Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																			
Date	LS #1	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)	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)
11/01/18	583	168	1537.07	87	1542.07	131	1542.46	116	1537.72	59	1546.66	102	1548.05	51	1549.21	19	1550.21	10	1522.26
11/02/18	583	168	1537.05	87	1543.00	131	1542.46	116	1537.70	58	1546.67	101	1548.05	51	1549.21	19	1550.21	9.7	1522.20
11/03/18	581	168	1537.03	88	1542.18	131	1542.43	116	1537.67	58	1546.63	102	1548.03	51	1549.19	19	1550.19	10	1522.20
11/04/18	604	168	1537.02	83	1541.74	131	1542.44	116	1537.67	59	1546.65	102	1548.03	51	1549.19	20	1550.19	10	1552.29
11/05/18[2]	537	168	1536.99	83	1541.65	131	1542.42	116	1537.63	59	1546.63	102	1548.01	51	1549.17	19	1550.17	10	1522.25
11/06/18	584	167	1536.96	88	1542.10	131	1542.39	116	1537.60	58	1546.61	101	1547.99	51	1549.15	19	1550.15	9.7	1522.38
11/07/18	581	167	1536.95	86	1542.06	130	1542.33	115	1537.61	58	1546.60	101	1547.91	50	1549.01	19	1550.14	10	1522.33
11/08/18	599	161	1537.08	84	1541.61	125	1542.37	111	1537.81	56	1546.58	97	1547.94	49	1549.01	18	1550.13	9.6	1523.23
11/09/18	584	167	1537.02	87	1541.29	131	1542.34	115	1537.76	59	1546.60	101	1547.92	51	1549.00	19	1550.13	9.7	1523.18
11/10/18	581	168	1537.01	88	1541.49	131	1542.35	116	1537.74	58	1546.58	102	1547.92	51	1549.00	19	1550.13	10	1523.13
11/11/18	580	169	1536.98	87	1540.27	131	1542.32	116	1537.71	59	1546.58	102	1547.90	51	1548.98	20	1550.10	9.8	1522.95
11/12/18[2]	561	167	1536.96	90	1540.56	131	1542.30	116	1537.69	58	1546.54	102	1547.89	51	1548.97	19	1550.09	10	1522.95
11/13/18	584	165	1536.96	85	1541.17	129	1542.31	116	1537.63	57	1546.55	100	1547.90	51	1548.98	19	1550.10	9.6	1523.02
11/14/18	584	168	1536.96	86	1541.21	131	1542.33	116	1537.69	58	1546.56	102	1547.91	51	1548.99	19	1550.11	10	1522.93
11/15/18	588	168	1536.95	86	1540.66	131	1542.31	116	1537.68	59	1546.56	102	1547.91	51	1548.99	19	1550.11	9.7	1522.94
11/16/18	586	168	1536.94	85	1540.45	131	1542.30	115	1537.67	58	1546.56	101	1547.90	51	1548.98	19	1550.09	10	1522.97
11/17/18	582	167	1536.92	86	1540.98	130	1542.30	116	1537.64	58	1546.55	101	1547.88	51	1548.96	19	1550.07	9.7	1522.84
11/18/18	582	168	1536.90	86	1540.82	131	1542.27	116	1537.62	58	1546.53	102	1547.87	52	1548.94	19	1550.06	10	1522.72
11/19/18	582	169	1536.90	86	1540.83	132	1542.29	117	1537.63	59	1546.52	102	1547.87	51	1548.94	20	1550.06	9.8	1522.81
11/20/18[2]	558	168	1536.88	84	1541.15	131	1542.26	116	1537.60	59	1546.52	102	1547.85	51	1548.93	19	1550.05	9.9	1523.06
11/21/18	585	168	1536.88	87	1540.51	131	1542.27	116	1537.60	58	1546.51	101	1547.86	51	1548.94	19	1550.06	9.7	1522.80
11/22/18	585	167	1536.87	86	1540.76	131	1542.25	116	1537.59	59	1546.51	101	1547.85	51	1548.93	19	1550.05	10	1522.73
11/23/18	584	166	1536.88	86	1540.91	129	1542.27	114	1537.60	58	1546.53	101	1547.87	50	1548.96	19	1550.07	9.6	1522.80
11/24/18	586	168	1536.86	86	1540.70	131	1542.27	116	1537.58	58	1546.52	102	1547.86	51	1548.94	19	1550.06	9.7	1522.64
11/25/18	585	168	1536.86	87	1540.69	131	1542.26	116	1537.57	59	1546.53	102	1547.87	51	1548.95	20	1550.07	10	1522.60
11/26/18[2]	559	167	1536.87	84	1540.45	131	1542.28	116	1537.58	58	1546.56	102	1547.88	51	1548.97	19	1550.09	9.8	1522.67
11/27/18	584	172	1536.90	89	1540.79	134	1542.31	119	1537.60	60	1546.57	102	1547.91	53	1549.00	20	1550.12	10	1522.62
11/28/18	568	165	1536.92	85	1541.12	128	1542.33	114	1537.62	57	1546.60	100	1547.94	50	1549.02	19	1550.15	10	1522.74
11/29/18	570	166	1536.94	86	1540.64	130	1542.35	115	1537.63	58	1546.63	101	1547.96	50	1549.04	19	1550.17	9.7	1522.69
11/30/18	570	169	1536.92	88	1540.01	132	1542.34	117	1537.61	59	1546.63	102	1547.95	51	1549.03	20	1550.16	10	1523.51
Monthly Average	579	167	1536.95	86	1541.13	130	1542.33	116	1537.65	58	1546.58	101	1547.92	51	1549.02	19	1550.12	10	1523.75
Analytical[1]		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[3] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		11	11/7/2018	13	11/7/2018	9.3	11/7/2018	5.7	11/7/2018	5.5	11/7/2018	1.2	11/7/2018	0.043	11/7/2018	0.032	11/7/2018	1.1	11/7/2018
Hexavalent Chromium		0.0032	11/7/2018	0.00031 J	11/7/2018	ND	11/7/2018	0.0034	11/7/2018	ND	11/7/2018	ND	11/7/2018	ND	11/7/2018	ND	11/7/2018	ND	11/7/2018
Total Chromium		0.0046 J	11/7/2018	ND	11/7/2018	ND	11/7/2018	0.0042 J	11/7/2018	ND	11/7/2018	ND	11/7/2018	ND	11/7/2018	ND	11/7/2018	ND	11/7/2018

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 11/05, 11/12, 11/20, and 11/26, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

3: Duplicates taken on 11/07 for well PC-118; average of both values is presented and used for calculations.

