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 Flow[3] (gpm)	PC-116R (East Well)		PC-99R2/R3 (Center Well)		PC-115R (West Well)		PC-117		PC-118		PC-119		PC-120		PC-121		PC-133	
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
06/01/23[2]	386	124	1539.68	79	1543.06	98	1545.50	84	1536.07	50	1548.03	83	1549.28	38	1550.40	14	1550.35	7.8	1520.01
06/02/23	478	159	1537.67	86	1541.92	126	1544.39	108	1533.19	64	1547.52	108	1548.72	49	1549.94	17	1550.10	9.9	< 1520.00
06/03/23	478	159	1537.52	86	1541.89	126	1544.31	108	1533.08	64	1547.46	108	1548.65	49	1549.88	17	1550.05	9.9	< 1520.00
06/04/23	478	159	1537.43	86	1541.88	126	1544.27	108	1533.02	64	1547.43	108	1548.61	49	1549.85	17	1550.02	9.9	< 1520.00
06/05/23	478	159	1537.47	86	1541.88	126	1544.27	108	1533.03	64	1547.41	108	1548.60	49	1549.84	17	1550.01	9.9	< 1520.00
06/06/23	478	159	1537.47	86	1541.94	126	1544.29	108	1533.01	64	1547.39	108	1548.58	48	1549.82	17	1550.00	9.8	< 1520.00
06/07/23	476	158	1537.58	86	1541.95	125	1544.35	107	1533.10	64	1547.40	108	1548.59	48	1549.82	17	1550.00	9.8	< 1520.00
06/08/23	478	159	1537.55	86	1542.10	125	1544.37	108	1533.05	64	1547.37	108	1548.59	49	1549.78	19	1549.91	9.8	< 1520.00
06/09/23	478	159	1537.54	86	1542.19	125	1544.37	108	1533.03	64	1547.36	108	1548.59	50	1549.74	21	1549.84	9.8	< 1520.00
06/10/23	478	159	1537.54	86	1542.20	125	1544.38	108	1533.04	64	1547.35	108	1548.58	50	1549.74	20	1549.85	9.8	< 1520.00
06/11/23	478	159	1537.46	86	1542.22	126	1544.37	108	1532.97	64	1547.34	108	1548.57	50	1549.73	20	1549.84	9.8	< 1520.00
06/12/23	478	159	1537.46	86	1542.24	125	1544.36	108	1532.95	64	1547.33	108	1548.57	50	1549.73	20	1549.84	9.8	< 1520.00
06/13/23	478	159	1537.51	86	1542.25	125	1544.37	108	1532.99	64	1547.33	108	1548.57	50	1549.73	20	1549.84	9.8	< 1520.00
06/14/23[2]	410	131	1539.39	86	1543.17	104	1545.49	89	1535.55	53	1547.89	89	1549.21	41	1550.28	17	1550.22	8.2	< 1520.00
06/15/23	474	157	1537.88	86	1542.19	124	1544.61	107	1533.32	64	1547.46	107	1548.74	49	1549.89	20	1549.98	9.8	< 1520.00
06/16/23[2]	476	158	1537.85	86	1542.24	125	1544.60	107	1533.27	64	1547.46	108	1548.74	50	1549.88	20	1549.98	9.9	< 1520.00
06/17/23	479	159	1537.81	86	1542.33	126	1544.56	108	1533.20	64	1547.44	108	1548.72	50	1549.87	20	1549.98	9.9	< 1520.00
06/18/23	479	159	1537.64	86	1542.28	126	1544.50	108	1533.07	64	1547.39	108	1548.68	50	1549.83	20	1549.95	9.9	< 1520.00
06/19/23	478	159	1537.62	86	1542.27	126	1544.48	108	1533.04	64	1547.36	108	1548.65	50	1549.81	20	1549.93	9.9	< 1520.00
06/20/23[2]	467	154	1537.94	86	1542.39	122	1544.65	105	1533.45	63	1547.43	105	1548.74	48	1549.90	20	1549.97	9.6	< 1520.00
06/21/23	477	158	1537.63	86	1542.28	125	1544.48	108	1533.05	64	1547.34	108	1548.65	49	1549.82	20	1549.93	9.9	< 1520.00
06/22/23	477	158	1537.66	86	1542.25	125	1544.49	108	1533.07	64	1547.34	108	1548.64	49	1549.82	20	1549.92	9.8	< 1520.00
06/23/23	476	158	1537.72	85	1542.32	125	1544.50	108	1533.09	64	1547.33	108	1548.64	49	1549.82	20	1549.93	9.8	< 1520.00
06/24/23	476	158	1537.64	85	1542.31	125	1544.48	108	1533.01	64	1547.31	108	1548.63	49	1549.81	19	1549.95	9.8	< 1520.00
06/25/23	476	158	1537.60	85	1542.31	125	1544.47	108	1532.98	64	1547.31	108	1548.63	49	1549.81	19	1549.95	9.8	< 1520.00
06/26/23[2]	474	156	1537.80	89	1542.40	123	1544.57	106	1533.23	63	1547.36	107	1548.69	49	1549.85	19	1549.98	9.7	< 1520.00
06/27/23	476	158	1537.61	85	1542.33	125	1544.47	108	1533.01	64	1547.30	108	1548.63	49	1549.79	19	1549.95	9.8	< 1520.00
06/28/23	476	158	1537.61	85	1542.34	125	1544.47	107	1533.01	64	1547.29	108	1548.62	49	1549.80	19	1549.95	9.8	< 1520.00
06/29/23	476	158	1537.59	85	1542.36	125	1544.46	107	1532.99	64	1547.28	108	1548.62	49	1549.80	19	1549.94	9.8	< 1520.00
06/30/23	476	158	1537.56	85	1542.36	125	1544.45	107	1532.96	64	1547.27	108	1548.61	49	1549.80	19	1549.93	9.8	< 1520.00
Monthly Average	471	156	1537.75	86	1542.26	124	1544.51	106	1533.26	63	1547.41	107	1548.68	49	1549.85	19	1549.97	9.7	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[4] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		14	6/13/2023	14	6/13/2023	7.1	6/13/2023	8.4	6/13/2023	2.2	6/13/2023	0.52	6/13/2023	0.068	6/13/2023	0.12	6/13/2023	0.90	6/13/2023
Hexavalent Chromium		0.0059	6/13/2023	0.00028 J	6/13/2023	ND	6/13/2023	0.0065	6/13/2023	ND	6/13/2023	ND	6/13/2023	ND	6/13/2023	ND	6/13/2023	ND	6/13/2023
Total Chromium		0.0038 J	6/13/2023	ND	6/13/2023	ND	6/13/2023	0.0051 J	6/13/2023	ND	6/13/2023	ND	6/13/2023	ND	6/13/2023	ND	6/13/2023	ND	6/13/2023

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 Eurofins TestAmerica.

