

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 ^a (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 ^a (ft amsl)
08/01/18	647	169	1535.62	86	1540.61	131	1541.17	110	1536.50	60	1545.51	102	1546.67	52	1547.75	20	1548.83	9.8	1520.01
08/02/18	645	168	1535.58	85	1540.87	131	1541.13	116	1536.40	59	1545.48	102	1546.64	51	1547.73	19	1548.81	10	< 1520.00
08/03/18	645	167	1535.58	84	1540.82	129	1541.13	115	1536.38	58	1545.48	101	1546.64	51	1547.73	19	1548.81	9.7	< 1520.00
08/04/18	644	167	1535.55	85	1540.36	130	1541.11	115	1536.34	58	1545.46	101	1546.63	51	1547.71	19	1548.80	9.7	< 1520.00
08/05/18	644	169	1535.54	86	1540.75	131	1541.11	116	1536.32	59	1545.44	102	1546.62	51	1547.71	19	1548.79	9.8	< 1520.00
08/06/18	623	167	1535.53	83	1540.35	130	1541.10	115	1536.31	58	1545.44	101	1546.61	51	1547.70	19	1548.78	9.9	< 1520.00
08/07/18 ^a	565	167	1535.55	84	1540.84	130	1541.11	115	1536.32	59	1545.45	101	1546.63	49	1547.71	19	1548.79	9.7	< 1520.00
08/08/18	655	166	1535.58	84	1541.22	129	1541.14	115	1536.34	58	1545.47	101	1546.65	52	1547.73	20	1548.81	10	< 1520.00
08/09/18	646	165	1535.59	84	1540.94	128	1541.15	114	1536.35	58	1545.49	100	1546.67	51	1547.76	19	1548.83	9.6	< 1520.00
08/10/18	649	167	1535.60	85	1540.66	130	1541.17	115	1536.36	58	1545.50	101	1546.69	51	1547.77	19	1548.85	9.7	< 1520.00
08/11/18	656	167	1535.61	85	1540.49	130	1541.18	115	1536.35	58	1545.53	101	1546.71	51	1547.80	19	1548.89	9.7	< 1520.00
08/12/18	648	163	1535.64	82	1541.16	126	1541.21	112	1536.38	57	1545.55	99	1546.74	49	1547.82	18	1548.90	9.2	< 1520.00
08/13/18 ^a	557	167	1535.66	87	1540.59	130	1541.22	115	1536.39	59	1545.57	102	1546.76	51	1547.84	19	1548.92	9.6	< 1520.00
08/14/18	675	168	1535.67	86	1541.24	131	1541.25	116	1536.41	59	1545.61	101	1546.78	51	1547.85	20	1548.94	9.8	< 1520.00
08/15/18 ^a	632	158	1535.84	80	1541.36	123	1541.33	109	1536.62	55	1545.63	96	1546.82	48	1547.90	18	1548.98	9.5	< 1520.00
08/16/18	553	168	1535.83	85	1540.73	130	1541.33	116	1536.61	59	1545.64	102	1546.82	51	1547.90	19	1548.98	10	< 1520.00
08/17/18	565	168	1535.83	86	1541.13	130	1541.34	115	1536.60	58	1545.65	102	1546.84	51	1547.92	19	1549.00	9.7	< 1520.00
08/18/18	559	167	1535.84	85	1540.34	130	1541.35	115	1536.58	58	1545.67	101	1546.86	51	1547.93	19	1549.01	9.7	< 1520.00
08/19/18	552	165	1535.83	84	1541.20	129	1541.35	114	1536.56	58	1545.67	99	1546.86	49	1547.94	19	1549.02	10	< 1520.00
08/20/18 ^a	562	167	1535.82	83	1541.17	130	1541.34	116	1536.55	59	1545.66	101	1546.86	51	1547.94	19	1549.02	9.8	1520.01
08/21/18	561	167	1535.81	85	1540.88	130	1541.34	115	1536.54	58	1545.65	101	1546.85	51	1547.93	19	1549.01	9.7	1520.01
08/22/18	674	167	1535.80	86	1541.19	131	1541.33	116	1536.52	59	1545.65	102	1546.85	51	1547.93	20	1549.01	9.8	< 1520.00
08/23/18	678	169	1535.79	86	1540.88	131	1541.33	117	1536.52	59	1545.66	103	1546.85	52	1547.93	20	1549.02	9.8	< 1520.00
08/24/18	667	166	1535.78	84	1540.62	129	1541.32	115	1536.50	58	1545.64	100	1546.84	50	1547.93	19	1549.01	9.7	< 1520.00
08/25/18	675	168	1535.77	86	1541.30	131	1541.32	117	1536.49	59	1545.63	102	1546.84	51	1547.92	20	1549.01	9.8	< 1520.00
08/26/18	662	165	1535.75	84	1540.48	128	1541.31	114	1536.48	58	1545.64	100	1546.84	50	1547.92	19	1549.00	9.6	< 1520.00
08/27/18 ^a	553	167	1535.74	85	1540.53	130	1541.31	115	1536.46	58	1545.62	101	1546.84	51	1547.92	19	1549.01	9.7	< 1520.00
08/28/18	676	169	1535.75	85	1540.61	131	1541.33	116	1536.47	59	1545.64	101	1546.86	51	1547.95	20	1549.03	9.8	< 1520.00
08/29/18	677	168	1535.79	86	1541.02	132	1541.37	117	1536.51	59	1545.69	102	1546.91	51	1548.00	20	1549.08	9.8	< 1520.00
08/30/18	673	168	1535.84	85	1541.03	130	1541.44	116	1536.54	58	1545.77	102	1546.98	52	1548.07	19	1549.15	10	< 1520.00
08/31/18	663	167	1535.90	86	1540.86	130	1541.51	115	1536.59	58	1545.83	102	1547.06	51	1548.15	19	1549.24	9.7	< 1520.00
Monthly Average	628	167	1535.71	85	1540.85	130	1541.26	115	1536.46	58	1545.59	101	1546.78	51	1547.86	19	1548.95	10	1520.00
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		14	8/14/2018	16	8/14/2018	9.9	8/14/2018	6.4	8/14/2018	5.0	8/14/2018	0.79	8/14/2018	0.046	8/14/2018	0.10	8/14/2018	0.86	8/14/2018
Hexavalent Chromium		0.0039	8/14/2018	ND	8/14/2018	ND	8/14/2018	0.0045	8/14/2018	ND	8/14/2018	ND	8/14/2018	ND	8/14/2018	ND	8/14/2018	ND	8/14/2018
Total Chromium		0.0038	8/14/2018	ND	8/14/2018	ND	8/14/2018	0.0045	8/14/2018	ND	8/14/2018	ND	8/14/2018	ND	8/14/2018	ND	8/14/2018	ND	8/14/2018

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: On 08/07, 08/13, 08/20, and 08/27, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 08/15, there was a planned plant shutdown from 7:15 am to 1:17 pm which impacted LS #3 and SWF flows.
 4: On 08/01, PC-117 offline intermittently due to maintenance.
 5: Duplicates taken on 08/14 for well PC-121; average of both values is presented and used for calculations.
 6: 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 the transducer.