Table Updated: 12/14/2018

Table 2 - Athens Well Field (AWF) Operational Metrics

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																	
Date	LS #3 Flow (gpm)	ART-1/1A Flow (gpm)	ART-1/1A Water Elevation (ft amsl)	ART-2/2A Flow (gpm)	ART-2/2A Water Elevation (ft amsl)	ART-3/3A Flow (gpm)	ART-3/3A Water Elevation (ft amsl)	ART-4/4A Flow (gpm)	ART-4/4A Water Elevation (ft amsl)	ART-9 Flow (gpm)	ART-9 Water Elevation (ft amsl)	ART-7A/7B Flow (gpm)	ART-7A/7B Water Elevation (ft amsl)	ART-8/8A Flow (gpm)	ART-8/8A Water Elevation (ft amsl)	PC-150 Flow[4] (gpm)	PC-150 Water Elevation (ft amsl)
11/01/18	410	39	1583.31	151	1582.08	21	1583.62	2.8	1579.20	62	1580.95	19	1584.55	180	1583.11	1.5	1576.31
11/02/18	410	38	1583.31	151	1582.09	20	1583.63	3.5	1579.20	63	1580.88	19	1584.56	181	1583.12	1.5	1576.31
11/03/18	410	39	1583.28	151	1582.06	19	1583.61	2.8	1579.20	62	1580.82	19	1584.56	181	1583.10	1.5	1576.31
11/04/18	427	40	1583.27	158	1582.04	21	1583.60	3.5	1579.20	65	1580.79	20	1584.56	189	1583.08	1.5	1576.31
11/05/18[2]	428	38	1583.24	154	1582.01	17	1583.58	3.2	1579.19	63	1580.72	23	1584.56	179	1583.06	1.5	1576.31
11/06/18	409	39	1583.21	151	1581.99	19	1583.57	3.5	1579.19	62	1580.67	19	1584.52	180	1583.03	1.5	1576.32
11/07/18	407	39	1583.19	151	1581.96	19	1583.55	2.8	1579.20	62	1580.58	19	1584.52	180	1583.02	1.5	1576.46
11/08/18	406	38	1583.16	151	1581.94	20	1583.53	3.4	1579.19	62	1580.68	18	1584.51	180	1582.99	1.5	1576.46
11/09/18	408	39	1583.14	151	1581.92	19	1583.52	2.8	1579.19	62	1580.60	18	1584.52	181	1582.97	1.5	1576.34
11/10/18	407	38	1583.12	151	1581.90	19	1583.50	2.8	1579.19	62	1580.45	19	1584.52	182	1582.96	1.5	1576.31
11/11/18	407	38	1583.12	152	1581.90	19	1583.50	2.8	1579.19	62	1580.45	19	1584.52	183	1582.96	1.5	1576.31
11/12/18[2]	421	38	1583.07	150	1581.85	21	1583.47	2.9	1579.19	61	1580.50	20	1584.48	182	1582.92	1.5	1576.30
11/13/18	405	38	1583.40	151	1582.06	19	1583.63	3.4	1579.24	62	1580.32	18	1584.16	180	1582.92	1.5	1576.32
11/14/18	405	38	1583.38	150	1582.05	19	1583.63	2.8	1579.24	62	1580.18	18	1584.16	180	1582.91	1.5	1576.32
11/15/18	404	38	1583.37	150	1582.03	19	1583.62	2.8	1579.23	62	1580.05	18	1584.16	180	1582.89	1.5	1576.33
11/16/18	406	38	1583.35	151	1582.01	19	1583.60	2.8	1579.23	63	1579.93	19	1584.16	181	1582.88	1.5	1576.32
11/17/18	405	39	1583.33	151	1582.00	19	1583.59	2.8	1579.23	62	1579.82	18	1584.13	181	1582.86	1.5	1576.32
11/18/18	405	38	1583.31	151	1581.98	19	1583.58	2.8	1579.23	63	1579.73	18	1584.13	181	1582.85	1.5	1576.32
11/19/18	404	38	1583.30	151	1581.97	18	1583.57	2.8	1579.23	62	1579.65	18	1584.13	181	1582.84	1.5	1576.32
11/20/18[2]	493	38	1583.28	149	1581.95	20	1583.56	2.9	1579.23	64	1579.52	17	1584.13	177	1582.82	1.5	1576.32
11/21/18	403	38	1583.27	151	1581.94	19	1583.56	2.8	1579.23	62	1579.45	18	1584.11	180	1582.82	1.5	1576.31
11/22/18	402	38	1583.26	151	1581.93	18	1583.55	3.5	1579.23	62	1579.28	18	1584.11	180	1582.80	1.5	1576.31
11/23/18	402	38	1583.25	150	1581.92	19	1583.54	2.8	1579.23	62	1579.20	18	1584.08	180	1582.80	1.5	1576.32
11/24/18	403	38	1583.23	151	1581.91	18	1583.53	2.8	1579.23	61	1578.96	18	1584.08	181	1582.79	1.5	1576.31
11/25/18	403	38	1583.23	151	1581.90	19	1583.53	2.8	1579.23	62	1579.02	18	1584.08	180	1582.78	1.5	1576.31
11/26/18[2]	492	38	1583.22	149	1581.90	21	1583.52	2.8	1579.22	61	1579.91	19	1584.08	182	1582.78	1.5	1576.31
11/27/18	402	38	1583.22	151	1581.90	19	1583.52	2.9	1579.23	61	1578.96	18	1584.11	180	1582.78	1.5	1576.31
11/28/18	400	38	1583.22	150	1581.89	18	1583.52	2.7	1579.23	61	1578.92	18	1584.11	180	1582.77	1.5	1576.31
11/29/18	401	38	1583.21	151	1581.89	18	1583.52	2.8	1579.22	61	1578.86	18	1584.08	180	1582.77	1.5	1576.31
11/30/18	402	38	1583.20	150	1581.88	19	1583.51	2.8	1579.23	62	1578.60	17	1584.08	181	1582.76	1.5	1576.31
Monthly Average	413	38	1583.25	151	1581.96	19	1583.56	2.9	1579.22	62	1579.95	19	1584.28	181	1582.90	1.5	1576.32
Analytical[1]		Conc[3] (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		25	11/13/2018	13	11/13/2018	200	11/13/2018	140	11/13/2018	210	11/13/2018	94	11/13/2018	90	11/13/2018	68	11/13/2018
Hexavalent Chromium		ND F1	11/13/2018	0.0083	11/13/2018	0.38	11/13/2018	0.18	11/13/2018	0.65	11/13/2018	0.54	11/13/2018	0.11	11/13/2018	0.045	11/13/2018
Total Chromium		0.0017 J	11/13/2018	0.0060	11/13/2018	0.32	11/13/2018	0.15	11/13/2018	0.61	11/13/2018	0.48	11/13/2018	0.090	11/13/2018	0.050	11/13/2018

Notes:

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

ND = Not detected above laboratory method detection limit (ClO_4 = 0.5 ug/L; ClO_3 = 10 ug/L; NO_3-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.

F1 = MS and/or MSD Recovery is outside acceptance limits.

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 11/05, 11/12, 11/20, and 11/26, 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: Duplicates taken on 11/13 for well ART-1A; average of both values is presented and used for calculations.

4: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 11/01-11/30 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Table Updated: 12/14/2018