2: On 06/01, 06/14, 06/16, 06/20, and 06/26 SWF wells offline due to maintenance

3: On 06/14, LS #1 offline briefly due to maintenance.

4: Duplicates taken on 06/13 for well PC-120; average of both values is presented and used for calculations.

Table Updated: 7/13/2023

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[3] (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[5] (gpm)	PC-150 Water Elevation (ft amsl)
06/01/23	396	42	1583.69	142	1583.98	21	1582.72	3.5	1578.74	37	1576.65	25	1578.98	171	1582.77	1.5	1578.85
06/02/23	443	42	1583.69	142	1583.98	21	1582.72	3.5	1578.74	37	1576.66	25	1578.98	171	1582.77	1.5	1578.85
06/03/23	443	42	1583.70	142	1583.98	21	1582.73	3.5	1578.74	37	1576.66	25	1578.98	171	1582.77	1.5	1578.85
06/04/23	443	42	1583.70	142	1583.99	21	1582.73	3.5	1578.74	37	1576.66	25	1578.98	171	1582.78	1.5	1578.85
06/05/23	443	42	1583.71	142	1583.99	21	1582.73	3.5	1578.74	37	1576.65	25	1578.98	171	1582.78	1.5	1578.85
06/06/23	443	42	1583.72	142	1584.00	21	1582.73	3.5	1578.74	37	1576.65	25	1578.98	171	1582.79	1.5	1578.85
06/07/23	443	42	1583.72	142	1583.99	21	1582.73	3.5	1578.73	37	1576.64	25	1578.98	171	1582.78	1.5	1578.85
06/08/23	443	42	1583.73	142	1584.00	21	1582.74	3.5	1578.74	37	1576.65	25	1578.98	171	1582.79	1.5	1578.85
06/09/23	443	42	1583.73	142	1584.00	21	1582.74	3.5	1578.74	37	1576.66	25	1578.97	171	1582.79	1.5	1578.85
06/10/23	443	42	1583.74	142	1584.01	21	1582.75	3.5	1578.74	37	1576.68	25	1578.97	171	1582.80	1.5	1578.85
06/11/23	443	42	1583.74	142	1584.01	21	1582.74	3.5	1578.74	37	1576.67	25	1578.97	171	1582.80	1.5	1578.85
06/12/23	443	42	1583.74	142	1584.01	21	1582.75	3.5	1578.73	37	1576.66	25	1578.97	171	1582.80	1.5	1578.85
06/13/23	443	42	1583.75	142	1584.01	21	1582.75	3.5	1578.74	37	1576.68	25	1578.97	171	1582.80	1.5	1578.85
06/14/23	443	42	1583.76	142	1584.03	21	1582.76	3.5	1578.74	37	1576.69	25	1578.97	171	1582.81	1.5	1578.85
06/15/23	444	42	1583.76	142	1584.02	21	1582.75	3.5	1578.74	37	1576.67	25	1578.97	172	1582.80	1.5	1578.85
06/16/23	444	42	1583.75	142	1584.01	21	1582.75	3.5	1578.74	37	1576.65	25	1578.96	171	1582.79	1.5	1578.85
06/17/23	444	42	1583.77	142	1584.02	21	1582.75	3.5	1578.74	37	1576.65	25	1578.96	172	1582.80	1.5	1578.85
06/18/23	444	42	1583.77	142	1584.03	21	1582.76	3.5	1578.74	37	1576.66	25	1578.97	172	1582.81	1.5	1578.85
06/19/23	444	42	1583.77	142	1584.02	21	1582.76	3.5	1578.74	37	1576.65	25	1578.96	171	1582.81	1.5	1578.85
06/20/23	444	42	1583.77	142	1584.02	21	1582.76	3.5	1578.74	37	1576.63	25	1578.96	171	1582.81	1.5	1578.85
06/21/23	408	42	1583.78	142	1584.03	21	1582.76	3.5	1578.74	37	1576.63	25	1578.96	171	1582.81	1.5	1578.85
06/22/23	407	42	1583.78	142	1584.03	21	1582.76	3.5	1578.74	37	1576.66	25	1578.96	171	1582.82	1.5	1578.85
06/23/23	397	42	1583.79	142	1584.03	21	1582.76	3.5	1578.74	37	1576.65	25	1578.96	171	1582.81	1.5	1578.85
06/24/23	394	42	1583.79	142	1584.03	21	1582.76	3.5	1578.74	37	1576.65	25	1578.96	171	1582.81	1.5	1578.85
06/25/23	394	42	1583.78	142	1584.02	21	1582.76	3.5	1578.74	37	1576.66	25	1578.96	171	1582.81	1.5	1578.85
06/26/23[2]	390	41	1583.82	140	1584.09	21	1582.80	3.5	1578.79	37	1576.72	25	1579.01	169	1582.86	1.5	1578.93
06/27/23	393	42	1583.80	142	1584.04	21	1582.76	3.5	1578.74	37	1576.63	25	1578.96	171	1582.82	1.5	1578.85
06/28/23	394	42	1583.79	142	1584.02	21	1582.75	3.5	1578.74	37	1576.65	25	1578.96	171	1582.81	1.5	1578.85
06/29/23	394	42	1583.78	142	1584.01	21	1582.74	3.5	1578.74	37	1576.64	25	1578.96	171	1582.80	1.5	1578.85
06/30/23	394	42	1583.77	142	1584.00	21	1582.74	3.5	1578.74	37	1576.65	25	1578.96	171	1582.79	1.5	1578.85
Monthly Average	426	42	1583.75	142	1584.01	21	1582.75	3.5	1578.74	37	1576.66	25	1578.97	171	1582.80	1.5	1578.85
Analytical[1]		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[4] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		23	6/15/2023	5.8	6/15/2023	160	6/15/2023	120	6/15/2023	150	6/15/2023	71	6/15/2023	50	6/15/2023	45	6/15/2023
Hexavalent Chromium		ND	6/15/2023	0.0026	6/15/2023	0.29	6/15/2023	0.18	6/15/2023	0.59	6/15/2023	0.47	6/15/2023	0.058	6/15/2023	0.051	6/15/2023
Total Chromium		ND	6/15/2023	ND	6/15/2023	0.29	6/15/2023	0.20	6/15/2023	0.59	6/15/2023	0.52	6/15/2023	0.053	6/15/2023	0.054	6/15/2023

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).