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 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 ⁷ (gpm)	Water Elevation (ft amsl)
08/01/18	385	39	1582.96	149	1581.81	19	1580.63	3.5	1579.23	63	1581.82	18	1584.84	177	1582.15	1.5	1576.33
08/02/18	390	38	1582.94	149	1581.80	19	1580.62	3.5	1579.22	62	1581.33	16	1584.52	176	1582.14	1.5	1576.33
08/03/18	389	38	1582.93	149	1581.78	19	1580.63	3.5	1582.78	63	1581.76	17	1584.85	176	1582.12	1.5	1576.33
08/04/18	384	39	1582.90	148	1581.75	19	1580.62	3.5	1582.86	63	1581.85	17	1584.85	176	1582.11	1.5	1576.33
08/05/18	387	38	1582.88	149	1581.73	18	1580.61	3.5	1582.86	62	1581.71	15	1584.70	176	1582.09	1.5	1576.33
08/06/18	376	38	1582.87	151	1581.72	18	1580.60	3.5	1582.86	65	1581.76	12	1584.67	174	1582.08	1.5	1576.33
08/07/18 ²	471	40	1582.85	153	1581.70	19	1580.57	4.0	1579.22	65	1581.87	17	1584.92	182	1582.06	1.5	1576.33
08/08/18	387	39	1582.83	149	1581.68	18	1580.54	4.0	1579.23	62	1581.82	17	1584.84	176	1582.04	1.5	1576.33
08/09/18	386	38	1582.82	149	1581.67	18	1580.53	4.0	1579.23	63	1581.87	17	1584.75	176	1582.02	1.5	1576.33
08/10/18	385	38	1582.81	149	1581.65	18	1580.52	4.0	1579.23	63	1581.90	17	1584.81	176	1582.01	1.5	1576.33
08/11/18 ³	359	35	1583.29	138	1582.31	17	1583.40	4.0	1579.21	62	1581.88	17	1583.60	160	1582.80	1.5	1583.12
08/12/18	383	38	1582.97	149	1581.83	19	1583.11	4.0	1579.22	63	1581.85	16	1584.91	175	1582.23	1.5	1576.32
08/13/18 ²	394	39	1582.95	150	1581.81	21	1583.11	4.0	1579.22	63	1582.05	19	1584.95	176	1582.21	1.5	1576.32
08/14/18	397	38	1583.16	150	1581.67	19	1580.65	3.8	1579.22	63	1581.81	16	1585.09	174	1582.78	1.5	1576.33
08/15/18 ⁴	372	38	1583.27	141	1581.77	18	1580.74	3.8	1579.22	59	1581.57	16	1584.91	168	1582.85	1.5	1576.33
08/16/18	394	38	1583.24	150	1581.74	20	1580.71	3.8	1579.22	63	1581.22	16	1584.74	178	1582.83	1.5	1576.32
08/17/18	390	38	1583.25	150	1581.75	19	1580.72	3.8	1579.22	63	1581.31	16	1584.80	177	1582.83	1.5	1576.33
08/18/18	390	38	1583.27	150	1581.76	19	1580.73	3.8	1579.22	63	1581.39	16	1584.88	177	1582.85	1.5	1576.33
08/19/18	383	38	1583.28	148	1581.78	19	1580.74	3.8	1579.22	62	1581.52	16	1584.85	176	1582.86	1.5	1576.33
08/20/18 ²	401	38	1583.27	152	1581.77	20	1580.74	3.8	1579.22	63	1581.57	12	1584.95	176	1582.86	1.5	1576.32
08/21/18	389	38	1583.27	151	1581.77	19	1580.74	3.8	1579.22	63	1581.42	16	1584.88	177	1582.86	1.5	1576.32
08/22/18	390	38	1583.26	150	1581.77	19	1580.74	3.8	1579.22	62	1581.25	16	1584.80	178	1582.86	1.5	1576.32
08/23/18	390	38	1583.27	150	1581.77	19	1580.74	3.8	1579.22	63	1581.22	16	1584.91	177	1582.86	1.5	1576.32
08/24/18	390	38	1583.26	150	1581.76	19	1580.74	3.8	1579.22	63	1580.85	16	1584.72	177	1582.85	1.5	1576.32
08/25/18	389	38	1583.25	150	1581.75	19	1580.73	3.8	1579.22	62	1581.04	16	1584.85	176	1582.85	1.5	1576.32
08/26/18	386	38	1583.25	150	1581.75	19	1580.73	3.8	1579.22	62	1581.17	16	1584.80	176	1582.85	1.5	1576.32
08/27/18 ²	252	38	1583.25	150	1581.74	16	1580.73	3.8	1579.22	64	1580.99	21	1584.72	176	1582.84	1.5	1576.32
08/28/18	391	38	1583.23	150	1581.73	19	1580.72	3.8	1579.21	62	1580.85	16	1584.72	176	1582.83	1.5	1576.32
08/29/18	390	39	1583.32	151	1581.71	19	1580.71	3.8	1579.21	62	1580.78	15	1584.74	177	1582.82	1.5	1576.32
08/30/18	389	38	1583.20	150	1581.70	19	1580.70	3.8	1579.21	63	1580.78	16	1584.72	176	1582.81	1.5	1576.32
08/31/18	389	38	1583.22	150	1581.72	19	1580.71	3.8	1579.21	63	1580.64	16	1584.69	176	1582.82	1.5	1576.32
Monthly Average	385	38	1583.11	149	1581.76	19	1580.92	3.8	1579.69	63	1581.45	16	1584.77	176	1582.55	1.5	1576.54
Analytical ¹		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ⁶ (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		24	8/14/2018	14	8/14/2018	190	8/14/2018	125	8/14/2018	160	8/14/2018	120	8/14/2018	93	8/14/2018	64	8/14/2018
Hexavalent Chromium		ND	8/14/2018	0.0071	8/14/2018	0.37	8/14/2018	0.17	8/14/2018	0.71	8/14/2018	0.61	8/14/2018	0.10	8/14/2018	0.056	8/14/2018
Total Chromium		ND	8/14/2018	0.0078	8/14/2018	0.34	8/14/2018	0.16	8/14/2018	0.65	8/14/2018	0.56	8/14/2018	0.099	8/14/2018	0.049	8/14/2018