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I 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[3] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[4] (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[5] (ft amsl)	Flow[6] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
11/01/18	0.18	1722.68	1.0	1707.23	0.00	1719.02	0.00	1723.57	0.00	1730.74	0.46	1709.20	3.2	1707.60	1.2	1705.59	1.2	1708.42	3.5	1708.78
11/02/18	0.18	1722.74	1.0	1707.27	0.00	1719.03	0.00	1723.59	0.00	1730.73	0.46	1709.20	3.2	1707.61	1.2	1705.57	1.2	1708.42	3.5	1708.78
11/03/18	0.17	1722.78	1.0	1707.30	0.00	1719.02	0.00	1723.55	0.00	1730.70	0.46	1709.20	3.2	1707.60	1.2	1705.56	1.2	1708.41	3.5	1708.78
11/04/18	0.18	1722.86	1.0	1707.26	0.00	1719.02	0.00	1723.59	0.00	1730.69	0.48	1709.19	3.3	1707.60	1.2	1705.60	1.1	1708.42	3.6	1708.78
11/05/18[2]	0.18	1722.81	1.0	1707.31	0.00	1719.02	0.00	1723.58	0.00	1730.67	0.48	1709.19	3.3	1707.60	1.1	1705.63	1.2	1708.41	3.7	1708.79
11/06/18	0.17	1722.84	1.0	1707.27	0.00	1719.02	0.00	1723.55	0.00	1730.65	0.46	1709.19	3.2	1707.60	1.2	1705.53	1.2	1708.41	3.5	1708.78
11/07/18	0.17	1722.89	1.0	1707.27	0.00	1719.02	0.00	1723.54	0.00	1730.64	0.46	1709.19	3.2	1707.60	1.2	1705.57	1.2	1708.42	3.5	1708.78
11/08/18	0.18	1722.86	1.0	1707.27	0.00	1719.04	0.00	1723.48	0.00	1730.60	0.46	1709.19	3.2	1707.60	1.2	1705.54	1.2	1708.41	3.5	1708.78
11/09/18	0.17	1722.97	1.0	1707.29	0.00	1719.05	0.00	1723.52	0.00	1730.60	0.47	1709.20	3.2	1707.60	1.2	1705.58	1.2	1708.41	3.5	1708.87
11/10/18	0.17	1722.87	1.0	1707.26	0.00	1719.05	0.00	1723.54	0.00	1730.60	0.47	1709.20	3.2	1707.60	1.1	1705.82	1.2	1708.41	3.5	1708.78
11/11/18	0.17	1722.90	1.0	1707.30	0.00	1719.03	0.00	1723.47	0.00	1730.56	0.47	1709.20	3.2	1707.60	1.2	1705.56	1.2	1708.42	3.4	1708.78
11/12/18[2]	0.17	1722.97	1.0	1707.28	0.00	1719.03	0.00	1723.45	0.00	1730.55	0.46	1709.20	3.2	1707.60	1.1	1705.55	1.2	1708.42	3.6	1708.78
11/13/18	0.17	1723.02	1.0	1707.11	0.00	1719.04	0.00	1723.47	0.00	1730.55	0.47	1709.20	3.2	1707.60	1.2	1705.58	1.2	1708.41	3.4	1708.78
11/14/18	0.17	1723.22	1.0	1707.11	0.00	1719.05	0.01	1724.67	0.02	1730.56	0.47	1709.20	3.2	1707.60	1.1	1705.45	1.2	1708.41	3.4	1708.78
11/15/18	0.17	1722.74	1.0	1707.10	0.00	1719.67	0.00	1724.60	0.00	1730.58	0.48	1709.29	3.2	1707.60	1.1	1705.48	1.2	1708.42	3.4	1708.78
11/16/18	0.18	1722.41	1.0	1707.10	0.00	1719.44	0.00	1724.47	0.00	1730.67	0.49	1709.29	3.2	1707.77	1.1	1705.48	1.2	1708.42	3.5	1708.78
11/17/18	0.19	1722.37	1.0	1707.10	0.00	1719.33	0.00	1724.36	0.00	1730.62	0.48	1709.29	3.2	1707.63	1.1	1705.56	1.2	1708.42	3.4	1708.78
11/18/18	0.19	1722.42	1.0	1707.11	0.00	1719.26	0.00	1724.26	0.00	1730.91	0.48	1709.29	3.2	1707.46	1.1	1705.50	1.2	1708.41	3.4	1708.78
11/19/18	0.19	1722.50	1.0	1707.11	0.00	1719.23	0.00	1724.21	0.00	1731.04	0.48	1709.29	3.2	1707.61	1.1	1705.58	1.2	1708.41	3.2	1708.78
11/20/18[2]	0.19	1722.47	1.0	1707.11	0.00	1719.06	0.00	1724.17	0.00	1731.62	0.48	1709.29	3.1	1707.55	1.2	1705.54	1.1	1708.41	3.2	1708.77
11/21/18	0.19	1722.30	1.0	1707.10	0.00	1718.95	0.00	1724.16	0.00	1731.46	0.47	1709.29	3.2	1707.86	1.1	1705.60	1.2	1708.41	3.4	1708.92
11/22/18	0.19	1722.20	1.0	1707.10	0.00	1718.93	0.00	1724.11	0.00	1731.56	0.46	1709.29	3.2	1707.63	1.1	1705.68	1.2	1708.41	3.4	1708.78
11/23/18	0.20	1722.20	1.0	1707.10	0.00	1718.94	0.00	1724.08	0.00	1731.44	0.46	1709.30	3.2	1707.52	1.1	1705.56	1.2	1708.41	3.5	1708.78
11/24/18	0.19	1722.28	1.0	1707.10	0.00	1718.93	0.00	1724.05	0.00	1731.48	0.46	1709.29	3.2	1707.65	1.1	1705.52	1.2	1708.41	3.5	1708.78
11/25/18	0.20	1722.35	1.0	1707.10	0.00	1718.94	0.00	1723.98	0.00	1731.48	0.46	1709.29	3.2	1707.41	1.1	1705.59	1.2	1708.41	3.4	1708.78
11/26/18[2]	0.19	1722.35	1.0	1707.09	0.02	1718.95	0.00	1723.97	0.00	1731.57	0.44	1709.30	3.2	1707.59	1.2	1705.57	1.2	1708.41	3.6	1708.93
11/27/18	0.19	1722.35	1.0	1707.12	0.00	1718.97	0.00	1724.00	0.00	1731.62	0.46	1709.30	3.2	1707.63	1.1	1705.56	1.2	1708.41	3.4	1708.78
11/28/18	0.17	1723.72	1.0	1707.14	0.00	1718.97	0.00	1724.03	0.00	1731.67	0.46	1709.30	3.2	1707.66	1.1	1705.62	1.2	1708.41	3.4	1708.80
11/29/18	0.12	1724.09	1.0	1707.11	0.00	1718.98	0.00	1724.04	0.00	1731.70	0.46	1709.30	3.2	1707.42	1.1	1705.54	1.2	1708.41	3.4	1708.78
11/30/18	0.17	1722.47	1.0	1707.11	0.00	1718.98	0.00	1723.98	0.00	1731.69	0.46	1709.30	3.2	1707.51	1.1	1705.57	1.2	1708.41	3.4	1709.25
Monthly Average	0.18	1722.72	1.0	1707.17	0.00	1719.07	0.00	1723.90	0.00	1731.00	0.47	1709.25	3.2	1707.60	1.2	1705.57	1.2	1708.41	3.5	1708.81
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	780 ^	11/14/2018	52	11/15/2018	87	11/26/2018	250 ^	11/14/2018	150 ^	11/14/2018	320	11/15/2018	560	11/15/2018	600	11/15/2018	470	11/15/2018	720	11/15/2018
Hexavalent Chromium	0.39	11/14/2018	0.056	11/15/2018	0.00090 J	11/26/2018	2.4	11/14/2018	1.5	11/14/2018	0.15	11/15/2018	2.8	11/15/2018	5.3	11/15/2018	5.7	11/15/2018	12	11/15/2018
Total Chromium	4.7	11/14/2018	0.059	11/15/2018	0.026	11/26/2018	2.2	11/14/2018	1.4	11/14/2018	0.16	11/15/2018	2.4	11/15/2018	4.7	11/15/2018	5.6	11/15/2018	11	11/15/2018

Notes:

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

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.

^ = Instrument related QC is outside acceptance limits.

1: Analytical results are reported from TestAmerica.

2: On 11/05, 11/12, 11/20, and 11/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

3: On 11/16, I-AR adjusted to meet flow target as directed by the Trust.

4: Beginning 11/13, I-AA water levels will be provided by the transducer reading because the manual readings and transducer readings are reliably within guideline requirements.

5: Beginning 11/16, I-C and I-Y water levels will be recorded manually until transducer readings are reliably within guideline requirements.

6: On 11/10, I-D offline briefly due to instrument error.