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 Eurofins TestAmerica.

2: On 06/26 AWF offline due to maintenance.

3: On 06/02 LS #3 flow meter faulted; calculated totals from AWF wells are presented.

4: Duplicates taken on 06/15 for well ART-4/4A; average of both values is presented and used for calculations.

5: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 06/01 to 06/30 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zerc flow because totalizer units are 1,000 gallons.

Table Updated: 7/13/2023

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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow [2] (gpm)	Water Elevation (ft amsl)	Flow [3] (gpm)	Water Elevation (ft amsl)	Flow [4] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow [5 6 7 8] (gpm)	Water Elevation (ft amsl)	Flow [8] (gpm)	Water Elevation (ft amsl)	Flow [8 9] (gpm)	Water Elevation (ft amsl)
06/01/23	0.22	1715.13	0.88	1707.66	0.0	1718.75	0.0	1723.41	0.31	1722.73	0.36	1709.80	2.6	1708.72	1.1	1705.64	0.96	1713.67	2.2	1709.14
06/02/23	0.21	1715.12	0.88	1707.66	0.0	1718.76	0.0	1723.36	0.31	1722.72	0.35	1709.75	2.6	1708.73	1.1	1705.64	0.97	1713.73	2.2	1709.13
06/03/23	0.21	1715.12	0.88	1707.66	0.0	1718.75	0.0	1723.35	0.31	1722.72	0.30	1709.76	2.6	1708.73	1.1	1705.64	0.97	1713.71	2.2	1709.14
06/04/23	0.21	1715.12	0.88	1707.66	0.0	1718.74	0.0	1723.34	0.31	1722.72	0.29	1709.81	2.5	1708.73	1.1	1705.64	0.97	1713.66	2.2	1709.16
06/05/23	0.21	1715.12	0.88	1707.66	0.0	1718.75	0.0	1723.35	0.31	1722.73	0.31	1709.80	2.5	1708.73	1.1	1705.64	0.97	1713.62	2.2	1709.16
06/06/23	0.21	1715.13	0.88	1707.66	0.020	1718.33	0.0	1723.37	0.31	1722.72	0.30	1709.79	2.6	1708.72	1.1	1705.64	0.97	1713.64	2.2	1709.16
06/07/23	0.21	1715.13	0.88	1707.65	0.0	1718.74	0.0	1723.40	0.31	1722.71	0.34	1709.80	2.6	1708.72	1.1	1705.64	0.96	1713.67	2.2	1709.16
06/08/23	0.21	1715.14	0.88	1707.66	0.0	1718.74	0.0	1723.39	0.31	1722.71	0.37	1709.80	2.6	1708.71	1.1	1705.41	0.98	1713.67	2.2	1709.18
06/09/23	0.21	1715.15	0.88	1707.65	0.0	1718.74	0.0	1723.35	0.31	1722.70	0.34	1709.78	2.6	1708.71	1.1	1705.41	0.96	1713.70	2.2	1709.19
06/10/23	0.21	1715.15	0.87	1707.65	0.0	1718.76	0.0	1723.36	0.00	1721.79	0.32	1709.77	2.6	1708.71	1.1	1705.41	0.97	1713.72	1.5	1711.68
06/11/23	0.21	1715.15	0.88	1707.65	0.0	1718.76	0.0	1723.38	0.53	1721.32	0.37	1709.75	2.6	1708.71	1.1	1705.41	0.98	1713.77	0.0	1717.96
06/12/23	0.21	1715.15	0.88	1707.65	0.0	1718.77	0.011	1722.84	0.53	1721.34	0.39	1709.70	2.6	1708.71	1.1	1705.41	0.98	1713.87	2.0	1715.08
06/13/23	0.21	1715.15	0.88	1707.65	0.0	1718.79	0.0	1723.38	0.53	1721.36	0.38	1709.66	2.6	1708.71	1.1	1705.41	0.97	1713.88	2.9	1709.02
06/14/23	0.21	1715.15	0.88	1707.65	0.0	1718.81	0.0	1723.34	0.52	1721.39	0.35	1709.67	2.6	1708.71	1.1	1705.41	0.97	1713.85	2.6	1709.08
06/15/23	0.21	1715.15	0.88	1707.65	0.0	1718.84	0.0	1723.33	0.52	1721.40	0.33	1709.67	2.6	1708.71	1.1	1705.38	0.97	1713.83	2.4	1709.02
06/16/23	0.21	1715.15	0.88	1707.65	0.0	1718.84	0.0	1723.41	0.51	1721.42	0.35	1709.68	2.6	1708.71	1.1	1705.61	0.97	1713.82	2.4	1709.03
06/17/23	0.19	1715.40	0.75	1709.17	0.0	1718.85	0.0	1723.32	0.72	1718.77	0.32	1710.90	2.2	1710.62	0.95	1707.04	0.83	1714.56	2.0	1710.18
06/18/23	0.12	1722.57	0.57	1712.46	0.0	1719.29	0.0	1723.15	0.40	1721.97	0.26	1713.74	1.7	1713.90	0.77	1710.00	0.58	1716.51	2.3	1715.07
06/19/23	0.23	1716.19	0.89	1707.65	0.0	1719.03	0.0	1723.34	0.68	1720.34	0.38	1709.55	2.7	1708.74	1.2	1705.61	0.96	1714.23	2.9	1709.06
06/20/23	0.20	1715.57	0.89	1707.65	0.0	1718.95	0.0	1723.29	0.68	1720.29	0.36	1709.59	2.7	1708.74	1.2	1705.61	0.95	1714.19	2.6	1709.03
06/21/23	0.19	1716.25	0.88	1707.65	0.0	1718.91	0.0	1723.26	0.69	1720.23	0.34	1709.60	2.6	1708.74	1.2	1705.61	0.94	1714.16	2.4	1708.99
06/22/23	0.18	1716.64	0.88	1707.65	0.0	1718.88	0.0	1723.26	0.69	1720.15	0.35	1709.61	2.6	1708.73	1.2	1705.43	0.94	1714.15	2.4	1709.01
06/23/23	0.19	1716.62	0.88	1707.65	0.0	1718.85	0.0	1723.25	0.69	1720.16	0.36	1709.60	2.6	1708.73	1.2	1705.43	0.94	1714.14	2.3	1709.01
06/24/23	0.19	1716.33	0.87	1707.65	0.0	1718.83	0.0	1723.21	0.69	1720.15	0.34	1709.60	2.6	1708.73	1.1	1705.43	0.94	1714.11	2.3	1709.02
06/25/23	0.19	1716.26	0.87	1707.66	0.0	1718.81	0.0	1723.21	0.69	1720.16	0.33	1709.61	2.6	1708.74	1.1	1705.43	0.94	1714.08	2.3	1709.04
06/26/23	0.18	1716.43	0.87	1707.66	0.0	1718.79	0.0	1723.21	0.69	1720.16	0.33	1709.60	2.6	1708.74	1.1	1705.43	0.94	1714.07	2.2	1709.04
06/27/23	0.18	1716.51	0.87	1707.66	0.0	1718.77	0.0	1723.20	0.69	1720.16	0.33	1709.61	2.6	1708.73	1.1	1705.43	0.94	1714.06	2.2	1709.06
06/28/23	0.19	1716.52	0.86	1707.66	0.0	1718.76	0.0	1723.19	0.69	1720.15	0.32	1709.60	2.6	1708.73	1.1	1705.43	0.94	1714.05	2.2	1709.07
06/29/23	0.19	1716.23	0.86	1707.66	0.0	1718.76	0.0	1723.16	0.69	1720.15	0.34	1709.60	2.5	1708.74	1.1	1705.43	0.98	1713.21	2.2	1709.06
06/30/23	0.19	1716.19	0.86	1707.66	0.0	1718.68	0.0	1723.15	0.69	1720.13	0.38	1709.81	2.5	1708.73	1.1	1705.66	1.1	1708.62	2.2	1709.07
Monthly Average	0.20	1715.86	0.86	1707.87	0.0	1718.80	0.0	1723.29	0.51	1721.25	0.34	1709.87	2.5	1708.96	1.1	1705.71	0.95	1713.80	2.2	1709.90
Analytical[1]	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	330	6/6/2023	23	6/6/2023	48	6/6/2023	180	6/12/2023	170	6/12/2023	200	6/6/2023	400	6/8/2023	430	6/8/2023	420	6/8/2023	570	6/8/2023
Hexavalent Chromium	0.95	6/6/2023	0.047	6/6/2023	0.010	6/6/2023	1.7	6/12/2023	1.7	6/12/2023	0.12	6/6/2023	2.5	6/8/2023	4.0	6/8/2023	5.6	6/8/2023	11	6/8/2023
Total Chromium	1.0 B	6/6/2023	0.048 B	6/6/2023	0.015 B	6/6/2023	1.8	6/12/2023	1.8	6/12/2023	0.14 B	6/6/2023	2.7	6/8/2023	4.5	6/8/2023	5.9	6/8/2023	12	6/8/2023