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; ClO₃ = 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 08/07, 08/13, 08/20, and 08/27, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 08/11, LS #3 and AWF offline from 8:43 PM to 11:11 PM due to heavy storms.
 4: On 08/15, there was a planned plant shutdown from 7:15 am to 1:17 pm which impacted LS #3 and AWF flows.
 5: Conducted periodic bucket tests to confirm flow rates for ART-4. Average flow of 3.5 gpm for 08/01-08/06, 4.0 gpm for 08/07-08/13, and 3.8 gpm for 08/14-08/31 determined from flow tests is presented and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.
 6: Duplicates taken on 08/14 for well ART-4; average of both values is presented and used for calculations.
 7: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 08/01-08/31 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 ^{7,8,9} (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 ¹⁰ (ft amsl)	Flow ¹¹ (gpm)	Water Elevation (ft amsl)	Flow ^{8,9,12,13} (gpm)	Water Elevation (ft amsl)	Flow ^{8,13} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
08/01/18	0.21	1721.81	0.91	1709.87	0.00	1718.95	0.00	1723.46	0.00	1732.78	0.42	1709.10	2.9	1707.62	1.2	1707.37	1.1	1708.45	3.8	1708.18
08/02/18	0.21	1721.84	1.0	1707.07	0.00	1718.91	0.00	1723.43	0.00	1732.87	0.42	1709.17	2.9	1707.61	1.2	1707.39	1.1	1708.45	3.7	1708.11
08/03/18	0.21	1721.91	1.0	1707.04	0.00	1718.91	0.00	1723.46	0.00	1732.90	0.43	1709.12	3.0	1707.62	1.2	1707.96	1.1	1708.45	3.7	1708.20
08/04/18	0.20	1721.97	1.0	1706.97	0.00	1718.90	0.00	1723.46	0.00	1733.04	0.43	1709.19	2.9	1707.62	1.2	1707.73	1.1	1708.45	3.6	1708.18
08/05/18	0.20	1722.05	1.0	1707.40	0.00	1718.89	0.00	1723.44	0.00	1733.17	0.42	1709.13	2.9	1707.62	1.2	1705.57	1.1	1708.45	3.6	1708.11
08/06/18	0.20	1722.05	0.53	1715.52	0.00	1719.08	0.00	1723.44	0.00	1733.47	0.40	1709.11	2.9	1707.62	1.1	1707.17	1.1	1708.46	3.4	1708.20
08/07/18 ²	0.20	1722.03	0.54	1715.19	0.00	1719.09	0.00	1723.44	0.00	1733.58	0.43	1709.17	3.0	1707.62	1.1	1710.71	1.1	1708.47	3.6	1708.26
08/08/18	0.19	1722.11	0.63	1715.16	0.00	1719.02	0.00	1723.42	0.00	1733.62	0.43	1709.13	2.9	1707.62	1.0	1710.78	1.1	1708.47	3.6	1708.28
08/09/18	0.19	1722.11	0.82	1711.73	0.00	1719.07	0.00	1723.41	0.00	1733.68	0.44	1709.16	2.9	1707.61	1.0	1712.57	1.1	1708.47	3.6	1708.33
08/10/18	0.19	1722.10	0.92	1711.61	0.00	1718.97	0.00	1723.41	0.00	1733.74	0.45	1709.09	2.9	1707.62	1.1	1712.71	1.1	1708.46	3.6	1708.16
08/11/18	0.19	1722.13	1.0	1709.05	0.00	1718.94	0.00	1723.37	0.00	1733.73	0.44	1708.46	2.9	1707.61	1.2	1705.86	1.1	1708.46	3.6	1708.23
08/12/18	0.19	1722.19	1.0	1708.27	0.00	1718.94	0.00	1723.41	0.00	1733.65	0.45	1709.80	3.1	1707.62	1.2	1706.61	1.1	1708.45	3.5	1708.32
08/13/18 ³	0.17	1722.41	0.97	1708.16	0.00	1718.95	0.00	1723.42	0.00	1733.71	0.41	1708.92	2.9	1707.62	1.1	1707.50	1.2	1708.48	3.9	1708.23
08/14/18	0.17	1722.44	0.89	1708.77	0.00	1718.99	0.00	1723.41	0.00	1733.75	0.44	1709.02	2.9	1707.62	1.1	1711.47	1.2	1708.48	3.7	1708.24
08/15/18 ⁴	0.17	1721.98	0.52	1717.79	0.00	1719.23	0.00	1723.42	0.00	1733.79	0.38	1709.08	2.3	1707.62	0.94	1711.99	0.91	1708.58	3.1	1708.28
08/16/18	0.24	1721.26	1.0	1707.19	0.00	1719.09	0.00	1723.40	0.00	1733.85	0.48	1709.12	3.1	1707.62	1.3	1705.60	1.2	1708.48	4.2	1712.00
08/17/18	0.24	1721.14	1.0	1707.95	0.00	1719.04	0.00	1723.40	0.00	1733.91	0.44	1709.06	2.9	1707.62	1.5	1707.52	1.2	1708.46	3.9	1708.86
08/18/18	0.24	1721.19	1.0	1708.19	0.00	1719.04	0.00	1723.41	0.00	1733.95	0.40	1709.13	3.1	1707.62	1.1	1711.30	1.2	1708.46	3.4	1708.61
08/19/18	0.23	1721.21	1.0	1708.31	0.00	1718.89	0.00	1723.41	0.00	1733.98	0.46	1709.08	3.0	1707.62	1.3	1707.78	1.2	1708.46	3.8	1708.28
08/20/18 ⁵	0.22	1721.23	1.0	1707.98	0.00	1719.00	0.00	1723.39	0.00	1734.00	0.40	1709.17	2.9	1707.62	1.2	1705.68	1.1	1708.46	3.5	1708.15
08/21/18	0.20	1721.66	0.75	1712.99	0.02	1719.03	0.00	1723.37	0.00	1734.04	0.45	1708.98	2.9	1707.62	1.6	1706.02	1.1	1708.48	3.3	1707.84
08/22/18 ⁶	0.45	1720.83	1.6	1712.87	0.00	1718.95	0.02	1723.45	0.03	1734.13	0.85	< 1708.00	5.7	1707.62	2.4	1705.87	2.2	1708.30	7.0	1707.92
08/23/18	0.24	1720.81	1.0	1707.05	0.00	1718.91	0.00	1723.47	0.00	1734.11	0.43	1709.05	2.2	1707.62	1.2	1705.45	1.1	1708.30	3.5	1708.21
08/24/18	0.24	1720.83	1.0	1706.97	0.00	1718.90	0.00	1723.46	0.00	1734.12	0.41	1709.11	2.9	1707.62	1.2	1705.58	1.1	1708.90	3.4	1708.13
08/25/18	0.24	1720.84	1.0	1707.87	0.00	1718.89	0.00	1723.45	0.00	1734.14	0.44	1709.57	3.0	1707.62	1.1	1708.40	1.1	1708.30	3.4	1708.10
08/26/18	0.24	1720.87	1.0	1707.06	0.00	1718.88	0.00	1723.45	0.00	1734.17	0.42	1710.18	2.9	1707.61	1.0	1710.78	1.1	1708.30	3.4	1708.43
08/27/18 ⁷	0.24	1721.32	0.57	1707.16	0.00	1718.89	0.00	1723.46	0.00	1734.20	0.43	1709.17	2.9	1707.62	0.66	1713.03	0.22	1708.88	2.3	1708.10
08/28/18	0.24	1720.93	1.0	1708.37	0.00	1718.88	0.00	1723.43	0.00	1734.21	0.43	1709.01	3.0	1707.61	0.66	1717.28	1.1	1708.31	3.4	1708.43
08/29/18	0.24	1721.03	1.0	1708.67	0.00	1718.87	0.00	1723.42	0.00	1734.23	0.43	1709.07	3.0	1707.61	0.67	1717.37	0.85	1712.24	3.4	1708.48
08/30/18	0.24	1721.00	1.0	1707.25	0.00	1718.87	0.00	1723.43	0.00	1734.24	0.42	1709.03	3.0	1707.61	1.2	1713.27	1.1	1708.48	3.4	1708.28
08/31/18	0.23	1721.07	1.0	1707.35	0.00	1718.86	0.00	1723.44	0.00	1734.26	0.41	1708.95	2.9	1707.62	1.2	1705.98	1.1	1712.45	3.4	1708.23
Monthly Average	0.22	1721.56	0.93	1709.45	0.00	1718.96	0.00	1723.43	0.00	1733.77	0.44	1709.11	3.0	1707.62	1.2	1709.04	1.1	1708.72	3.6	1708.37
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	860	8/22/2018	46	8/21/2018	120	8/21/2018	220	8/22/2018	180	8/22/2018	260	8/21/2018	510	8/21/2018	460	8/21/2018	410	8/21/2018	620	8/21/2018
Hexavalent Chromium	0.51	8/22/2018	0.060	8/21/2018	ND	8/21/2018	2.3	8/22/2018	2.0	8/22/2018	0.15	8/21/2018	2.5	8/21/2018	5.1	8/21/2018	6.3	8/21/2018	13	8/21/2018
Total Chromium	1.6	8/22/2018	0.056	8/21/2018	0.013	8/21/2018	2.2	8/22/2018	2.0	8/22/2018	0.16	8/21/2018	2.5	8/21/2018	5.0	8/21/2018	5.8	8/21/2018	12	8/21/2018