Table Updated: 12/14/2018

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I 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[7] (gpm)	Water Elevation (ft amsl)	Flow[7] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[8 9] (gpm)	Water Elevation (ft amsl)	Flow[8] (gpm)	Water Elevation (ft amsl)	Flow[8 9 10] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[7] (gpm)	Water Elevation (ft amsl)
11/01/18	0.13	1711.27	0.96	1709.15	5.0	1720.99	6.0	1711.97	3.4	1710.21	1.0	1713.94	2.1	1716.49	2.6	1712.89	1.4	1719.87	1.9	1709.54
11/02/18	0.13	1711.26	0.95	1709.15	5.0	1721.00	6.1	1711.98	3.4	1710.08	1.0	1713.98	2.1	1716.50	2.6	1713.31	1.3	1719.41	1.9	1709.45
11/03/18	0.13	1711.26	0.95	1709.15	5.0	1720.97	6.1	1711.98	3.4	1709.28	1.0	1713.96	2.1	1716.49	2.5	1713.45	1.3	1718.81	1.8	1709.44
11/04/18	0.13	1711.26	0.98	1709.15	5.0	1720.99	6.1	1711.98	3.6	1710.36	1.0	1713.92	2.1	1716.48	2.6	1713.74	1.4	1718.86	1.9	1709.44
11/05/18[2]	0.24	1711.25	0.96	1709.15	5.0	1720.99	6.1	1711.98	4.5	1709.24	1.0	1713.91	2.1	1716.48	2.4	1714.45	1.4	1718.68	2.4	1709.48
11/06/18	0.13	1711.27	0.95	1709.15	5.0	1720.97	6.0	1711.97	3.4	1709.43	1.0	1713.89	2.0	1716.68	2.3	1714.89	1.3	1718.42	1.8	1709.44
11/07/18	0.13	1711.25	0.95	1709.15	5.0	1720.98	6.1	1711.97	3.4	1709.20	0.96	1714.29	2.0	1716.81	2.3	1715.13	1.4	1718.28	1.8	1709.62
11/08/18	0.12	1711.25	0.93	1709.15	5.0	1720.98	6.0	1711.97	3.4	1710.17	0.94	1714.37	1.9	1716.79	2.3	1715.31	1.3	1717.85	1.8	1709.50
11/09/18	0.12	1711.26	0.94	1709.15	5.0	1720.96	6.1	1711.97	3.4	1710.11	1.1	1711.36	2.1	1715.89	2.6	1712.48	1.3	1717.90	1.8	1709.75
11/10/18	0.13	1711.26	0.94	1709.15	4.9	1720.97	6.1	1711.97	3.4	1710.28	1.2	1711.36	2.2	1715.90	2.6	1712.48	1.3	1718.07	1.8	1709.46
11/11/18	0.12	1711.25	0.93	1709.15	4.9	1720.94	6.1	1711.97	3.4	1710.02	1.2	1711.38	2.2	1715.86	2.5	1713.32	1.3	1716.95	1.8	1709.49
11/12/18[2]	0.21	1711.27	0.94	1709.15	5.0	1720.92	5.9	1711.97	1.6	1710.28	1.2	1711.36	2.2	1715.86	2.5	1713.43	1.4	1715.95	1.9	1709.48
11/13/18	0.12	1711.24	0.93	1709.15	5.0	1720.93	6.0	1711.97	3.4	1709.18	1.2	1711.36	2.2	1715.80	2.4	1713.53	1.3	1716.21	1.7	1709.76
11/14/18	0.13	1711.25	0.93	1709.15	5.0	1720.94	6.0	1712.01	3.4	1709.28	1.2	1711.36	2.2	1715.85	2.4	1714.13	1.4	1715.09	1.8	1709.66
11/15/18	0.13	1711.25	0.94	1709.15	5.0	1720.96	6.0	1712.01	3.4	1710.06	0.88	1717.05	2.1	1716.12	2.2	1716.40	1.4	1715.32	1.8	1709.74
11/16/18	0.13	1711.25	0.94	1709.15	5.0	1720.96	6.1	1712.01	3.4	1709.83	0.97	1713.65	2.1	1716.24	2.5	1712.62	1.4	1715.09	1.8	1709.51
11/17/18	0.13	1711.27	0.94	1709.15	4.9	1720.94	6.1	1712.01	3.4	1709.28	1.0	1713.71	2.1	1716.32	2.6	1712.78	1.4	1715.34	1.8	1709.56
11/18/18	0.13	1711.27	0.93	1709.15	4.9	1720.93	6.1	1712.01	3.4	1709.16	1.0	1713.89	2.1	1716.32	2.5	1713.33	1.4	1715.09	1.7	1709.57
11/19/18	0.13	1711.26	0.94	1709.15	4.9	1720.94	6.1	1712.01	3.4	1709.51	1.0	1713.93	2.1	1716.37	2.5	1713.55	1.4	1715.11	1.7	1709.55
11/20/18[2]	0.24	1711.23	0.92	1709.22	5.0	1720.93	6.0	1712.01	3.2	1710.12	0.98	1714.03	2.0	1716.35	2.4	1713.61	1.4	1715.11	2.1	1709.49
11/21/18	0.13	1711.23	0.93	1709.23	5.0	1720.94	6.0	1712.02	3.4	1709.87	1.0	1713.81	2.1	1716.36	2.4	1713.89	1.4	1715.11	1.7	1709.53
11/22/18	0.13	1711.24	0.93	1709.22	5.0	1720.93	6.0	1712.02	3.4	1710.07	1.0	1713.87	2.1	1716.42	2.3	1716.23	1.4	1715.12	1.8	1709.50
11/23/18	0.13	1711.22	0.93	1709.23	5.0	1720.95	6.0	1712.01	3.4	1709.52	1.0	1713.75	2.0	1716.45	1.9	1715.03	1.4	1715.12	1.7	1709.46
11/24/18	0.13	1711.23	0.93	1709.23	5.0	1720.93	6.1	1712.01	3.4	1710.05	1.0	1713.77	2.1	1716.43	2.7	1712.54	1.4	1715.19	1.7	1709.69
11/25/18	0.13	1711.24	0.92	1709.22	4.9	1720.92	6.0	1712.01	3.4	1710.12	1.0	1713.74	2.0	1716.48	2.6	1712.56	1.3	1715.16	1.7	1709.48
11/26/18[2]	0.23	1711.22	0.94	1709.22	5.0	1720.92	6.0	1712.01	3.2	1710.07	1.0	1713.78	2.0	1716.46	2.5	1712.85	1.4	1715.15	1.8	1709.44
11/27/18	0.13	1711.24	0.93	1709.22	5.0	1720.95	6.0	1712.01	3.4	1710.08	0.99	1713.82	2.0	1716.48	2.5	1713.26	1.4	1715.26	1.7	1709.47
11/28/18	0.13	1711.23	0.93	1709.23	5.0	1720.97	6.1	1712.02	3.4	1710.03	0.99	1713.86	2.0	1716.59	2.4	1713.40	1.4	1715.11	1.8	1709.44
11/29/18	0.13	1711.22	0.93	1709.23	5.0	1720.98	6.1	1712.02	3.4	1710.13	1.0	1713.74	2.0	1716.66	2.4	1713.67	1.4	1715.11	1.8	1709.44
11/30/18	0.12	1711.24	0.93	1709.23	5.0	1720.94	6.1	1712.02	3.4	1709.88	1.0	1713.70	2.0	1716.65	2.4	1713.79	1.4	1715.23	1.7	1709.51
Monthly Average	0.14	1711.25	0.94	1709.18	5.0	1720.95	6.0	1712.00	3.4	1709.83	1.0	1713.48	2.1	1716.35	2.4	1713.74	1.4	1716.43	1.8	1709.53
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	1,400	11/20/2018	1,100	11/20/2018	710 ^	11/14/2018	320 ^	11/14/2018	250 ^	11/14/2018	450	11/15/2018	690	11/15/2018	570	11/15/2018	830	11/20/2018	900	11/20/2018
Hexavalent Chromium	21	11/20/2018	16	11/20/2018	9.2	11/14/2018	4.1	11/14/2018	2.4	11/14/2018	1.3	11/15/2018	5.7	11/15/2018	6.4	11/15/2018	15	11/20/2018	14	11/20/2018
Total Chromium	20	11/20/2018	16	11/20/2018	9.2	11/14/2018	3.8	11/14/2018	2.2	11/14/2018	1.2	11/15/2018	5.9	11/15/2018	6.3	11/15/2018	16	11/20/2018	15	11/20/2018

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 11/05, 11/12, 11/20, and 11/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

7: On 11/21, I-G, I-H, I-P, I-R and I-U adjusted to meet flow target as directed by the Trust.

8: On 11/09, I-L, I-M, and I-N adjusted to meet flow target as directed by the Trust.

9: On 11/15, I-L and I-N adjusted to meet flow target as directed by the Trust.

