9: On 03/17, 03/18, and 03/20, I-Q adjusted to meet flow target as directed by the Trust.

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 ₃ (mg/L)	TA - NO ₂ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
03/01/18	1,025	79				0.00				1,104		253				
03/02/18	1,036	80				0.00				1,116		254				
03/03/18	1,054	80				0.00				1,134	250	253				
03/04/18	1,053	80				0.00				1,133		191				
03/05/18 ³	1,057	78				0.00				1,135		182	130	12	0.056	0.049
03/06/18	1,053	79				0.00				1,132		184				
03/07/18	1,051	79	0.35	ND	640	0.00				1,131		134				
03/08/18	1,013	80				0.00				1,098		181				
03/09/18	1,030	79				0.00				1,108		176				
03/10/18	1,032	77				0.00				1,109	240	169				
03/11/18	1,036	78				0.00				1,114		169				
03/12/18 ³	1,061	78				0.00				1,139		207	13	0.034	0.032	
03/13/18	1,004	74				0.00				1,108		75				
03/14/18	968	73	0.24	ND	720	0.00				1,094		75				
03/15/18	967	78				38	0.078	0.035	82	1,096		75				
03/16/18	963	78				4.2				1,091		73				
03/17/18	937	78				0.00				1,104	140	75				
03/18/18	966	77				0.00				1,090		57				
03/19/18 ³	1,059	77				15				1,173		75	12	0.064	0.036	
03/20/18	967	76				0.00				1,044		98				
03/21/18	965	76	0.15	ND	670	0.00				1,101		84				
03/22/18	966	80				1.2				1,091		77				
03/23/18	936	82				0.00				1,102		72				
03/24/18	978	80				0.00				1,076	88	78				
03/25/18	985	80				0.00				1,064		77				
03/26/18 ³	810	75				0.00				916		73	13	0.019	0.016	
03/27/18	954	80				0.00				1,041		80				
03/28/18	964	79	3.3	ND	710	0.00				1,056		77				
03/29/18	962	80				10				1,049		78				
03/30/18	969	80				0.00				1,086		82				
03/31/18	974	77				0.00				1,081	97	77				
Monthly Average ²	993	78	0.95	ND	680	2.18	0.078	0.035	82	1,094	168	124	130	13	0.042	0.033

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; NO₂-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 03/05, 03/12, 03/19, and 03/26, LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 4: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 03/01 to 03/31 due to FBR plant influent strainers clogging, except for monthly sampling on 03/15 and FBR Plant maintenance on 03/16, 03/19, 03/22, and 03/29.
 5: From 03/01 to 03/31, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics														
Date	1st Stage FBR ⁶			2nd Stage FBR ⁶			FBR Plant Effluent ⁷							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁷ (gpm)	TA - ClO ₄ (mg/L)	ETI - ClO ₄ (mg/L)	TA - ClO ₃ (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO ₃ - N (mg/L)	ETI - Turbidity (NTU)
03/01/18	1,098	6.6	-294	969	6.6	-353	1,044		ND					7
03/02/18	1,126	6.7	-364	907	6.6	-362	1,010		ND					15
03/03/18	1,233	6.7	-389	960	6.7	-364	1,080	ND	ND					12
03/04/18	1,231	6.7	-395	969	6.6	-363	1,144		ND					9
03/05/18	1,229	6.8	-381	1,015	6.6	-360	1,142		ND	0.030 J	0.013	ND	ND	13
03/06/18	1,219	6.8	-374	1,023	6.6	-363	1,115		ND					9
03/07/18	1,205	6.7	-382	952	6.6	-361	1,125		ND					7
03/08/18	1,191	6.6	-361	982	6.6	-354	1,105		ND					4
03/09/18	1,177	6.6	-226	814	6.5	-345	1,086		ND					5
03/10/18	1,209	6.6	-284	997	6.5	-346	1,086	ND	ND					10
03/11/18	1,232	6.6	-368	971	6.6	-349	1,111		ND					7
03/12/18	1,221	7.0	-314	926	6.8	-378	1,148		ND		0.0066	0.00031 J	ND	7
03/13/18	1,223	6.9	-346	987	6.8	-369	1,125		ND					15
03/14/18	1,217	7.0	-306	966	6.9	-378	1,129		ND					15
03/15/18	1,209	6.9	-250	917	6.8	-377	1,080		ND					18
03/16/18	1,209	6.9	-257	735	6.9	-374	1,096		ND					6
03/17/18	1,213	6.9	-271	930	6.9	-372	1,129	ND	ND					6
03/18/18	1,203	6.9	-327	901	6.9	-373	1,113		ND					15
03/19/18	1,186	7.1	-329	967	6.8	-374	1,034		ND		0.019	ND	ND	8
03/20/18	1,212	7.0	-248	1,008	6.9	-367	1,049		ND					2
03/21/18	1,211	6.9	-235	1,002	6.8	-368	1,085		ND					6
03/22/18	1,188	6.9	-309	1,006	6.8	-368	1,105		ND					2
03/23/18	1,173	6.9	-332	889	6.8	-384	1,016		ND					3
03/24/18	1,168	6.9	-318	971	6.8	-385	1,100	ND	ND					3
03/25/18	1,166	7.0	-256	922	6.8	-386	1,067		ND					3
03/26/18	1,174	6.9	-305	934	6.9	-388	1,096		ND		0.0027 J	ND	ND	4
03/27/18	1,175	6.9	-358	957	6.9	-387	1,078		ND					3
03/28/18	1,155	6.9	-291	938	6.9	-390	1,079		ND					4
03/29/18	1,192	6.9	-306	951	6.9	-391	1,081		ND					4
03/30/18	1,179	7.1	-385	966	6.9	-394	1,107		ND					2
03/31/18	1,184	7.0	-347	929	6.9	-395	1,105	ND	ND					5
Monthly Average ²	1,194	6.8	-320	947	6.8	-371	1,093	ND	ND	0.030	0.0099	0.000071	ND	7