Notes:

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

B = Compound was found in the blank and sample.

1: Analytical results are reported from Eurofins TestAmerica.

2: On 06/06, I-AB online for sampling.

3: On 06/12, I-AC online for sampling.

4: On 06/17, I-AD adjusted to meet flow targets as directed by the Trust.

5: On 06/08, I-D water level taken manually due to water level dropping below transducer level.

6: On 06/15, I-D, I-L, I-S, and I-Y water level taken manually due to water level dropping below transducer level.

7: On 06/22, I-D, I-H, I-S, and I-Y water level taken manually due to water level dropping below transducer level or to verify PLC reading.

8: On 06/29, I-D, I-E, I-F, I-H, I-L, I-M, I-N,I-P, I-R, I-S, I-W, and I-X adjusted to meet flow targets as directed by the Trust.

9: From 06/10 to 06/12, I-F offline due to maintenance

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 (gpm)	Water Elevation (ft amsl)	Flow [7 8 10] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow [11] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow [6 8 13] (gpm)	Water Elevation (ft amsl)	Flow [8 12] (gpm)	Water Elevation (ft amsl)	Flow [8 12] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow [8] (gpm)	Water Elevation (ft amsl)
06/01/23	0.22	1711.27	0.59	1716.54	3.5	1720.89	5.6	1711.97	3.0	1708.67	1.1	< 1713.92	0.96	1719.23	1.8	1715.15	1.2	1720.31	1.7	1718.98
06/02/23	0.22	1711.27	0.59	1715.19	3.4	1720.87	5.6	1711.97	3.0	1708.67	1.1	< 1713.92	0.96	1719.28	1.8	1715.20	1.1	1720.29	1.7	1718.92
06/03/23	0.22	1711.27	0.57	1714.36	3.3	1720.86	5.6	1711.97	3.0	1708.67	1.1	< 1713.92	1.9	1716.98	1.9	1714.74	1.1	1720.26	1.7	1718.86
06/04/23	0.22	1711.27	0.55	1713.57	3.3	1720.84	5.6	1711.97	3.0	1708.67	1.1	< 1713.92	1.8	1717.12	1.8	1714.84	1.1	1720.22	1.7	1718.81
06/05/23	0.22	1711.27	0.56	1712.72	3.3	1720.83	5.6	1711.98	3.0	1708.73	1.1	< 1713.92	1.7	1717.23	1.7	1715.28	1.1	1720.17	1.7	1718.76
06/06/23	0.22	1711.27	0.58	1712.00	3.4	1720.82	5.6	1711.97	2.9	1708.75	1.1	< 1711.39	1.7	1717.40	1.5	1716.39	1.1	1720.13	1.7	1718.70
06/07/23	0.22	1711.27	0.61	1711.19	3.6	1720.80	5.5	1711.97	2.9	1708.75	1.0	< 1711.39	1.6	1717.51	1.5	1716.65	1.1	1720.07	1.7	1718.61
06/08/23	0.21	1711.27	0.64	1710.49	3.6	1720.79	5.5	1711.97	2.9	1708.72	1.0	< 1711.39	1.6	1717.59	1.5	1716.71	1.2	1720.02	1.8	1718.48
06/09/23	0.22	1711.27	0.62	1710.19	3.4	1720.79	5.5	1711.98	2.9	1708.73	1.0	< 1711.39	1.5	1717.70	1.5	1716.75	1.2	1719.98	1.8	1718.39
06/10/23	0.22	1711.27	0.60	1709.77	3.3	1720.78	5.5	1711.98	2.9	1708.72	1.0	< 1711.39	1.5	1717.81	1.5	1716.83	1.1	1719.95	1.8	1718.34
06/11/23	0.22	1711.27	0.62	1709.54	3.5	1720.77	5.5	1711.98	2.9	1708.72	1.0	< 1711.39	1.5	1717.90	1.5	1717.00	1.1	1719.91	1.8	1718.28
06/12/23	0.22	1711.27	0.62	1709.56	3.6	1720.75	5.5	1711.98	2.9	1708.68	1.0	< 1711.39	1.4	1718.02	1.5	1717.68	1.2	1719.84	1.8	1718.22
06/13/23	0.22	1711.27	0.59	1709.52	3.4	1720.74	5.5	1711.97	2.9	1708.69	0.99	< 1711.39	1.4	1718.11	1.5	1717.66	1.1	1719.78	1.8	1718.18
06/14/23	0.22	1711.27	0.56	1709.53	3.3	1720.74	5.5	1711.97	2.9	1708.69	0.98	< 1711.39	1.4	1718.17	1.5	1717.43	1.1	1719.75	1.8	1718.15
06/15/23	0.21	1711.27	0.56	1709.54	3.3	1720.73	5.5	1711.98	2.9	1708.70	0.98	< 1711.46	1.4	1718.23	1.5	1717.25	1.1	1719.71	1.8	1718.11
06/16/23	0.21	1711.27	0.60	1709.53	3.6	1720.72	5.5	1711.97	2.9	1708.68	0.98	< 1711.46	1.4	1718.34	1.6	1716.91	1.1	1719.69	1.8	1718.02