10: On 11/23, I-N was adjusted to meet flow target as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																				
Date	I-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y		I-Z	
	Flow (gpm)	Water Elevation (ft amsl)	Flow[7] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[7] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[12] (ft amsl)	Flow[13] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[5] (ft amsl)	Flow (gpm)	Water Elevation[14] (ft amsl)
11/01/18	0.40	1714.51	1.2	1711.31	1.9	1705.75	0.44	1707.56	0.80	1707.55	4.3	1717.05	0.23	1719.88	3.1	1698.27	1.3	1700.50	7.1	< 1707.89
11/02/18	0.41	1714.51	1.2	1711.10	1.8	1705.69	0.45	1707.58	0.80	1707.56	4.3	1717.04	0.54	1713.07	3.1	1698.36	1.3	1700.57	7.2	< 1707.89
11/03/18	0.40	1714.51	1.2	1711.07	1.8	1705.66	0.44	1707.56	0.80	1707.50	4.3	1716.97	0.74	1712.92	3.1	1698.33	1.3	1700.50	7.1	< 1707.89
11/04/18	0.42	1714.51	1.3	1711.01	1.9	1705.70	0.46	1707.56	0.83	1707.65	4.3	1717.00	0.76	1712.83	3.3	1698.38	1.3	1700.50	7.4	< 1707.89
11/05/18[2]	0.33	1714.51	1.2	1711.22	1.9	1705.82	0.46	1707.56	0.84	1707.50	4.3	1716.98	0.74	1700.51	2.7	1698.32	1.2	1700.50	7.5	< 1707.89
11/06/18	0.40	1714.51	1.2	1710.90	1.8	1705.76	0.44	1707.56	0.80	1707.73	4.3	1716.95	0.72	1700.42	3.2	1698.30	1.3	1700.51	7.1	< 1707.89
11/07/18	0.40	1714.51	1.2	1711.26	1.8	1705.67	0.45	1707.56	0.80	1707.47	4.3	1716.94	0.72	1700.49	3.2	1698.29	1.3	1700.50	7.2	< 1707.89
11/08/18	0.40	1714.51	1.1	1713.31	1.8	1705.75	0.44	1707.56	0.79	1707.47	4.3	1716.90	0.71	1700.46	3.2	1698.35	1.3	1700.50	7.1	< 1707.89
11/09/18	0.40	1714.51	1.1	1713.85	1.8	1705.71	0.44	1707.56	0.80	1707.56	4.3	1716.92	0.71	1700.50	3.2	1698.29	1.3	1700.50	7.1	< 1707.89
11/10/18	0.40	1714.51	1.1	1713.80	1.8	1705.73	0.44	1707.56	0.80	1707.64	4.3	1716.94	0.71	1700.47	3.1	1698.28	1.3	1700.50	7.1	< 1707.89
11/11/18	0.40	1714.51	1.1	1713.79	1.8	1705.72	0.44	1707.56	0.79	1707.60	4.2	1716.85	0.70	1701.58	3.1	1698.26	1.3	1700.50	7.1	< 1707.89
11/12/18[2]	0.33	1714.51	1.1	1713.85	2.1	1705.73	0.42	1707.56	0.75	1709.02	4.3	1716.83	0.67	1700.41	2.7	1698.56	1.4	1700.50	7.8	< 1707.89
11/13/18	0.40	1714.51	1.0	1713.93	1.8	1705.87	0.44	1707.56	0.74	1709.41	4.3	1716.84	0.70	1700.42	3.1	1698.30	1.3	1700.50	7.1	< 1707.89
11/14/18	0.40	1714.51	1.0	1713.88	1.8	1705.76	0.44	1707.56	0.73	1709.58	4.3	1716.90	0.70	1700.49	3.1	1698.41	1.3	1700.50	7.1	< 1707.89
11/15/18	0.40	1714.51	0.93	1715.48	1.8	1705.87	0.44	1707.56	0.73	1709.75	4.3	1716.92	0.70	1700.52	3.1	1698.42	1.3	1700.50	7.1	< 1707.89
11/16/18	0.40	1714.51	0.88	1715.42	1.8	1705.71	0.44	1707.56	0.71	1709.96	4.3	1716.91	0.70	1700.45	3.1	1698.29	1.3	1700.47	7.1	< 1707.89
11/17/18	0.40	1714.51	0.89	1715.34	1.8	1705.74	0.44	1707.56	0.71	1709.97	4.2	1716.89	0.70	1700.27	3.1	1698.37	1.3	1700.59	7.1	< 1707.89
11/18/18	0.40	1714.51	0.89	1715.07	1.8	1705.69	0.44	1707.56	0.71	1709.97	4.2	1716.86	0.69	1700.15	3.1	1698.32	1.3	1699.65	7.1	< 1707.89
11/19/18	0.40	1714.51	0.94	1715.16	1.8	1705.77	0.44	1707.56	0.70	1709.96	4.2	1716.88	0.69	1700.08	3.1	1698.25	1.3	1699.83	7.1	< 1707.89
11/20/18[2]	0.29	1714.51	0.92	1715.11	2.2	1705.77	0.45	1707.64	0.67	1711.02	4.3	1716.87	0.70	1704.49	3.9	1698.33	1.3	1699.77	7.2	< 1707.89
11/21/18	0.40	1714.51	1.2	1710.51	1.8	1705.70	0.44	1707.64	0.76	1707.42	4.3	1716.90	0.69	1700.43	3.1	1698.25	1.3	1699.77	7.1	< 1707.89
11/22/18	0.40	1714.51	1.3	1710.47	1.8	1705.95	0.44	1707.63	0.80	1707.39	4.3	1716.88	0.69	1700.58	3.1	1698.41	1.3	1699.95	7.1	< 1707.89
11/23/18	0.40	1714.51	1.3	1710.98	1.8	1705.75	0.44	1707.63	0.79	1707.96	4.2	1716.91	0.69	1700.21	3.2	1698.25	1.3	1699.77	7.1	< 1707.89
11/24/18	0.40	1714.51	1.3	1711.05	1.8	1705.79	0.44	1707.64	0.79	1708.22	4.2	1716.88	0.69	1700.25	3.1	1698.25	1.3	1699.89	7.5	< 1707.89
11/25/18	0.40	1714.51	1.2	1711.13	1.8	1705.71	0.44	1707.63	0.79	1708.26	4.2	1716.85	0.69	1700.42	3.1	1698.29	1.3	1699.80	6.7	< 1707.89
11/26/18[2]	0.44	1714.51	1.2	1711.32	1.9	1705.81	0.41	1707.63	0.77	1708.61	4.3	1716.88	0.69	1700.36	4.0	1698.41	1.3	1699.88	7.9	< 1707.89
11/27/18	0.40	1714.51	1.2	1711.47	1.8	1705.81	0.44	1707.64	0.76	1708.85	4.3	1716.88	0.69	1701.34	3.1	1698.42	1.3	1700.32	7.1	< 1707.89
11/28/18	0.40	1714.51	1.2	1711.29	1.8	1705.74	0.44	1707.64	0.76	1708.95	4.3	1716.88	0.66	1701.32	3.1	1698.32	1.3	1700.29	7.1	< 1707.89
11/29/18	0.40	1714.51	1.2	1711.16	1.8	1705.76	0.44	1707.64	0.75	1709.06	4.2	1717.23	0.69	1700.69	3.1	1698.31	1.3	1700.37	7.1	< 1707.89
11/30/18	0.40	1714.51	1.2	1711.57	1.8	1705.85	0.44	1707.64	0.75	1708.82	4.2	1717.58	0.69	1700.51	3.1	1698.38	1.3	1700.32	7.1	< 1707.89
Monthly Average	0.39	1714.51	1.1	1712.56	1.8	1705.76	0.44	1707.59	0.77	1708.51	4.3	1716.94	0.68	1702.55	3.2	1698.33	1.3	1700.27	7.2	< 1707.89
Analytical[1]	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[11] (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	810	11/20/2018	820	11/15/2018	490	11/15/2018	1,350	11/20/2018	1,400	11/20/2018	860 ^	11/14/2018	790	11/20/2018	850	11/15/2018	600	11/15/2018	360 ^	11/14/2018
Hexavalent Chromium	14	11/20/2018	0.67	11/15/2018	1.7	11/15/2018	19	11/20/2018	19	11/20/2018	9.3	11/14/2018	14	11/20/2018	8.8	11/15/2018	1.1	11/15/2018	7.6	11/14/2018
Total Chromium	15	11/20/2018	0.67	11/15/2018	1.5	11/15/2018	19	11/20/2018	17	11/20/2018	12	11/14/2018	15	11/20/2018	9.0	11/15/2018	1.0	11/15/2018	8.1	11/14/2018

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 11/05, 11/12, 11/20, and 11/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

5: Beginning 11/16, I-C and I-Y water levels will be recorded manually until transducer readings are reliably within guideline requirements.