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).

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		
Date	Field Measurement (ft)	Volume (MG)
03/15/18	30.5	36.0
03/31/18	31.4	34.8

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ¹ (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
03/16/18	1,770	6,191	0	0
03/27/18	317	1,920	0	0

GW-11 Composite Sample ^{2 3}		
Analytes	Concentration	Units
Perchlorate	11	mg/L
Chlorate	18	mg/L
Ammonia as N	0.86 j	mg/L
Total Phosphorus	0.10	mg/L
Total Dissolved Solids (TDS)	8,225	mg/L
Total Suspended Solids (TSS)	110	mg/L
pH	8.5	s.u.
Calcium	420	mg/L
Iron	1.8	mg/L
Chromium (total)	0.054	mg/L
Chromium VI	0.0011	mg/L
Chloride	2,600	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,200	mg/L

Notes:

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: Pumping occurs over three consecutive days. The total amount pumped over the three day period is listed with the last day pumping occurred.

2: GW-11 Corner Composite Sample collected quarterly, most recent sampling results presented. Sampled on: March 5, 2018.

3: The laboratory inadvertently ran each NPDES parameter corner sample separately rather than as a composite sample. The average of the four results are presented for these analytes.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics						
Date	Flow ¹ (gpm)	FBR Influent Concentration			Influent Function Load ² (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO ₄ ³ (mg/L)	NO ₃ as N (mg/L)	ClO ₃ (mg/L)		
Apr 2017	1,066	87	13	190	759	652
May 2017	1,102	88	12	190	773	702
June 2017	1,047	95	12	170	720	716
July 2017	1,058	118	12	170	777	733
Aug 2017	1,072	124	9.8	170	773	746
Sep 2017	1,070	114	11	190	806	768
Oct 2017	1,060	180	11	130	821	778
Nov 2017	1,042	279	11	130	1,030	821
Dec 2017	1,070	259	12	150	1,072	880
Jan 2018	1,031	249	13	150	1,021	920
Feb 2018	1,057	269	13	150	1,090	973
Mar 2018	1,094	168	13	130	836	978