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; NO₂-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 1: Analytical results are reported from TestAmerica.
 2: On 08/07, 08/13, 08/20, and 08/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 08/13, the IWF had intermittent flows due to maintenance.
 4: On 08/15, there was a planned plant shutdown from 7:15 am to 1:17 pm which impacted IWF flows.
 5: On 08/22, IWF offline from 09:41 AM to 10:41 AM due to maintenance at GWTP.
 6: On 08/22, IWF optimized to get more flow.
 7: On 08/01, I-AA, I-M, I-O, I-T, and I-U adjusted to meet flow target as directed by the Trust.
 8: On 08/10, I-AA, I-D, I-M, I-N, I-O, I-P, I-R, and I-U adjusted to meet flow target as directed by the Trust.
 9: On 08/29, I-AA, I-D, I-E, and I-N adjusted to meet flow target as directed by the Trust.
 10: 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 the transducer.
 11: On 08/23, I-C off briefly due to instrument error.
 12: On 08/03, I-D and I-N adjusted to meet flow target as directed by the Trust.
 13: On 08/30, I-D, I-E, I-M, I-N, I-P, 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-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 ⁷⁻⁸⁻¹³⁻¹⁴⁻¹⁵⁻¹⁶ (gpm)	Water Elevation (ft amsl)	Flow ⁸⁻⁹⁻¹²⁻¹³⁻¹⁴⁻¹⁵ (gpm)	Water Elevation (ft amsl)	Flow ⁷⁻⁸ (gpm)	Water Elevation (ft amsl)	Flow ⁸⁻¹³⁻¹⁸⁻¹⁹ (gpm)	Water Elevation (ft amsl)
08/01/18	0.15	1710.18	0.85	1709.27	5.0	1721.20	6.2	1712.02	3.5	1709.36	1.2	1711.41	1.9	1716.85	2.6	1712.65	0.49	1720.85	1.9	1709.42
08/02/18	0.15	1710.10	0.86	1709.22	5.0	1721.19	6.2	1712.02	3.5	1709.19	1.2	1711.42	1.8	1716.64	2.5	1713.20	0.60	1720.79	1.9	1709.42
08/03/18	0.14	1710.19	0.97	1709.29	5.1	1721.20	6.2	1712.02	3.5	1709.39	1.2	1711.41	1.9	1716.44	2.5	1712.64	0.59	1720.82	1.9	1709.43
08/04/18	0.14	1710.09	0.89	1709.29	5.1	1721.20	6.2	1712.02	3.5	1709.66	1.2	1711.39	1.7	1716.59	2.5	1713.43	0.55	1720.84	1.8	1709.42
08/05/18	0.14	1710.19	0.87	1709.24	5.0	1721.18	6.2	1712.03	3.5	1709.25	1.2	1711.41	1.6	1717.38	2.4	1713.43	0.52	1720.84	1.7	1709.42
08/06/18	0.14	1710.36	0.89	1709.29	5.1	1721.18	6.2	1712.02	3.5	1709.22	1.2	1711.38	1.4	1717.59	2.3	1714.88	0.43	1720.84	1.8	1709.42
08/07/18 ²	0.14	1710.21	0.92	1709.31	5.0	1721.18	6.2	1712.02	3.5	1709.21	1.2	1711.38	1.4	1717.45	2.3	1714.99	0.49	1720.84	1.8	1709.42
08/08/18	0.14	1710.27	0.91	1709.34	5.0	1721.16	6.2	1712.02	3.5	1709.26	1.2	1711.41	1.5	1717.49	2.2	1715.38	0.52	1720.77	1.8	1709.42
08/09/18	0.14	1710.31	0.90	1709.29	5.0	1721.17	6.2	1712.02	3.5	1709.40	1.2	1711.38	1.6	1717.28	2.2	1715.89	0.55	1720.78	1.7	1709.41
08/10/18	0.14	1710.37	0.90	1709.31	5.0	1721.15	6.1	1712.02	3.5	1709.39	1.2	1711.44	1.7	1717.01	2.4	1712.64	0.73	1718.01	1.7	1709.35
08/11/18	0.14	1710.17	0.89	1709.24	5.1	1721.29	6.1	1712.01	3.5	1710.17	1.2	1711.42	1.8	1716.98	2.6	1712.68	0.97	1718.28	1.6	1709.35
08/12/18	0.14	1710.41	0.97	1709.25	5.2	1721.35	6.1	1712.02	3.5	1709.59	1.2	1711.43	1.5	1717.43	2.5	1713.62	1.3	1720.08	1.7	1709.40
08/13/18 ³	0.17	1710.32	0.92	1709.25	5.0	1721.26	6.3	1712.02	2.6	1709.32	1.2	1711.38	0.99	1717.59	1.1	1717.92	0.97	1719.44	1.7	1709.39
08/14/18	0.13	1710.92	0.90	1709.27	5.1	1721.14	6.2	1712.03	3.5	1709.40	1.2	1711.38	0.98	1718.77	1.1	1718.20	0.96	1717.79	1.6	1709.39
08/15/18 ⁴	0.11	1710.23	0.77	1709.30	3.9	1721.49	5.0	1712.03	2.8	1709.26	0.95	1711.37	0.98	1718.84	1.5	1716.35	0.74	1720.36	1.4	1709.39
08/16/18	0.14	1710.41	1.0	1709.30	5.1	1721.25	6.4	1712.03	3.6	1709.27	1.3	1711.38	1.6	1718.09	2.6	1715.27	1.0	1719.46	1.8	1709.36
08/17/18	0.26	1710.53	1.5	1709.29	5.1	1721.18	6.2	1712.03	3.5	1710.34	1.2	1711.38	1.7	1718.37	2.5	1714.76	0.92	1718.53	1.4	1709.36
08/18/18	0.26	1710.72	0.89	1709.29	5.0	1721.13	6.1	1712.04	3.0	1709.18	1.2	1711.39	1.9	1717.93	2.5	1714.76	0.80	1716.91	1.4	1709.34
08/19/18	0.14	1710.40	0.94	1709.25	5.0	1721.11	6.2	1712.03	3.5	1709.20	1.2	1711.39	1.7	1718.18	2.5	1713.35	1.0	1715.20	1.7	1709.30
08/20/18 ⁵	0.14	1710.23	0.85	1709.29	5.2	1721.09	6.2	1712.02	3.5	1709.89	1.2	1711.37	2.0	1716.76	2.6	1714.52	0.66	1715.20	1.6	1709.41
08/21/18	0.18	1713.73	0.75	1709.22	5.0	1721.07	6.0	1712.02	1.8	1709.93	1.1	1711.37	1.6	1716.99	2.2	1715.02	0.92	1715.21	1.0	1709.34
08/22/18 ⁶	0.22	1710.71	1.6	1709.20	9.9	1721.12	12	1712.05	6.9	1709.22	2.3	1711.39	3.6	1717.05	4.6	1712.69	1.8	1715.74	3.2	1709.19
08/23/18	0.13	1710.90	0.89	1709.20	5.0	1721.07	6.2	1712.05	3.5	1709.87	1.2	1711.37	2.3	1715.18	2.6	1712.73	0.93	1715.23	1.7	1709.18
08/24/18	0.13	1710.57	0.86	1709.20	5.0	1721.06	6.1	1712.05	3.5	1709.19	1.2	1711.38	2.3	1715.38	2.5	1712.66	0.98	1715.35	1.6	1710.49
08/25/18	0.13	1710.32	0.90	1709.19	5.1	1721.05	6.1	1712.05	3.5	1709.79	1.2	1711.38	2.2	1714.79	2.5	1712.67	0.93	1715.23	1.6	1709.48
08/26/18	0.13	1710.20	0.90	1709.18	5.1	1721.05	6.1	1712.05	3.5	1709.59	1.2	1711.38	2.2	1714.39	2.5	1712.66	0.89	1715.25	1.6	1709.49
08/27/18 ⁷	0.24	1710.60	0.89	1709.18	5.1	1721.06	6.1	1712.05	3.4	1709.15	1.0	1711.20	2.1	1715.28	2.3	1714.07	1.1	1715.59	1.7	1709.51
08/28/18	0.13	1710.51	0.89	1709.18	5.1	1721.03	6.1	1712.05	3.5	1709.43	1.1	1711.43	2.1	1715.29	2.3	1714.31	1.0	1715.94	1.7	1709.51
08/29/18	0.13	1710.61	0.90	1709.18	5.1	1721.03	6.1	1712.05	3.5	1709.48	1.2	1711.37	2.1	1715.27	2.2	1712.64	0.99	1715.15	1.8	1709.51
08/30/18	0.13	1710.61	0.90	1709.18	5.0	1721.02	6.1	1712.05	3.5	1709.24	1.2	1711.37	2.0	1714.49	2.5	1712.64	0.91	1715.20	1.8	1709.45
08/31/18	0.13	1710.66	0.89	1709.18	5.1	1721.02	6.1	1712.05	3.5	1710.30	1.2	1711.37	2.0	1715.89	2.5	1713.65	1.1	1719.89	1.7	1709.45
Monthly Average	0.15	1710.52	0.94	1709.25	5.2	1721.15	6.3	1712.03	3.5	1709.49	1.2	1711.38	1.8	1716.76	2.4	1714.07	0.85	1718.11	1.7	1709.43
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	1,000	8/21/2016	790	8/21/2016	690	8/22/2018	270	8/22/2018	220	8/22/2018	340	8/21/2016	560	8/21/2016	485	8/21/2016	690	8/21/2016	1,200	8/21/2016
Hexavalent Chromium	20	8/21/2016	15	8/21/2016	10	8/22/2018	4.0	8/22/2018	2.3	8/22/2018	1.3	8/21/2016	6.3	8/21/2016	6.9	8/21/2016	16	8/21/2016	15	8/21/2016
Total Chromium	19	8/21/2016	13	8/21/2016	9.7	8/22/2018	3.8	8/22/2018	2.3	8/22/2018	1.3	8/21/2016	5.7	8/21/2016	6.6	8/21/2016	15	8/21/2016	15	8/21/2016