7: On 11/21, I-G, I-H, I-P, I-R and I-U adjusted to meet flow target as directed by the Trust.

11: Duplicates taken on 11/20 for well I-T; average of both values is presented and used for calculations.

12: On 11/30, new transducer installed in I-V.

13: On 11/02, I-W was adjusted to meet flow target as directed by the Trust.

14: 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.

Table Updated: 12/14/2018

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I 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_4 (mg/L)	Flow[4] (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	Flow[4 5] (gpm)	TA - ClO_4 (mg/L)	ETI - ClO_4 (mg/L)	TA - ClO_3 (mg/L)	TA - NO_3 - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
11/01/18	954	56				0.00				1,079		210	130			
11/02/18	953	56				0.00				1,058		202				
11/03/18	953	56				0.00				1,054	240	217				
11/04/18	994	58				0.00				1,078		176				
11/05/18[3]	1,031	57				0.00				1,092		210		10	0.043	0.036
11/06/18	955	59				0.00				1,038		192				
11/07/18	950	56	0.13	ND	670	0.00				1,037		238				
11/08/18	965	56				0.00				1,035		207				
11/09/18	951	56				0.00				1,052		213				
11/10/18	951	56				0.00				1,039	250	181				
11/11/18	948	56				0.00				1,045		230				
11/12/18[3]	998	56				0.00				1,097		236		9.5	0.045	0.034
11/13/18	949	55				0.00				1,044		221				
11/14/18	948	55	2.6	ND	670	0.00				1,040		226				
11/15/18	951	55				8.4	0.066	0.046	58	1,051		239				
11/16/18	947	56				0.00				1,033		205				
11/17/18	947	56				0.00				1,019	270	235				
11/18/18	947	58				0.00				1,089		234				
11/19/18	948	60				0.00				1,038		194		11	0.049	0.038
11/20/18[3]	866	56	0.36	ND	870	0.00				948		119				
11/21/18	946	55				0.00				1,024		274				
11/22/18	947	58				0.00				1,050		242				
11/23/18	946	55				0.00				1,021		229				
11/24/18	946	56				0.00				1,029	280	248				
11/25/18	945	55				0.00				1,043		244				
11/26/18[3]	936	57				0.00				1,022		239		9.1	0.054	0.041
11/27/18	953	55	0.13	ND	660	0.00				1,030		234				
11/28/18	946	56				0.00				1,027		208				
11/29/18	945	55				0.00				1,006		259				
11/30/18	945	55				0.00				1,033		218				
Monthly Average[2]	952	56	0.75	ND	708	0.28	0.066	0.046	58	1,042	262	220	130	9.9	0.048	0.037

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 (ClO_4 = 0.5 ug/L; ClO_3 = 10 ug/L; NO_3-N= 0.055 mg/L, Cr(VI) = 0.25 ug/L).

1: ETI = Envirogen internal process control data, TA = TestAmerica data.

2: All average concentrations reported are monthly flow weighted averages.

3: On 11/05, 11/12, 11/20, and 11/26, the LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.

4: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 11/01 to 11/30 due to FBR plant influent strainers clogging, except for monthly sampling.

5: From 11/01 to 11/30, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics														
Date	1st Stage FBR[6]			2nd Stage FBR[6]			FBR Plant Effluent[1]							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow[7] (gpm)	TA - ClO_4 (mg/L)	ETI - ClO_4 (mg/L)	TA - ClO_3 (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO_3 - N (mg/L)	ETI - Turbidity (NTU)
11/01/18	1,130	7.0	-403	939	6.7	-365	1,113		ND	0.022 J				16
11/02/18	1,128	6.9	-400	875	6.6	-366	1,111		ND					10
11/03/18	1,120	6.9	-402	907	6.7	-367	1,105	ND	ND					13
11/04/18	1,118	6.9	-371	925	6.7	-368	1,137		ND					16
11/05/18	1,096	6.9	-366	905	6.7	-369	1,074		ND		0.0073	ND	1.3 J	10
11/06/18	1,096	6.8	-386	950	6.7	-373	1,091		ND					9
11/07/18	1,114	6.9	-394	776	6.7	-382	1,048		ND					6
11/08/18	1,124	6.8	-370	921	6.7	-356	1,043		ND					4
11/09/18	1,126	6.8	-366	798	6.7	-334	1,092		ND					3
11/10/18	1,131	6.7	-375	916	6.7	-342	1,097	ND	ND					3
11/11/18	1,137	6.9	-387	904	6.7	-347	1,096		ND					3
11/12/18	1,127	6.8	-393	932	6.7	-352	1,095		ND		0.0087	ND	0.56 J	5
11/13/18	1,126	6.9	-398	902	6.7	-358	1,096		ND					6
11/14/18	1,137	7.0	-398	888	6.7	-359	1,105		ND					6
11/15/18	1,116	7.0	-396	870	6.8	-358	1,072		ND					3
11/16/18	1,117	6.9	-398	863	6.8	-361	1,091		ND					3
11/17/18	1,143	6.9	-396	936	6.8	-362	1,041	ND	ND					4
11/18/18	1,119	6.8	-364	936	6.9	-366	1,109		ND					7
11/19/18	1,120	6.8	-387	925	6.9	-367	1,105		ND		0.0038 J	ND	ND	8
11/20/18	1,107	6.7	-380	885	6.9	-364	1,091		ND					10
11/21/18	1,143	6.9	-382	851	7.0	-368	869		ND					6
11/22/18	1,116	7.0	-395	850	7.0	-366	1,098		ND					4
11/23/18	1,122	6.9	-397	895	7.0	-368	1,094		ND					4
11/24/18	1,130	6.9	-399	912	7.0	-370	1,091	ND	ND					4
11/25/18	1,126	6.8	-399	913	7.0	-373	1,100		ND					4
11/26/18	1,122	6.7	-361	893	6.9	-373	1,088		ND		0.0055	ND	ND	10
11/27/18	1,125	6.7	-342	847	6.9	-354	1,079		ND					17
11/28/18	1,107	6.8	-343	883	6.9	-356	1,090		ND					6
11/29/18	1,099	7.0	-368	842	7.0	-359	1,068		ND					7
11/30/18	1,129	7.1	-400	887	7.0	-365	1,094		ND					5
Monthly Average[2]	1,122	6.9	-384	891	6.8	-362	1,083	ND	ND	0.022	0.0063	ND	0.48	7

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 (ClO_4 = 0.5 ug/L; ClO_3 = 10 ug/L; NO_3-N= 0.055 mg/L, Cr(VI) = 0.25 ug/L).

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

1: ETI = Envirogen internal process control data, TA = TestAmerica data.

2: All average concentrations reported are monthly flow weighted averages.

6: For 1st and 2nd stage FBRs, flow measurements are collected from the influent lines and pH and ORP samples are collected from the recycle lines.

7: FBR Plant Effluent represents effluent discharged to Las Vegas Wash. While this may represent the entirety of the FBR Plant effluent, any diversions to GW-11 are subtracted from the original effluent flow.

GW-11 Level Monitoring		
Date	Field Measurement (ft)	Volume (MG)
11/15/18	31.7	34.4
11/30/18	31.1	35.2

GW-11 Leak Detection Monitoring				
Date	Amount Pumped[1] (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
11/14/18	0	1,076	1,016	0
11/28/18	0	436	676	0

GW-11 Composite Sample[2]		
Analytes	Concentration	Units
Perchlorate	5.7	mg/L
Chlorate	8.2	mg/L
Ammonia as N	0.40	mg/L
Total Phosphorus	1.5	mg/L
Total Dissolved Solids (TDS)	11,000	mg/L
Total Suspended Solids (TSS)	86	mg/L
pH	8.4 HF	s.u.
Calcium	530 B	mg/L
Iron	5.2	mg/L
Chromium (total)	0.99	mg/L
Chromium VI	ND	mg/L
Chloride	3,400	mg/L
Nitrate as N	ND	mg/L
Sulfate	3,000	mg/L

Notes:

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

B = Compound was found in the blank and sample.