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

3: 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.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E1-1				E1-2				E1-3				E2-1			
	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₂ ¹ (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₂ ¹ (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₂ ¹ (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₂ ¹ (mg/L)
03/01/18	1.9	1,721.10			1.2	1,711.12			0.82	1,710.94			1.1	1,711.41		
03/02/18	1.9	1,713.38			1.2	1,710.61			0.74	1,711.05			0.90	1,709.82		
03/03/18	1.9				1.2				0.74				0.90			
03/04/18	1.9				1.2				0.74				0.90			
03/05/18	2.0	1,721.41			1.3	1,712.35			0.90	1,715.13			0.02	1,719.53		
03/06/18	1.8	1,721.65			1.2	1,712.35			0.83	1,714.11			1.1	1,724.11		
03/07/18	2.5	1,721.65			1.5	1,712.19			1.1	1,713.43			1.4	1,715.48		
03/08/18	2.1	1,721.01			1.1	1,709.77			0.86	1,711.02			1.1	1,711.89		
03/09/18	2.1	1,720.98			1.2	1,712.76			0.91	1,710.88			1.0	1,713.96		
03/10/18	2.1				1.2				0.91				1.0			
03/11/18	2.1				1.2				0.91				1.0			
03/12/18	1.8				0.93				0.58				0.84			
03/13/18	2.0	1,721.23			1.1	1,714.39			0.80	1,718.97			0.76	1,718.39		
03/14/18	2.2	1,721.48			1.2	1,714.94			0.82	1,717.90			1.0	1,724.17		
03/15/18	1.8	1,721.70			1.0	1,715.32			0.82	1,718.59			1.1	1,722.20		
03/16/18	2.0	1,721.66			1.1	1,715.04			0.84	1,714.90			1.1	1,717.46		
03/17/18	2.0				1.1				0.84				1.1			
03/18/18	2.0				1.1				0.84				1.1			
03/19/18	2.1	1,721.62	0.032	640	1.2	1,715.40	0.067	1,700	0.91	1,715.65	0.18	920	1.1	1,717.96	0.030	190
03/20/18	2.1				1.2				0.91				1.1			
03/21/18	1.7	1,721.62			0.92	1,714.88			0.72	1,713.68			0.86	1,719.02		
03/22/18	2.0	1,721.81			1.3	1,714.98			0.90	1,715.43			1.2	1,717.86		
03/23/18	2.1	1,721.66			1.4	1,712.41			0.94	1,712.87			1.2	1,711.45		
03/24/18	2.1				1.4				0.94				1.2			
03/25/18	2.1				1.4				0.94				1.2			
03/26/18	2.0	1,721.36			1.3	1,710.78			0.87	1,710.95			1.1	1,711.40		
03/27/18	1.9	1,721.24			1.3	1,710.19			0.85	1,710.94			1.1	1,711.44		
03/28/18	1.7	1,721.36			1.1	1,709.66			0.63	1,711.07			0.75	1,711.17		
03/29/18	1.8	1,721.43			1.2	1,710.15			0.74	1,715.83			0.98	1,717.33		
03/30/18	2.5	1,721.47			1.4	1,711.96			0.91	1,715.98			1.2	1,715.35		
03/31/18	2.5				1.4				0.91				1.2			
Monthly Average ²	2.0	1721.04	0.032	640	1.2	1712.56	0.067	1,700	0.84	1713.97	0.18	920	1.0	1716.07	0.030	190

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading. *Italicized* flow rates indicate a totalizer reading was not recorded that day.
 1: Analytical results are reported from TestAmerica.
 2: All average concentrations reported are monthly flow weighted averages.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E2-2				E2-3				E2-4				E2-5			
	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₂ ¹ (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₂ ¹ (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₂ ¹ (mg/L)	Flow ³ (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₂ ¹ (mg/L)
03/01/18	1.2	1,713.52			1.3	1,717.66			1.7	1,713.99			0.60	1,718.32		
03/02/18	1.5	1,717.32			1.6	1,718.65			1.7	1,715.10			0.63	1,719.19		
03/03/18	1.5				1.6				1.7				0.63			
03/04/18	1.5				1.6				1.7				0.63			
03/05/18	1.2	1,715.72			1.5	1,714.74			1.7	1,714.55			0.18	1,719.82		
03/06/18	1.4	1,722.19			1.5	1,719.43			1.7	1,718.28			0.72	1,723.33		
03/07/18	1.8	1,717.22			2.0	1,717.05			2.2	1,715.82			1.0	1,719.01		
03/08/18	1.4	1,717.06			1.7	1,714.82			1.7	1,715.22			0.72	1,712.48		
03/09/18	1.4	1,717.25			0.86	1,712.33			1.5	1,715.21			0.67	1,717.75		
03/10/18	1.4				0.86				1.5				0.67			
03/11/18	1.4				0.86				1.5				0.67			
03/12/18	1.1				0.67				1.2				0.54			
03/13/18	1.2	1,719.53			0.77	1,724.50			1.3	1,720.80			0.24	1,721.67		
03/14/18	1.3	1,721.89			1.2	1,725.41			1.4	1,722.98			0.91	1,727.37		
03/15/18	1.0	1,722.11			1.0	1,723.55			1.2	1,722.47			0.68	1,719.41		
03/16/18	1.1	1,722.34			1.1	1,723.02			1.3	1,722.64			0.67	1,720.99		
03/17/18	1.1				1.1				1.3				0.67			
03/18/18	1.1				1.1				1.3				0.67			
03/19/18	1.3	1,722.24	0.022	430	0.78	1,723.12	0.017	640	1.2	1,722.84	0.021	830	0.24	1,722.21	0.033	1,450
03/20/18	1.3				0.78				1.2				0.24			
03/21/18	1.0	1,721.55			0.64	1,725.18			1.0	1,723.83			0.57	1,727.17		
03/22/18	1.5	1,718.28			1.8	1,724.35			1.9	1,723.00			0.80	1,722.82		
03/23/18	1.6	1,716.48			1.7	1,713.57			2.0	1,714.11			0.85	1,717.90		
03/24/18	1.6				1.7				2.0				0.85			
03/25/18	1.6				1.7				2.0				0.85			
03/26/18	1.5	1,714.99			1.7	1,713.82			1.1	1,712.69			0.74	1,715.41		
03/27/18	1.5	1,715.14			1.7	1,713.25			1.6	1,721.40			0.83	1,717.27		
03/28/18	1.3	1,710.80			1.2	1,710.94			1.4	1,715.33			0.65	1,711.95		
03/29/18	1.4	1,714.79			1.4	1,717.09			1.6	1,716.31			0.72	1,716.42		
03/30/18	1.7	1,712.74			1.7	1,713.72			0.54	1,713.72			0.82	1,715.85		
03/31/18	1.7				1.7				0.54				0.82			
Monthly Average ²	1.4	1717.66	0.022	430	1.3	1718.31	0.017	640	1.5	1718.02	0.021	830	0.66	1,719.31	0.033	1,450