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
 - 1: Analytical results are reported from TestAmerica.
 - 2: On 08/07, 08/13, 08/20, and 08/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 - 3: On 08/13, the IWF had intermittent flows due to maintenance.
 - 4: On 08/15, there was a planned plant shutdown from 7:15 am to 1:17 pm which impacted IWF flows.
 - 5: On 08/22, IWF offline from 09:41 AM to 10:41 AM due to maintenance at GWTP.
 - 6: On 08/22, IWF optimized to get more flow.
 - 7: On 08/01, I-AA, I-M, I-O, I-T, and I-U adjusted to meet flow target as directed by the Trust.
 - 8: On 08/10, I-AA, I-D, I-M, I-N, I-O, I-P, I-R, and I-U adjusted to meet flow target as directed by the Trust.
 - 9: On 08/29, I-AA, I-D, I-E, and I-N adjusted to meet flow target as directed by the Trust.
 - 12: On 08/03, I-D and I-N adjusted to meet flow target as directed by the Trust.
 - 13: On 08/30, I-D, I-E, I-M, I-N, I-P, and I-W adjusted to meet flow target as directed by the Trust.
 - 14: On 08/02, I-M, I-N, and I-U adjusted to meet flow target as directed by the Trust.
 - 15: On 08/18, I-M, I-N, I-R, and I-U adjusted to meet flow target as directed by the Trust.
 - 16: On 08/30, new transducer installed in I-M.
 - 17: Duplicates taken on 08/21 for well I-N; average of both values is presented and used for calculations.
 - 18: On 08/24, I-P and I-Y adjusted to meet flow target as directed by the Trust.
 - 19: On 08/25, I-P 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 ^{20 21} (gpm)	Water Elevation (ft amsl)	Flow ¹⁵ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ^{7 8 14 15} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ¹³ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{18 22 23} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation ¹⁹ (ft amsl)
08/01/18	0.04	1719.63	0.75	1709.10	1.8	1706.28	0.45	1709.64	0.72	1710.68	4.3	1717.99	0.67	1711.02	3.2	1698.28	1.3	1700.22	6.9	< 1707.89
08/02/18	0.13	1716.12	0.75	1709.99	1.8	1706.31	0.47	1707.73	0.81	1708.16	4.3	1717.94	0.66	1711.06	3.2	1698.27	1.3	1700.27	7.0	< 1707.89
08/03/18	0.22	1717.47	0.80	1710.96	1.8	1706.13	0.47	1707.74	0.83	1707.58	4.3	1717.96	0.74	1709.13	3.2	1698.28	1.3	1701.22	7.1	< 1707.89
08/04/18	0.27	1716.97	0.73	1709.20	1.8	1706.36	0.47	1707.73	0.83	1707.97	4.3	1717.94	0.68	1709.03	3.2	1698.31	1.3	1700.57	6.9	< 1707.89
08/05/18	0.27	1717.05	0.74	1711.06	1.7	1705.69	0.47	1707.73	0.80	1708.68	4.2	1717.92	0.65	1709.05	3.2	1698.31	1.3	1705.02	6.9	< 1707.89
08/06/18	0.26	1716.93	0.56	1709.48	1.7	1706.08	0.45	1707.73	0.82	1708.15	4.3	1717.91	0.63	1708.83	3.5	1698.33	1.2	1701.63	7.1	< 1707.89
08/07/18 ²	0.26	1716.77	0.77	1711.20	1.7	1705.90	0.46	1707.73	0.82	1707.95	4.3	1717.91	0.63	1708.87	3.2	1698.30	1.3	1700.32	7.0	< 1707.89
08/08/18	0.27	1716.79	0.74	1709.60	1.7	1705.98	0.46	1707.73	0.80	1708.61	4.3	1717.87	0.62	1709.17	3.2	1698.30	1.3	1700.43	6.9	< 1707.89
08/09/18	0.26	1716.76	0.63	1716.72	1.7	1706.03	0.46	1707.74	0.77	1709.50	4.3	1717.86	0.66	1707.83	3.2	1698.27	1.3	1700.29	6.9	< 1707.89
08/10/18	0.26	1716.90	0.53	1711.89	1.8	1705.87	0.46	1707.73	0.79	1708.61	4.3	1717.78	0.66	1708.05	3.2	1698.28	1.3	1700.36	7.0	< 1707.89
08/11/18	0.26	1716.77	0.66	1712.96	1.8	1706.08	0.46	1707.73	0.78	1709.12	4.0	1721.31	0.67	1705.21	3.1	1698.38	1.3	1700.42	7.0	< 1707.89
08/12/18	0.26	1716.32	0.81	1713.31	1.8	1706.12	0.46	1707.72	0.76	1709.61	1.3	1718.27	0.76	1709.70	3.1	1698.37	1.3	1703.97	7.2	< 1707.89
08/13/18 ³	0.27	1716.79	0.74	1713.40	1.8	1706.04	0.46	1707.72	0.54	1713.71	4.3	1718.09	0.67	1709.92	2.8	1698.35	1.2	1700.16	6.9	< 1707.89
08/14/18	0.28	1716.42	0.77	1713.13	1.8	1705.88	0.47	1707.72	0.54	1713.73	4.3	1717.79	0.63	1710.82	3.3	1698.32	1.3	1700.22	7.0	< 1707.89
08/15/18 ⁴	0.21	1716.47	0.50	1716.15	1.5	1705.89	0.38	1707.73	0.39	1714.74	3.3	1718.44	0.54	1710.05	2.7	1698.29	1.0	1700.17	5.8	< 1707.89
08/16/18	0.28	1717.06	0.59	1715.82	1.9	1705.90	0.48	1707.72	0.39	1714.70	4.3	1718.02	0.73	1700.43	3.4	1698.28	1.4	1704.87	7.5	< 1707.89
08/17/18	0.27	1716.77	0.64	1715.51	1.8	1705.85	0.47	1707.73	0.48	1714.82	4.3	1717.85	0.66	1704.48	4.0	1698.32	1.4	1700.61	7.3	< 1707.89
08/18/18	0.28	1716.94	0.91	1715.51	1.8	1705.87	0.48	1707.73	0.77	1709.51	4.3	1717.70	0.62	1706.41	3.9	1698.34	1.3	1700.46	7.4	< 1707.89
08/19/18	0.28	1716.82	0.61	1710.55	1.8	1705.81	0.47	1707.73	0.49	1709.87	4.1	1717.62	0.70	1704.43	3.2	1698.34	1.3	1700.53	7.2	< 1707.89
08/20/18 ⁵	0.28	1716.72	1.1	1711.46	1.8	1705.93	0.47	1707.71	0.94	1710.60	4.5	1717.57	0.60	1700.45	3.2	1698.35	1.3	1700.18	6.7	< 1707.89
08/21/18	0.29	1716.77	0.70	1712.19	1.7	1706.08	0.46	1707.71	0.70	1710.87	4.3	1717.50	0.60	1699.68	3.9	1698.36	1.2	1700.18	6.5	< 1707.89
08/22/18 ⁶	0.54	1716.78	1.5	1710.80	3.5	1705.98	0.92	1707.63	1.5	1707.44	8.5	1717.63	1.3	1699.62	6.2	1698.40	2.5	1700.15	14	< 1707.89
08/23/18	0.28	1716.64	0.96	1709.52	1.8	1705.93	0.46	1707.60	0.82	1708.17	4.3	1717.53	0.62	1700.40	3.1	1698.33	1.3	1702.75	7.2	< 1707.89
08/24/18	0.28	1716.70	0.90	1710.15	1.8	1706.00	0.46	1707.61	0.80	1708.64	4.3	1717.49	0.60	1700.25	3.1	1698.39	1.2	1702.15	6.9	< 1707.89
08/25/18	0.28	1716.32	0.89	1710.81	1.7	1705.98	0.46	1707.63	0.78	1709.26	4.3	1717.42	0.66	1700.01	3.1	1698.34	1.3	1701.51	6.9	< 1707.89
08/26/18	0.28	1716.05	0.76	1710.04	1.7	1706.13	0.46	1707.60	0.76	1709.27	4.2	1717.41	0.67	1699.71	3.1	1698.39	1.3	1702.82	7.0	< 1707.89
08/27/18 ⁷	0.28	1716.57	0.76	1710.91	1.7	1705.86	0.44	1707.61	0.78	1708.85	4.3	1717.51	0.29	1704.73	2.8	1698.34	1.4	1700.02	6.3	< 1707.89
08/28/18	0.28	1716.68	0.78	1710.37	1.7	1705.90	0.46	1707.61	0.77	1709.02	4.3	1717.42	0.34	1719.37	3.1	1698.33	1.3	1699.94	7.2	< 1707.89
08/29/18	0.28	1716.67	0.98	1710.60	1.7	1705.88	0.46	1707.61	0.77	1708.94	4.3	1717.39	0.40	1719.43	3.1	1698.39	1.3	1699.87	7.1	< 1707.89
08/30/18	0.28	1716.70	1.0	1710.60	1.7	1705.92	0.45	1707.61	0.77	1709.15	4.3	1717.37	0.43	1719.46	3.1	1698.39	1.3	1700.16	6.9	< 1707.89
08/31/18	0.36	1714.52	0.94	1710.91	1.7	1705.89	0.46	1707.61	0.76	1709.36	4.3	1717.32	0.52	1714.88	3.1	1698.35	1.3	1699.55	6.8	< 1707.89
Monthly Average	0.27	1716.74	0.79	1711.74	1.8	1705.99	0.47	1707.75	0.75	1709.85	4.3	1717.86	0.63	1707.47	3.3	1698.33	1.3	1701.00	7.2	< 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	610	8/21/2018	670	8/21/2018	400	8/21/2018	1,100	8/21/2018	1,100	8/21/2018	730	8/22/2018	650	8/21/2018	730	8/21/2018	610	8/21/2018	330	8/22/2018
Hexavalent Chromium	16	8/21/2018	0.69	8/21/2018	1.6	8/21/2018	20	8/21/2018	18	8/21/2018	14	8/22/2018	16	8/21/2018	9.5	8/21/2018	1.1	8/21/2018	8.6	8/22/2018
Total Chromium	15	8/21/2018	0.66	8/21/2018	1.6	8/21/2018	19	8/21/2018	17	8/21/2018	14	8/22/2018	16	8/21/2018	8.7	8/21/2018	1.1	8/21/2018	8.2	8/22/2018