ND = Not detected above laboratory method detection limit (NH_3-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: November 6, 2018.

Table Updated: 12/14/2018

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I 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)		
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
Sep 2018	1,030	117	10	150	691	687
Oct 2018	1,028	208	10	140	867	728
Nov 2018	1,042	262	10	130	979	771

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. The AP-5 wash water feed rate was increased on October 1, 2018 in accordance with the higher seasonal ammonia permit limits beginning October 1.

3: FBR loading calcuated as $[(0.9*NO_3 \text{ as } N + 0.17*ClO_3 + 0.18*ClO_4)*Flow*1440/1000000*8.34]$.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I 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)
11/01/18	2.1	1712.25	1.1	1709.79	0.59	1710.76	0.87	1713.96	1.1	1715.62	1.1	1721.15	1.2	1716.48	0.33	1716.27
11/02/18	2.1	1711.65	1.1	1710.05	0.59	1710.96	0.87	1714.15	1.1	1716.74	1.2	1719.14	1.2	1717.15	0.34	1716.15
11/03/18	2.2	1711.50	1.1	1710.18	0.62	1711.07	0.97	1713.90	1.0	1716.97	1.4	1718.93	1.3	1717.80	0.35	1715.97
11/04/18	2.1	1711.67	1.1	1710.44	0.59	1710.80	0.92	1716.23	0.96	1713.26	1.3	1717.17	1.2	1715.67	0.32	1714.40
11/05/18	2.1	1712.42	1.0	1710.49	0.59	1710.86	0.88	1709.74	1.1	1718.64	1.4	1718.05	1.3	1717.30	0.33	1716.93
11/06/18	2.1	1712.43	1.0	1710.59	0.59	1710.81	0.87	1714.32	1.2	1717.59	1.4	1717.60	1.3	1716.56	0.34	1716.52
11/07/18	2.1	1712.46	0.76	1711.55	0.59	1710.84	0.86	1714.11	1.3	1715.93	1.3	1717.24	1.3	1716.52	0.31	1716.88
11/08/18	2.1	1712.13	0.24	1706.82	0.59	1710.92	0.85	1714.03	1.2	1714.63	1.3	1717.50	1.3	1716.50	0.29	1716.92
11/09/18	2.1	1711.91	0.60	1709.32	0.59	1710.96	0.83	1713.91	1.2	1714.77	1.1	1717.57	1.3	1716.05	0.22	1716.84
11/10/18	2.1	1711.70	0.63	1710.18	0.60	1711.14	0.86	1713.54	1.3	1714.46	1.1	1717.34	1.4	1715.49	0.36	1716.18
11/11/18	2.1	1715.63	0.65	1711.26	0.60	1710.90	0.86	1713.34	1.2	1713.52	0.96	1720.16	1.3	1714.81	0.34	1713.90
11/12/18	2.0	1711.58	0.60	1709.59	0.60	1710.87	0.82	1714.50	1.1	1716.44	1.1	1721.47	1.2	1716.63	0.33	1715.65
11/13/18	2.2	1712.25	0.66	1709.52	0.63	1710.76	0.87	1714.97	1.0	1717.38	1.1	1720.90	1.3	1716.81	0.35	1716.15
11/14/18	2.2	1711.83	0.65	1709.56	0.62	1710.58	0.75	1717.14	1.4	1719.87	1.0	1722.04	1.1	1721.04	0.46	1719.37
11/15/18	2.2	1712.09	0.63	1709.52	0.62	1710.79	0.88	1717.14	1.4	1712.74	0.26	1721.41	1.3	1718.61	0.41	1707.62
11/16/18	2.2	1712.33	0.63	1709.84	0.62	1710.69	0.89	1716.24	1.4	1712.72	1.4	1723.23	1.3	1716.33	0.39	1709.84
11/17/18	2.2	1711.75	0.62	1709.68	0.61	1710.52	0.88	1715.20	1.4	1713.37	1.4	1719.13	1.3	1716.03	0.39	1712.56
11/18/18	2.1	1711.08	0.61	1708.86	0.63	1711.44	0.70	1709.60	1.3	1711.56	1.3	1716.25	1.3	1715.00	0.37	1713.00
11/19/18	2.2	1710.82	0.62	1709.51	0.64	1710.72	0.69	1717.10	1.3	1713.29	1.3	1717.35	1.4	1714.29	0.35	1713.23
11/20/18	2.1	1710.85	0.59	1709.57	0.62	1710.61	0.76	1717.67	1.2	1714.62	1.3	1717.85	1.4	1714.51	0.35	1713.88
11/21/18	2.1	1710.93	0.61	1709.54	0.62	1710.62	0.74	1716.60	1.2	1714.72	1.3	1718.08	1.4	1714.94	0.35	1714.97
11/22/18	2.2	1710.95	0.64	1709.67	0.64	1710.52	0.76	1716.24	1.3	1714.56	1.3	1714.79	1.4	1714.85	0.39	1715.00
11/23/18	2.1	1710.53	0.49	1709.88	0.64	1710.19	0.78	1716.12	1.2	1714.76	1.3	1714.30	1.4	1714.36	0.33	1714.46
11/24/18	2.2	1711.72	0.56	1709.64	0.63	1709.99	0.76	1716.16	1.2	1715.09	1.3	1714.82	1.4	1714.88	0.35	1714.41
11/25/18	2.2	1711.28	0.58	1710.56	0.63	1710.04	0.77	1716.12	1.2	1715.39	1.3	1714.48	1.4	1714.54	0.34	1714.44
11/26/18	2.2	1711.33	0.60	1710.65	0.64	1710.02	0.77	1716.17	1.2	1715.13	1.3	1714.95	1.4	1715.01	0.34	1714.52
11/27/18	2.2	1711.25	0.61	1710.55	0.65	1710.00	0.76	1716.32	1.2	1715.64	1.3	1715.20	1.4	1715.26	0.34	1715.42
11/28/18	2.2	1711.22	0.61	1710.59	0.63	1710.01	0.73	1716.50	1.1	1715.77	1.1	1718.84	1.3	1715.40	0.32	1715.44
11/29/18	2.2	1711.09	0.59	1710.66	0.62	1710.03	0.70	1717.31	1.1	1717.38	1.1	1721.47	1.3	1716.71	0.30	1716.26
11/30/18	2.2	1711.35	0.60	1710.74	0.62	1710.95	0.89	1717.48	1.2	1717.21	1.3	1717.47	1.5	1716.25	0.33	1716.97
Monthly Average	2.1	1711.73	0.69	1709.96	0.62	1710.65	0.82	1715.19	1.2	1715.33	1.2	1718.20	1.3	1716.06	0.34	1715.00
Analytical[1]	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	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	720	11/13/2018	1,750	11/13/2018	920	11/13/2018	170	11/13/2018	570	11/13/2018	830	11/13/2018	1,400	11/13/2018	1,900	11/13/2018
Hexavalent Chromium	0.038	11/13/2018	0.17	11/13/2018	0.38	11/13/2018	0.030	11/13/2018	0.025	11/13/2018	0.020	11/13/2018	0.028	11/13/2018	0.10	11/13/2018
Total Chromium	0.040	11/13/2018	0.18	11/13/2018	0.37	11/13/2018	0.028	11/13/2018	0.031	11/13/2018	0.025	11/13/2018	0.028	11/13/2018	0.11	11/13/2018

Notes:

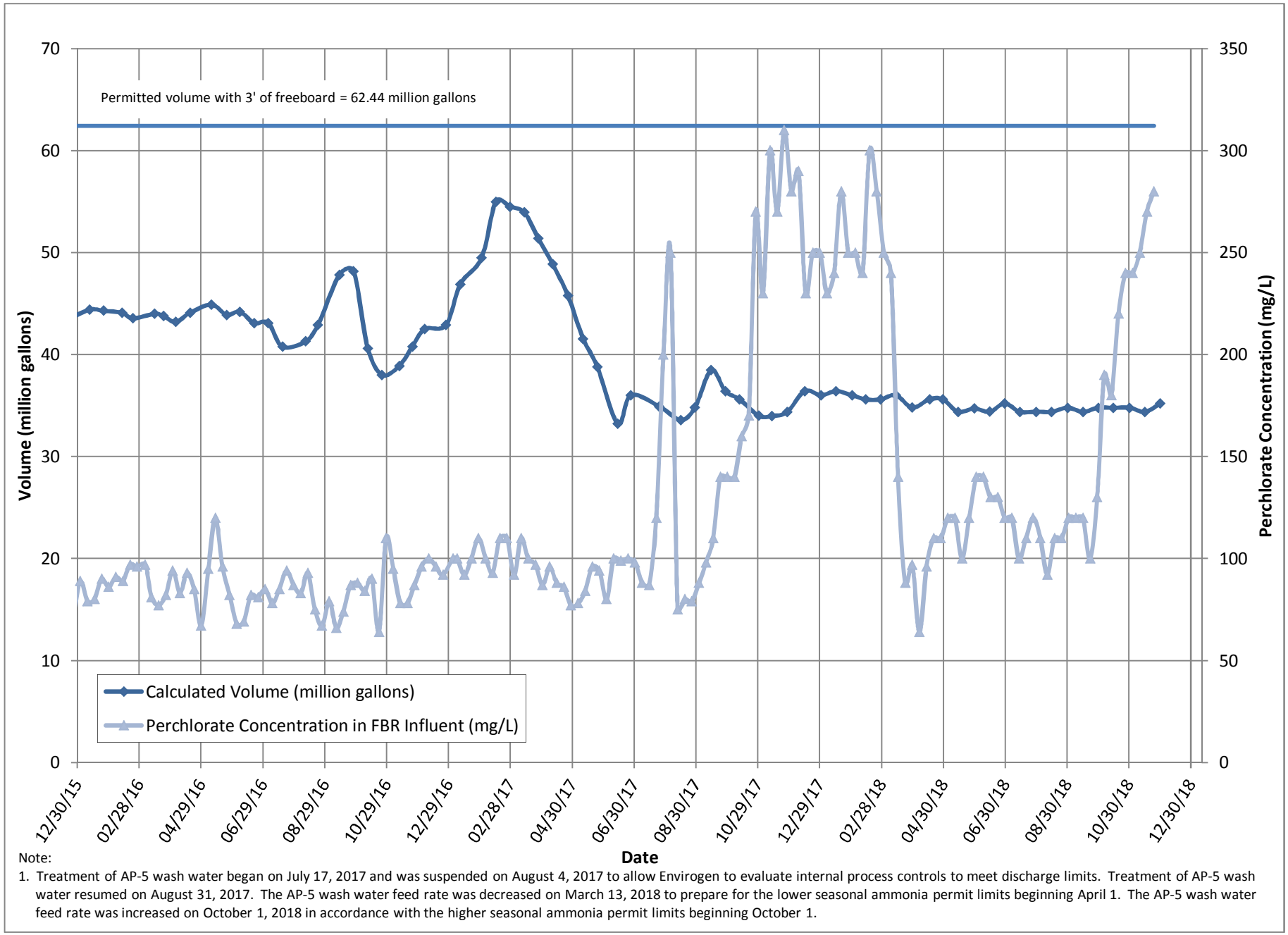
Flow reported as gpm is a daily average calculated from the totalizer reading.

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 11/13 for well E1-2; average of both values is presented and used for calculations.

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

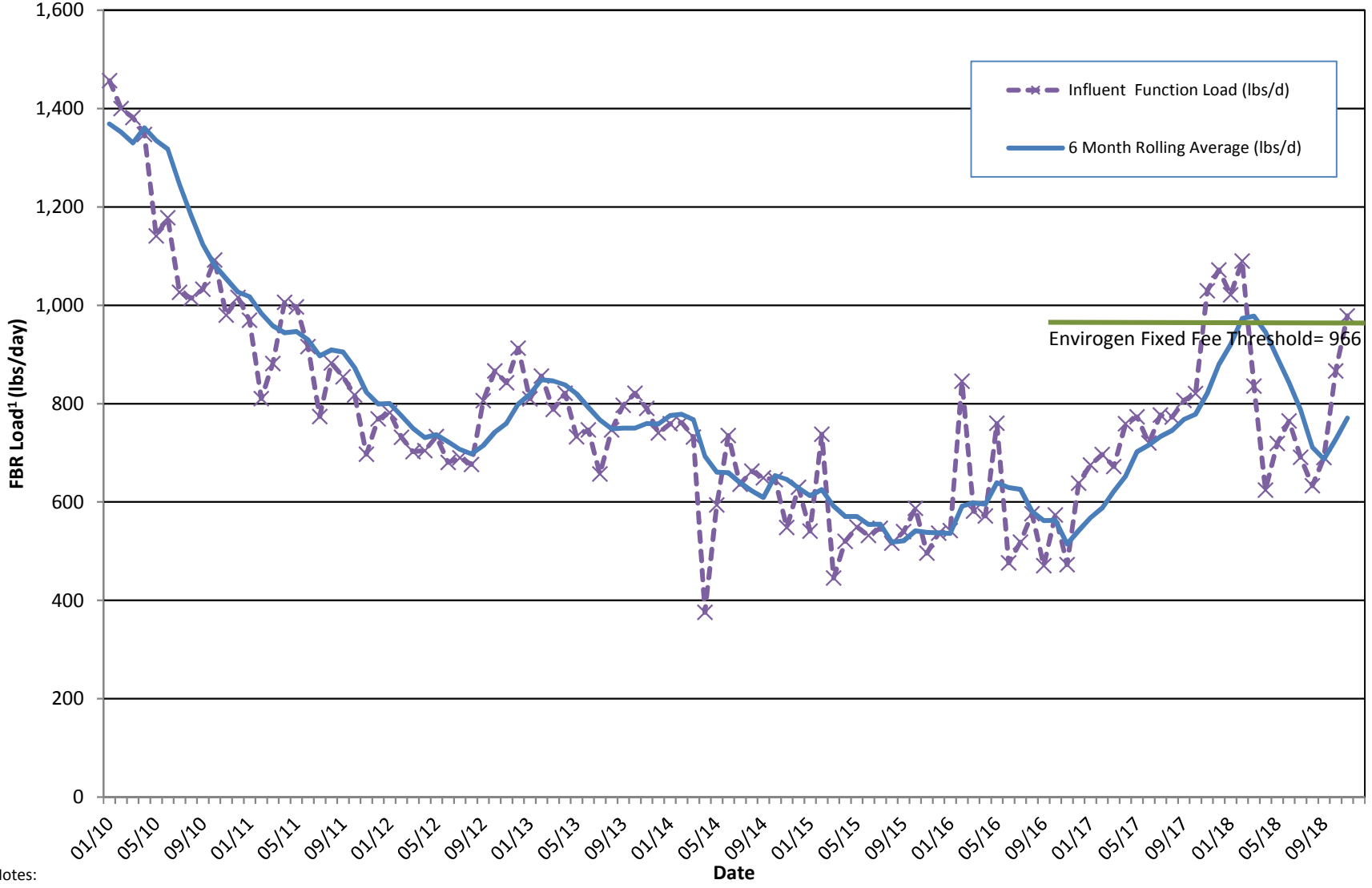


Note:

1. Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was decreased on March 13, 2018 to prepare for the lower seasonal ammonia permit limits beginning April 1. The AP-5 wash water feed rate was increased on October 1, 2018 in accordance with the higher seasonal ammonia permit limits beginning October 1.

Figure Updated: 12/14/2018

Figure 2 - FBR Equivalent Loading Calculation



Notes:

1: FBR Load calculated as [(0.9*NO_3 as N + 0.17 * ClO_3 + 0.18*ClO_4)*Flow*1440/1000000*8.34]

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. The AP-5 wash water feed rate was increased on October 1, 2018 in accordance with the higher seasonal ammonia permit limits beginning October 1.

Figure Updated: 12/14/2018