06/17/23	0.18	1712.08	0.51	1710.92	3.1	1720.88	4.7	1713.91	2.5	1710.20	0.83	1714.91	1.1	1718.73	1.3	1717.03	0.94	1719.83	1.5	1718.32
06/18/23	0.12	1715.85	0.29	1719.80	2.0	1721.78	3.8	1717.52	2.0	1712.99	0.34	1719.46	0.54	1719.95	1.0	1718.72	0.48	1720.84	1.0	1719.91
06/19/23	0.22	1711.30	0.44	1719.31	3.3	1721.15	5.8	1711.96	3.1	1708.65	0.52	1718.21	1.7	1718.05	1.8	1717.36	0.71	1720.67	1.7	1719.31
06/20/23	0.22	1711.29	0.44	1719.31	3.4	1721.00	5.7	1711.96	3.0	1708.67	0.52	1718.06	1.5	1718.25	1.8	1716.72	0.85	1720.56	1.7	1719.18
06/21/23	0.22	1711.29	0.44	1719.23	3.3	1720.93	5.6	1711.96	3.0	1708.69	0.57	1717.70	1.5	1718.33	1.7	1716.52	0.86	1720.50	1.7	1719.08
06/22/23	0.22	1711.28	0.44	1719.22	3.3	1720.88	5.5	1711.96	3.0	1708.70	0.63	1717.20	1.5	1718.38	1.7	1716.38	0.82	1720.46	1.7	1719.02
06/23/23	0.22	1711.28	0.46	1719.18	3.4	1720.84	5.5	1711.96	2.9	1708.70	0.60	1717.34	1.4	1718.43	1.7	1716.00	0.78	1720.43	1.7	1718.95
06/24/23	0.22	1711.28	0.46	1719.08	3.3	1720.80	5.5	1711.96	2.9	1708.71	0.62	1717.19	1.4	1718.47	1.7	1715.88	0.86	1720.38	1.7	1718.90
06/25/23	0.22	1711.28	0.44	1719.11	3.3	1720.79	5.5	1711.96	2.9	1708.71	0.63	1717.07	1.4	1718.54	1.7	1715.81	0.84	1720.36	1.7	1718.88
06/26/23	0.22	1711.27	0.44	1719.10	3.3	1720.78	5.5	1711.96	2.9	1708.70	0.64	1716.99	1.3	1718.59	1.7	1715.76	0.76	1720.35	1.7	1718.87
06/27/23	0.22	1711.27	0.45	1719.09	3.3	1720.77	5.5	1711.96	2.9	1708.70	0.64	1716.92	1.3	1718.62	1.7	1715.74	0.73	1720.35	1.7	1718.85
06/28/23	0.22	1711.28	0.45	1719.04	3.3	1720.76	5.5	1711.96	2.9	1708.70	0.66	1716.79	1.3	1718.68	1.7	1715.74	0.73	1720.34	1.7	1718.83
06/29/23	0.22	1711.28	0.48	1717.32	3.2	1720.75	5.4	1711.96	2.9	1708.70	0.78	1716.23	1.5	1718.21	1.7	1715.55	0.78	1720.31	1.7	1718.76
06/30/23	0.22	1711.28	0.57	1709.44	3.2	1720.73	5.4	1711.96	2.9	1708.70	1.2	< 1714.00	2.2	1716.03	1.8	1714.75	0.79	1720.20	1.8	1718.30
Monthly Average	0.21	1711.45	0.53	1714.41	3.3	1720.85	5.5	1712.22	2.9	1708.89	0.86	1714.44	1.4	1718.13	1.6	1716.35	0.97	1720.19	1.7	1718.70
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	840	6/8/2023	570	6/8/2023	340	6/12/2023	150	6/12/2023	210	6/12/2023	300	6/6/2023	570	6/8/2023	520	6/8/2023	570	6/8/2023	570	6/8/2023
Hexavalent Chromium	16	6/8/2023	11	6/8/2023	6.0	6/12/2023	3.2	6/12/2023	2.3	6/12/2023	1.3	6/6/2023	4.8 V	6/8/2023	6.7	6/8/2023	9.1 V	6/8/2023	9.7	6/8/2023
Total Chromium	16	6/8/2023	12	6/8/2023	7.5	6/12/2023	3.4	6/12/2023	2.4	6/12/2023	1.4 B	6/6/2023	5.2	6/8/2023	8.6	6/8/2023	10	6/8/2023	10	6/8/2023

Notes:

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

B = Compound was found in the blank and sample.

V = The sample concentration was too high to evaluate accurate spike recoveries.

1: Analytical results are reported from Eurofins TestAmerica.

6: On 06/15, I-D, I-L, I-S, and I-Y water level taken manually due to water level dropping below transducer level.

7: On 06/22, I-D, I-H, I-S, and I-Y water level taken manually due to water level dropping below transducer level or to verify PLC reading.

8: On 06/29, I-D, I-E, I-F, I-H, I-L, I-M, I-N,I-P, I-R, I-S, I-W, and I-X adjusted to meet flow targets as directed by the Trust.

10: On 06/10, I-H water level taken manually to verify PLC reading.

11: Duplicates taken on 06/12 for well I-J; average of both values is presented and used for calculations.