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 08/07, 08/13, 08/20, and 08/27, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
 3: On 08/13, the IWF had intermittent flows due to maintenance.
 4: On 08/15, there was a planned plant shutdown from 7:15 am to 1:17 pm which impacted IWF flows.
 5: On 08/22, IWF offline from 09:41 AM to 10:41 AM due to maintenance at GWTP.
 6: On 08/22, IWF optimized to get more flow.
 7: On 08/01, I-AA, I-M, I-O, I-T, and I-U adjusted to meet flow target as directed by the Trust.
 8: On 08/10, I-AA, I-D, I-M, I-N, I-O, I-P, I-R, and I-U adjusted to meet flow target as directed by the Trust.
 10: 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 the transducer.
 13: On 08/30, I-D, I-E, I-M, I-N, I-P, and I-W adjusted to meet flow target as directed by the Trust.
 14: On 08/02, I-M, I-N, and I-U adjusted to meet flow target as directed by the Trust.
 15: On 08/18, I-M, I-N, I-R, and I-U adjusted to meet flow target as directed by the Trust.
 18: On 08/24, I-P and I-Y adjusted to meet flow target as directed by the Trust.
 20: On 08/01, I-Q repaired and online.
 21: On 08/31, I-Q offline briefly due to maintenance.
 22: On 08/06, I-Y offline briefly due to instrument error.
 23: On 08/23, I-Y adjusted to meet flow target as directed by the Trust.

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 ^{4,5,6} (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)
08/01/18	935	58	0.25	ND	720	0.00				1,012		109	140			
08/02/18	925	58				0.00				1,016		116				
08/03/18	926	58				0.00				1,032		109				
08/04/18	923	57				0.00				1,039	110	114				
08/05/18	925	57				0.00				1,014		117				
08/06/18	896	57				0.00				969		116		12	0.0072	0.0079
08/07/18 ³	838	57				0.00				930		122				
08/08/18	934	57	0.25	ND	590	0.00				996		90				
08/09/18	927	57				0.00				1,007		117				
08/10/18	926	58				0.00				1,016		94				
08/11/18	904	58				0.00				981	92	120				
08/12/18	920	56				0.00				991		117				
08/13/18 ³	811	57				0.00				895		105		11	0.022	0.022
08/14/18	957	47				0.00				1,036		105				
08/15/18	895	45				203				970		112				
08/16/18	934	59	0.21	ND	670	0.00				1,030		104				
08/17/18	930	59				0.00				1,021		119				
08/18/18	929	59				0.00				1,020	110	115				
08/19/18	925	59				0.00				987		92				
08/20/18 ³	790	58				4.0	0.37	0.021	52	876		101		9.6	0.034	0.014
08/21/18	930	58				0.00				990		105				
08/22/18	932	56	0.44	ND F1	510	0.00				1,001		108				
08/23/18	930	56				0.00				994		122				
08/24/18	930	57				0.00				1,047		113				
08/25/18	929	57				0.00				1,035	110	114				
08/26/18	927	56				0.00				1,017		121				
08/27/18 ³	1,013	55				0.00				1,098		120				
08/28/18	934	56				0.00				1,044		110		9.7	0.025	0.021
08/29/18	940	56	0.14	ND	670	0.00				1,031		110				
08/30/18	931	56				0.00				1,021		113				
08/31/18	930	56				0.00				1,036		114				
Monthly Average ²	919	57	0.26	ND	622	6.7	0.37	0.021	52	1,005	106	111	140	11	0.021	0.016