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: All average concentrations reported are monthly flow weighted averages.
 3: Duplicates taken on 03/19 for well E2-5; average of both values is presented for calculation purposes.

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

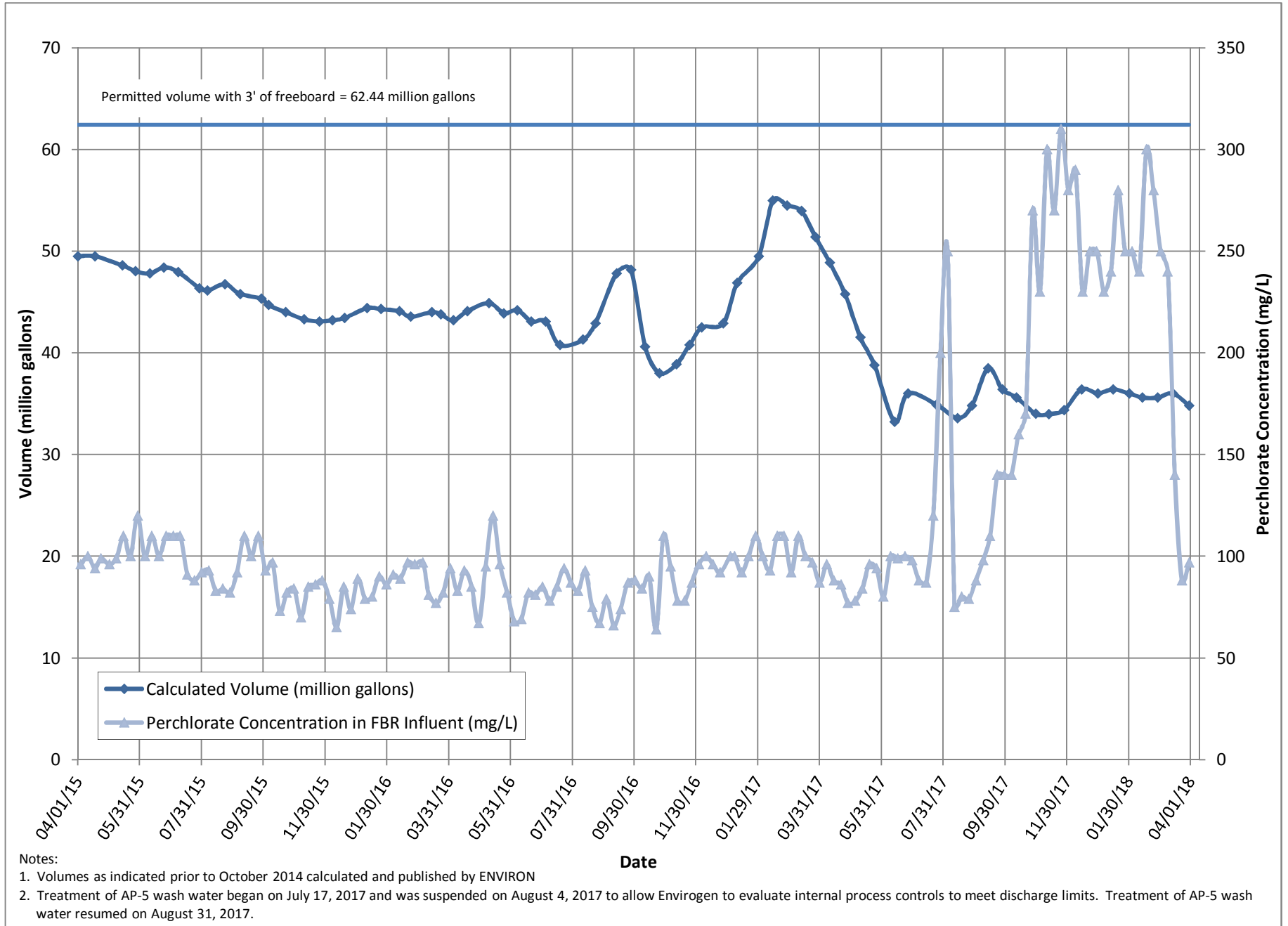


Figure 2 - FBR Equivalent Loading Calculation