12: On 06/03, I-M and I-N adjusted to meet flow targets as directed by the Trust.

13: On 06/06, I-L, I-S and I-Y water level taken manually due to water level dropping below transducer level.

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 [8] (gpm)	Water Elevation (ft amsl)	Flow [6 7 8 13] (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] (gpm)	Water Elevation (ft amsl)	Flow [8] (gpm)	Water Elevation (ft amsl)	Flow [6 7 13] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
06/01/23	0.22	1715.51	0.91	1715.83	1.6	< 1707.23	0.70	1707.65	0.70	1709.58	4.2	1717.70	0.58	1717.12	2.7	< 1698.49	1.2	< 1700.85	7.4	1710.13
06/02/23	0.22	1715.47	0.81	1716.65	1.6	< 1707.23	0.70	1707.65	0.70	1709.40	4.2	1717.63	0.57	1717.13	2.8	< 1698.49	1.2	< 1700.85	6.8	1710.14
06/03/23	0.22	1715.46	0.95	1715.36	1.6	< 1707.23	0.70	1707.65	0.70	1709.27	4.2	1717.58	0.57	1717.01	2.8	< 1698.49	1.2	< 1700.85	6.2	1710.13
06/04/23	0.22	1715.46	0.98	1715.37	1.6	< 1707.23	0.70	1707.65	0.71	1709.10	4.2	1717.53	0.55	1717.40	2.8	< 1698.50	1.2	< 1700.85	6.1	1710.13
06/05/23	0.22	1715.45	0.96	1715.65	1.6	< 1707.23	0.69	1707.65	0.71	1709.10	4.2	1717.48	0.55	1716.99	2.8	< 1698.50	1.2	< 1700.85	6.1	1710.14
06/06/23	0.22	1715.44	0.93	1715.68	1.6	< 1706.79	0.69	1707.65	0.70	1709.18	4.2	1717.44	0.55	1717.04	2.8	< 1698.49	1.2	< 1700.36	6.3	1710.14
06/07/23	0.22	1715.46	0.93	1715.13	1.6	< 1706.79	0.69	1707.65	0.70	1709.14	4.2	1717.38	0.53	1717.36	2.8	< 1698.48	1.2	< 1700.36	6.9	1710.14
06/08/23	0.22	1715.46	0.94	1715.39	1.6	< 1706.79	0.69	1707.64	0.70	1709.07	4.2	1717.33	0.52	1717.53	2.8	< 1698.47	1.2	< 1700.36	6.9	1710.13
06/09/23	0.22	1715.45	0.88	1715.84	1.6	< 1706.79	0.69	1707.64	0.70	1709.01	4.2	1717.29	0.53	1717.11	2.8	< 1698.46	1.2	< 1700.36	7.0	1710.13
06/10/23	0.22	1715.46	0.84	1716.27	1.6	< 1706.79	0.69	1707.64	0.70	1708.93	4.2	1717.26	0.52	1717.25	2.8	< 1698.46	1.2	< 1700.36	7.1	1710.14
06/11/23	0.22	1715.83	0.82	1716.40	1.6	< 1706.79	0.69	1707.64	0.71	1708.76	4.2	1717.22	0.52	1717.19	3.1	< 1698.96	1.2	< 1700.36	7.2	1710.15
06/12/23	0.22	1716.04	0.82	1716.62	1.6	< 1706.79	0.69	1707.64	0.71	1708.76	4.2	1717.18	0.52	1716.86	3.1	1701.64	1.2	< 1700.36	7.2	1710.14
06/13/23	0.24	1715.60	0.80	1716.74	1.6	< 1706.79	0.69	1707.64	0.71	1708.76	4.2	1717.15	0.51	1717.09	3.0	< 1698.31	1.3	< 1700.36	7.2	1710.14
06/14/23	0.27	1715.05	0.81	1716.75	1.6	< 1706.79	0.68	1707.64	0.70	1708.85	4.2	1717.12	0.50	1717.40	2.9	< 1698.43	1.2	< 1700.36	6.9	1710.14
06/15/23	0.27	1715.02	0.84	1716.87	1.6	< 1706.88	0.68	1707.64	0.70	1708.90	4.2	1717.08	0.50	1717.07	2.9	< 1698.43	1.3	< 1700.36	6.7	1710.14
06/16/23	0.26	1714.98	0.91	1716.87	1.6	< 1706.88	0.68	1707.64	0.71	1708.78	4.2	1717.02	0.51	1716.80	2.9	< 1698.43	1.3	< 1700.36	7.2	1710.14
06/17/23	0.22	1715.26	0.73	1717.54	1.4	< 1706.88	0.58	1709.00	0.60	1710.26	3.6	1717.66	0.43	1717.44	2.4	1701.10	1.1	1707.00	5.7	1711.72
06/18/23	0.13	1716.50	0.39	1720.72	1.1	< 1706.88	0.48	1712.32	0.24	1717.60	2.6	1720.13	0.27	1720.34	1.9	1710.65	0.87	1711.82	4.7	1714.82
06/19/23	0.20	1715.89	0.67	1718.75	1.7	< 1706.88	0.70	1707.66	0.73	1709.08	4.2	1718.40	0.45	1719.64	3.0	< 1698.65	1.4	< 1705.00	7.4	1710.39
06/20/23	0.20	1715.74	0.69	1718.49	1.7	< 1706.88	0.70	1707.66	0.71	1709.10	4.2	1718.05	0.47	1719.44	2.9	< 1698.28	1.3	< 1705.00	7.4	1710.37
06/21/23	0.19	1715.74	0.70	1718.38	1.7	< 1706.88	0.70	1707.66	0.65	1710.20	4.2	1717.83	0.48	1719.29	2.9	< 1698.30	1.3	< 1705.00	7.2	1710.35
06/22/23	0.20	1715.71	0.71	1718.28	1.7	1713.89	0.70	1707.66	0.61	1711.45	4.2	1717.69	0.49	1719.19	2.9	< 1698.29	1.3	< 1700.35	6.9	1710.34
06/23/23	0.20	1715.66	0.70	1718.23	1.7	1713.89	0.70	1707.66	0.60	1711.52	4.2	1717.57	0.51	1719.03	2.8	< 1698.29	1.3	< 1700.35	7.0	1710.33
06/24/23	0.20	1715.65	0.71	1718.10	1.7	1713.89	0.70	1707.66	0.58	1711.81	4.2	1717.46	0.53	1718.61	2.8	< 1698.31	1.3	< 1700.35	6.9	1710.32
06/25/23	0.20	1715.65	0.71	1718.08	1.7	1713.89	0.70	1707.66	0.50	1713.29	4.2	1717.39	0.54	1718.34	2.8	< 1698.34	1.3	< 1700.35	6.7	1710.32
06/26/23	0.20	1715.65	0.70	1718.08	1.7	1713.89	0.70	1707.66	0.51	1713.23	4.2	1717.35	0.53	1718.54	2.8	< 1698.42	1.3	< 1700.35	6.7	1710.31
06/27/23	0.20	1715.65	0.70	1717.99	1.7	1713.89	0.70	1707.66	0.52	1712.91	4.2	1717.31	0.53	1718.42	2.8	< 1698.43	1.3	< 1700.35	6.8	1710.29
06/28/23	0.20	1715.65	0.73	1717.94	1.2	1724.33	0.70	1707.66	0.52	1712.93	4.2	1717.27	0.53	1718.43	2.8	< 1698.42	1.3	< 1700.35	6.7	1710.29
06/29/23	0.19	1715.65	0.84	1717.34	0.92	1717.89	0.70	1707.66	0.57	1711.97	4.2	1717.22	0.56	1716.98	2.8	< 1698.44	1.3	< 1700.17	6.3	1710.28
06/30/23	0.20	1715.63	1.1	1714.36	0.65	1718.25	0.69	1707.66	0.74	1707.69	4.2	1717.13	0.66	1710.00	2.8	< 1698.53	1.3	< 1700.17	6.2	1710.28
Monthly Average	0.21	1715.57	0.81	1716.99	1.5	1709.64	0.68	1707.85	0.64	1710.25	4.2	1717.53	0.52	1717.60	2.8	1699.05	1.2	< 1701.49	6.7	1710.42
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	540	6/8/2023	570	6/6/2023	320	6/6/2023	730	6/8/2023	760	6/8/2023	500	6/12/2023	540	6/8/2023	590	6/8/2023	410	6/6/2023	160	6/12/2023
Hexavalent Chromium	12	6/8/2023	0.76	6/6/2023	1.5	6/6/2023	14	6/8/2023	12	6/8/2023	6.6	6/12/2023	9.2	6/8/2023	9.0	6/8/2023	1.2	6/6/2023	4.3	6/12/2023
Total Chromium	13	6/8/2023	0.85 B	6/6/2023	1.6 B	6/6/2023	15	6/8/2023	14	6/8/2023	8.3	6/12/2023	9.9	6/8/2023	9.8	6/8/2023	1.2 B	6/6/2023	4.6	6/12/2023