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).
- F1 = MS and/or MSD Recovery is outside acceptance limits.
- 1: ETI = Envirogen internal process control data, TA = TestAmerica data.
- 2: All average concentrations reported are monthly flow weighted averages.
- 3: On 08/07, 08/13, 08/20, and 08/27, the LS #2 totalizers 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 08/01 to 08/31 due to FBR plant influent strainers clogging, except for monthly sampling and the planned FBR plant shutdown.
- 5: On 08/15, FBR plant offline from 07:15 AM to 1:28 PM due to planned shutdown.
- 6: From 08/01 to 08/31, 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 ⁷			2nd Stage FBR ⁷			FBR Plant Effluent ¹							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁸ (gpm)	TA - ClO ₂ (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)
08/01/18	1,082	6.9	-388	862	6.7	-378	1,045		ND	ND				2
08/02/18	1,101	7.3	-429	900	6.8	-403	1,053		ND					5
08/03/18	1,137	7.1	-428	961	6.7	-401	1,096		ND					3
08/04/18	1,112	7.1	-429	906	6.7	-402	1,089	ND	ND					6
08/05/18	1,051	7.1	-431	767	6.7	-402	1,061		ND					6
08/06/18	1,100	7.5	-420	892	6.8	-403	817				0.0031 J	ND	ND	10
08/07/18	1,066	7.1	-424	936	6.8	-403	1,076							6
08/08/18	1,071	7.2	-425	835	6.8	-404	815							7
08/09/18	1,100	7.1	-419	856	6.8	-403	823							3
08/10/18	1,089	7.0	-422	901	6.7	-402	797							2
08/11/18	978	7.0	-420	768	6.8	-403	1,043	0.021	ND					3
08/12/18	1,061	7.1	-429	763	6.8	-400	764		ND					1
08/13/18	1,102	7.4	-401	825	6.8	-401	1,041				0.0039 J	ND	ND	12
08/14/18	1,112	6.7	-377	864	6.8	-400	1,055							4
08/15/18	1,108	6.8	-360	887	6.8	-340	894							8
08/16/18	1,083	6.7	-379	864	6.8	-353	1,079							5
08/17/18	1,072	6.7	-390	872	6.8	-365	1,060							5
08/18/18	1,061	6.7	-378	849	6.8	-377	1,060	ND	ND					6
08/19/18	1,038	6.7	-322	844	6.8	-385	750		ND					4
08/20/18	1,072	6.7	-367	904	6.8	-399	1,048				0.0032 J	ND	0.61 J	3
08/21/18	1,037	6.7	-271	811	6.8	-402	1,028							5
08/22/18	1,074	6.7	-364	911	6.8	-400	746							8
08/23/18	1,063	6.6	-323	885	6.6	-313	1,045							2
08/24/18	1,134	6.6	-345	889	6.7	-327	1,093							10
08/25/18	1,088	6.6	-363	877	6.7	-336	1,090	ND	ND					10
08/26/18	1,075	6.6	-375	813	6.7	-342	1,064							10
08/27/18	1,071	6.6	-383	898	6.7	-346	801				0.0031 J	ND	ND	12
08/28/18	1,112	6.6	-397	929	6.7	-353	1,084							9
08/29/18	1,054	6.6	-400	775	6.7	-357	1,062							14
08/30/18	1,113	6.6	-388	877	6.7	-358	1,050							5
08/31/18	1,120	6.6	-386	795	6.7	-362	806							7
Monthly Average ²	1,082	6.9	-388	862	6.7	-378	979	0.0044	ND	ND	0.0033	ND	0.14	6

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).

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.

7: 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.

8: 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)
08/15/18	31.7	34.4
08/31/18	31.4	34.8

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ¹ (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
08/14/18	4	2,284	1,050	47
08/28/18	8	1,715	707	25

GW-11 Composite Sample ²		
Analytes	Concentration	Units
Perchlorate	1.4	mg/L
Chlorate	1600	mg/L
Ammonia as N	0.12 J	mg/L
Total Phosphorus	ND	mg/L
Total Dissolved Solids (TDS)	10,000	mg/L
Total Suspended Solids (TSS)	42	mg/L
pH	8.4 HF	s.u.
Calcium	440	mg/L
Iron	0.42	mg/L
Chromium (total)	0.046	mg/L
Chromium VI	ND	mg/L
Chloride	3,200	mg/L
Nitrate as N	ND	mg/L
Sulfate	2,700	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: 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 is collected quarterly, most recent sampling results are presented. Sampled on: August 13, 2018.

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)		
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
Apr 2018	1,079	91	13	120	624	945
May 2018	1,044	116	12	150	719	894
June 2018	1,037	133	11	160	765	843
July 2018	1,028	113	11	150	691	788
Aug 2018	1,005	106	11	140	633	711