Notes:

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

B = Compound was found in the blank and sample.

1: Analytical results are reported from Eurofins TestAmerica.

6: On 06/15, I-D, I-L, I-S, and I-Y water level taken manually due to water level dropping below transducer level.

7: On 06/22, I-D, I-H, I-S, and I-Y water level taken manually due to water level dropping below transducer level or to verify PLC reading.

8: On 06/29, I-D, I-E, I-F, I-H, I-L, I-M, I-N,I-P, I-R, I-S, I-W, and I-X adjusted to meet flow targets as directed by the Trust.

13: On 06/06, I-L, I-S and I-Y water level taken manually due to water level dropping below transducer level.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics																				
Date	LS #2	GWTP Effluent[2]				GW-11 Influent[1]				Unit 4 Influent[1]					FBR Plant Influent[1]						
	Flow[3] (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	PA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	Flow (gpm)	TA - Cr (TR) (mg/L)	PA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	Flow (gpm)	PA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	TA - ClO_3 (mg/L)	TA - NO_3 - N (mg/L)	Flow (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)	PA - Cr (VI) (mg/L)
06/01/23	756	59				0.0				3.9					933		36				
06/02/23	922	64				0.0				3.8					986		39				
06/03/23	922	63				0.0				3.8					987	52	33				
06/04/23	922	62				0.0				3.8					1007		31				
06/05/23	921	61				0.0				3.8					982		52				
06/06/23	921	60				0.0				3.7					981		50				
06/07/23	919	60	0.59	ND	410	0.0				3.6	24	690	4300	14	979		49	100	8.5	0.12	0.048
06/08/23	921	60				0.0				3.6					981		46				
06/09/23	921	60				0.0				3.8					981		47				
06/10/23	921	60				0.0				3.8					981	60	47				
06/11/23	922	60				0.0				3.8					982		48				
06/12/23	921	58				0.0				3.8					979		48				
06/13/23	921	64				0.0				3.8					985		48				
06/14/23	853	60	0.82	ND	390	1.8	0.21	0.057	45	3.8	27	650	4700	15	992		50		8.3	0.21	0.043
06/15/23	919	60				0.0				3.8					979		50				
06/16/23	921	60				0.0				3.7					993		48				
06/17/23	923	52				113				3.5					861	53	49				
06/18/23	923	33				319				1.1					636		50				
06/19/23	922	58				0.0				2.2					980		46				
06/20/23	911	63				0.0				3.8					990		45				
06/21/23	885	65	0.90	ND	380	0.0				3.7	26	620	6800	13	955		50		9.7	0.12	0.048
06/22/23	884	59				0.0				3.7					947		45				
06/23/23	913	61				0.0				3.7					974		47				
06/24/23	850	63				0.0				3.7					914	60	45				
06/25/23	849	60				0.0				3.7					909		44				
06/26/23	833	55				0.0				3.7					889		45				
06/27/23	846	69				0.0				3.7					915		50				
06/28/23	843	60	0.76	0.00029 J	470	0.0				3.7	24	660	6700	24	903		52		9.5	0.18	0.042
06/29/23	843	60				0.0				3.7					902		55				
06/30/23	842	60				0.0				3.7					901		53				
Monthly Average[2]	892	60	0.75	0.000059	411	14	0.21	0.057	45	3.6	25	660	5402	16	946	57	46	100	8.9	0.15	0.045

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; 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 = Eurofins TestAmerica data, PA = Pace Analytical data.