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 on March 13, 2018 to prepare for the lower seasonal ammonia permit limits beginning April 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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
08/01/18	2.4	1711.37	1.1	1709.75	0.50	1710.92	0.80	1714.92	1.2	1713.48	1.2	1714.76	1.3	1715.71	0.37	1714.22
08/02/18	2.4	1711.63	1.1	1709.78	0.51	1710.98	0.80	1714.99	1.2	1713.61	1.2	1714.64	1.3	1715.81	0.36	1714.11
08/03/18	2.3	1711.58	1.1	1710.84	0.50	1710.92	0.79	1715.32	1.2	1714.16	1.2	1715.00	1.2	1715.91	0.35	1715.76
08/04/18	2.3	1711.68	1.1	1710.86	0.51	1711.20	0.76	1714.92	1.2	1714.54	1.2	1714.89	1.2	1715.31	0.36	1715.21
08/05/18	2.3	1711.56	1.1	1709.58	0.51	1710.61	0.75	1716.27	1.2	1714.11	1.2	1715.22	1.2	1716.08	0.36	1714.44
08/06/18	2.3	1711.53	1.0	1711.18	0.52	1710.62	0.75	1716.32	1.2	1714.37	1.2	1715.45	1.2	1716.42	0.36	1714.85
08/07/18	2.3	1712.42	1.1	1711.12	0.53	1710.56	0.84	1714.54	1.2	1714.33	1.2	1715.48	1.2	1716.63	0.36	1714.57
08/08/18	2.3	1711.92	1.1	1710.82	0.51	1710.46	0.85	1711.94	1.2	1714.02	1.2	1713.07	1.3	1715.53	0.36	1714.14
08/09/18	2.3	1712.43	1.1	1710.78	0.54	1710.38	0.85	1712.27	1.2	1714.12	1.2	1715.15	1.3	1715.91	0.32	1715.44
08/10/18	2.3	1710.66	1.1	1710.94	0.52	1710.53	0.86	1713.11	1.2	1714.37	1.2	1714.53	1.4	1714.25	0.33	1714.74
08/11/18	2.4	1711.58	1.1	1711.09	0.52	1710.85	0.85	1711.81	1.2	1713.74	1.2	1714.32	1.4	1714.30	0.33	1715.12
08/12/18	2.3	1711.74	1.1	1710.81	0.52	1710.91	0.85	1712.07	1.2	1714.00	1.2	1715.03	1.3	1714.62	0.34	1714.87
08/13/18	2.3	1712.42	1.1	1710.75	0.50	1710.98	0.85	1712.43	1.2	1713.73	1.2	1714.66	1.3	1714.83	0.34	1714.88
08/14/18	2.3	1712.32	1.1	1710.86	0.52	1711.04	0.86	1712.42	1.2	1714.07	1.2	1714.26	1.3	1715.02	0.34	1714.92
08/15/18	2.3	1712.29	1.10	1710.89	0.52	1711.01	0.85	1712.63	1.2	1713.92	1.1	1715.25	1.3	1714.51	0.34	1714.47
08/16/18	1.9	1711.43	0.81	1712.16	0.45	1710.73	0.61	1715.53	0.90	1715.50	0.86	1717.15	0.85	1717.91	0.02	1727.31
08/17/18	2.5	1711.02	1.1	1711.50	0.54	1710.95	0.04	1716.22	1.2	1713.90	1.2	1716.00	1.2	1716.38	0.41	1714.24
08/18/18	2.4	1711.09	1.1	1711.34	0.53	1711.03	0.78	1714.54	1.2	1714.21	1.2	1715.79	1.2	1716.53	0.43	1714.58
08/19/18	2.4	1711.13	1.1	1711.00	0.52	1711.47	0.59	1715.40	1.3	1714.50	1.2	1715.48	1.3	1716.93	0.43	1714.37
08/20/18	2.4	1711.49	1.1	1711.28	0.52	1710.65	0.57	1718.82	1.2	1713.52	1.2	1714.54	1.3	1715.23	0.42	1707.72
08/21/18	2.3	1711.63	1.1	1711.16	0.52	1710.61	0.65	1717.62	1.2	1714.72	1.2	1715.50	1.2	1717.08	0.01	1722.72
08/22/18	2.3	1711.52	1.1	1711.10	0.52	1710.52	0.81	1715.21	1.2	1714.30	1.2	1714.84	1.3	1714.29	0.41	1711.92
08/23/18	2.3	1711.51	0.97	1712.07	0.52	1710.81	0.73	1715.74	1.2	1713.32	1.1	1715.60	1.2	1715.75	0.38	1712.72
08/24/18	2.4	1711.38	1.2	1711.94	0.52	1711.24	0.83	1714.92	1.3	1713.54	1.2	1714.41	1.3	1715.48	0.39	1712.24
08/25/18	2.3	1711.63	1.2	1709.51	0.51	1710.83	0.85	1710.77	1.3	1712.99	1.2	1715.14	1.3	1714.83	0.39	1712.70
08/26/18	2.3	1711.63	1.2	1709.51	0.52	1710.87	0.85	1711.12	1.2	1712.02	1.2	1711.15	1.4	1712.26	0.39	1712.22
08/27/18	2.3	1711.54	1.2	1709.56	0.51	1710.81	0.88	1708.57	0.98	1715.82	1.2	1714.86	1.4	1712.51	0.38	1713.43
08/28/18	2.3	1711.33	1.1	1710.31	0.49	1710.61	0.85	1713.31	1.2	1714.20	0.79	1721.21	1.0	1719.81	0.05	1724.11
08/29/18	2.3	1711.46	1.2	1710.36	0.48	1710.65	0.88	1710.62	1.3	1713.23	0.99	1717.35	1.4	1712.52	0.45	1707.52
08/30/18	2.3	1711.39	1.2	1710.35	0.46	1710.68	0.75	1716.22	1.3	1712.92	0.97	1717.71	1.4	1712.62	0.17	1718.47
08/31/18	2.3	1711.63	1.1	1709.81	0.46	1710.77	0.83	1714.57	1.3	1713.27	0.95	1718.15	1.3	1715.71	0.37	1714.87
Monthly Average	2.3	1711.61	1.1	1710.74	0.51	1710.81	0.77	1714.03	1.2	1713.96	1.1	1715.37	1.3	1715.38	0.33	1714.93
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 (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	660	8/16/2018	1,600	8/16/2018	880	8/16/2018	150	8/16/2018	530	8/16/2018	930	8/16/2018	1,200	8/16/2018	2,000	8/16/2018
Hexavalent Chromium	0.040	8/16/2018	0.14	8/16/2018	0.33	8/16/2018	0.031	8/16/2018	0.029	8/16/2018	0.026	8/16/2018	0.027	8/16/2018	0.081	8/16/2018
Total Chromium	0.044	8/16/2018	0.16	8/16/2018	0.34	8/16/2018	0.033	8/16/2018	0.031	8/16/2018	0.028	8/16/2018	0.030	8/16/2018	0.086	8/16/2018

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 The flow rate at individual wells is adjusted daily to maintain the water level in the wells above the pump.
 1: Analytical results are reported from TestAmerica.
 2: Duplicates taken on 08/16 for well E2-2; average of both values is presented and used for calculations.

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

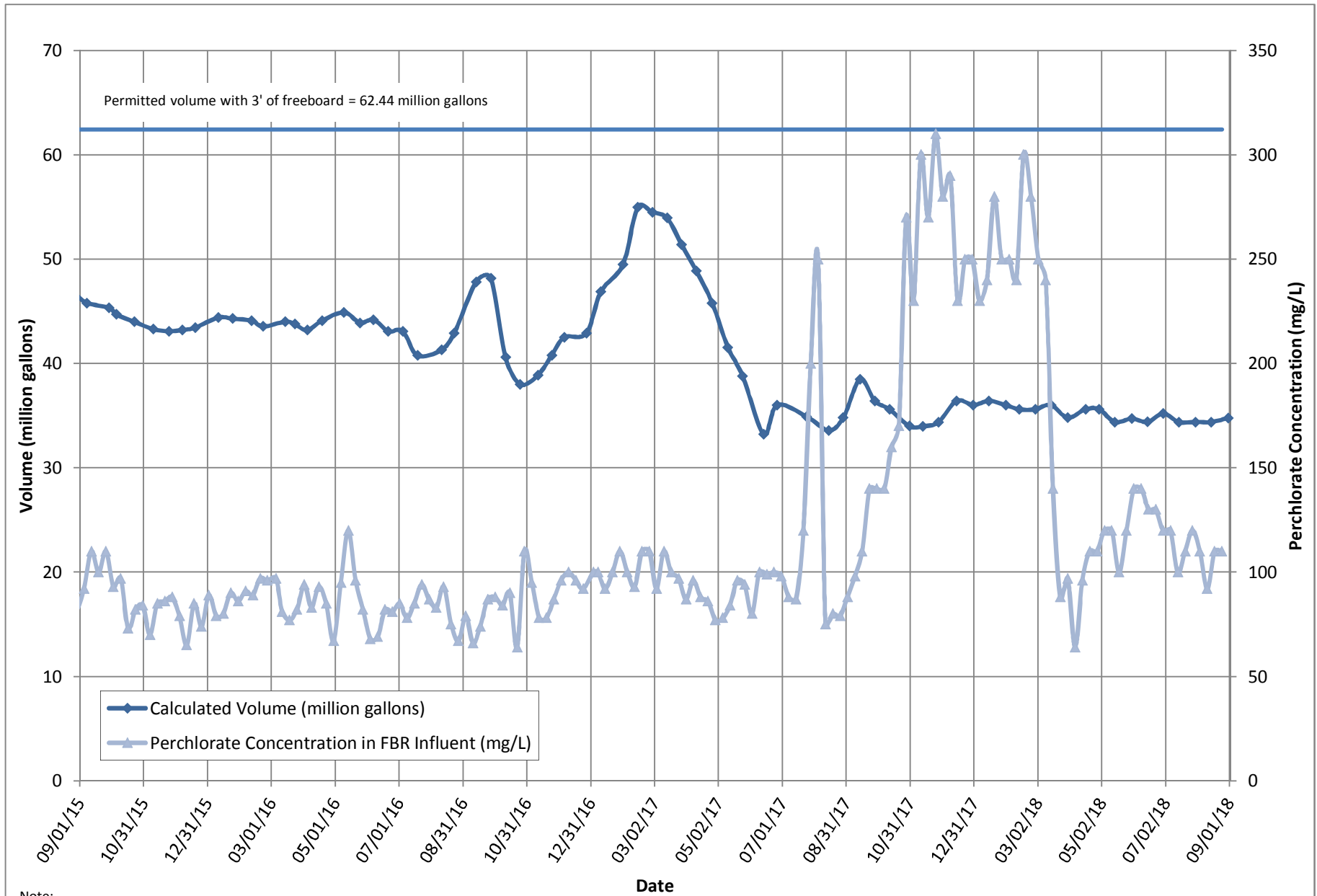


Figure 2 - FBR Equivalent Loading Calculation