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

3: On 06/02, LS#2 offline due to maintenance.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics														
Date	1st Stage FBR[4]			2nd Stage FBR[4]			FBR Plant Effluent[1]							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow[5] (gpm)	TA - ClO_4 (mg/L)	ETI - ClO_4 (mg/L)	TA - ClO_3 (mg/L)	TA - Cr (TR) (mg/L)	PA - Cr (VI) (mg/L)	TA - NO_3 - N (mg/L)	ETI - Turbidity (NTU)
06/01/23	975	6.7	580	580	6.9	-403	868		ND					19
06/02/23	990	6.7	853	853	6.9	-410	778		ND					5.0
06/03/23	972	6.7	833	833	6.9	-410	944	ND D	ND					3.0
06/04/23	969	6.7	843	843	6.9	-412	943		ND					5.0
06/05/23	1019	6.7	839	839	6.9	-414	927		ND					3.0
06/06/23	1119	6.7	770	770	6.6	-381	933		ND					4.0
06/07/23	994	6.6	781	781	6.6	-418	932		ND	ND D	0.011	ND	ND	32
06/08/23	1026	6.5	840	840	6.6	-424	919		ND					35
06/09/23	912	6.5	481	481	6.7	-428	867		ND					22
06/10/23	891	6.4	763	763	6.7	-425	722	0.0079	ND					5.0
06/11/23	916	6.5	750	750	6.6	-364	508		ND					22
06/12/23	924	6.4	941	941	6.6	-397	832		ND					10
06/13/23	927	6.4	785	785	6.6	-400	840		ND					9.0
06/14/23	912	6.4	655	655	6.6	-406	839		ND		0.0093 J	ND	ND	17
06/15/23	926	6.5	733	733	6.6	-420	827		ND					8.0
06/16/23	904	6.5	807	807	6.6	-422	829		ND					10
06/17/23	919	6.5	784	784	6.7	-428	702	ND D	ND					10
06/18/23	919	6.6	753	753	6.7	-427	317		ND					20
06/19/23	850	6.6	945	945	6.8	-400	256		ND					5.0
06/20/23	958	6.4	719	719	6.6	-387	876		ND					29
06/21/23	864	6.4	849	849	6.7	-378	887		ND		0.013	ND	ND	14
06/22/23	778	6.4	875	875	6.7	-346	860		ND					20
06/23/23	894	6.4	769	769	6.7	-313	811		ND					14
06/24/23	805	6.5	771	771	6.7	-306	878	ND D	ND					6.0
06/25/23	996	6.5	764	764	6.7	-241	586		ND					11
06/26/23	945	6.6	826	826	6.7	-263	367		ND					10
06/27/23	952	6.5	773	773	6.7	-299	608		ND		0.014	ND	ND	7.0
06/28/23	792	6.5	808	808	6.7	-244	833		ND					8.0
06/29/23	735	6.5	835	835	6.7	-285	828		ND					23
06/30/23	604	6.5	670	670	6.7	-291	838		ND					15
Monthly Average[2]	913	6.5	780	780	6.7	-371	772	0.0011	ND	ND	0.012	ND	ND	14

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).

D = Result was obtained from the analysis of a dilution.

1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data, PA = Pace Analytical data.

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

4: 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.

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

GW-11 Level Monitoring[1]		
Date	Field Measurement (ft)	Volume (MG)
06/15/23	23.5	45.2
06/30/23	21.0	48.6

GW-11 Leak Detection Monitoring				
Date	Amount Pumped[2] (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
06/06/23	0.0	0.0	0.0	0.0
06/21/23	0.0	0.0	0.0	0.0

GW-11 Composite Sample[3]		
Analytes	Concentration	Units
Perchlorate	7.1	mg/L
Chlorate	2.9	mg/L
Ammonia as N	0.094	mg/L
Total Phosphorus	0.37 B	mg/L
Total Dissolved Solids (TDS)	14,000	mg/L
Total Suspended Solids (TSS)	71	mg/L
pH	8.9 HF	s.u.
Calcium	690 B	mg/L
Iron	0.54	mg/L
Chromium (total)	0.0075 J	mg/L
Chromium VI	0.0051	mg/L
Chloride	5,200	mg/L
Nitrate as N	ND D	mg/L
Sulfate	4,200	mg/L

Notes:

B = Compound was found in the blank and sample.

D = Result was obtained from the analysis of a dilution.

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 (Cr(VI) = 0.25 ug/L).

1: A transducer installed along the eastern berm provides water pressure measurements that are correlated to elevations for calculation of water depths.

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

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics						
Date	Flow[1] (gpm)	FBR Influent Concentration			Influent Function Load[2] (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO_4 (mg/L)	NO_3 as N (mg/L)	ClO_3 (mg/L)		
July 2022	912	50	12	100	402	488
Aug 2022	911	50	11	120	429	466
Sep 2022	852	54	11	110	392	439
Oct 2022	909	54	10	110	410	422
Nov 2022	897	49	10	110	397	410
Dec 2022	897	51	10	120	413	407
Jan 2023	889	49	9.4	95	359	400
Feb 2023	900	50	9.0	110	386	393
Mar 2023	913	54	9.0	150	474	406
Apr 2023	917	51	8.9	130	432	410
May 2023	911	57	4.8	110	364	405
June 2023	946	57	8.9	100	400	403

Notes:

Concentrations and flow are presented as monthly average.

1: Flow used in loading calculation is average monthly FBR influent flow.

2: FBR loading calculated 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[2] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
06/01/23	3.2	1709.57	0.79	1710.33	0.94	1710.65	0.67	1711.50	0.93	1717.07	1.0	1717.73	1.00	1717.56	0.44	1711.81
06/02/23	3.2	1711.57	0.86	1710.03	0.95	1711.11	0.70	1711.30	0.94	1717.41	1.1	1717.21	1.0	1717.48	0.47	1711.24
06/03/23	3.3	1711.24	0.85	1710.65	0.94	1710.80	0.67	1712.01	0.95	1717.04	1.1	1717.03	1.0	1717.14	0.49	1711.52
06/04/23	3.2	1710.85	0.86	1709.84	0.92	1710.55	0.69	1711.86	0.91	1716.64	1.1	1715.76	0.99	1717.39	0.47	1711.12
06/05/23	4.0	1710.96	0.83	1710.41	0.93	1710.50	0.60	1715.00	0.93	1715.99	1.1	1715.73	1.0	1717.58	0.48	1710.77
06/06/23	3.5	1711.38	0.85	1710.15	0.94	1710.14	0.59	1714.55	0.92	1715.67	1.1	1716.01	1.0	1717.50	0.48	1710.70
06/07/23	3.6	1710.54	0.82	1710.19	0.97	1710.36	0.60	1715.52	0.99	1715.04	1.0	1715.65	1.0	1717.37	0.48	1709.56
06/08/23	3.6	1710.38	0.84	1710.54	0.96	1710.87	0.67	1714.89	0.92	1715.56	1.1	1716.96	1.0	1717.58	0.47	1709.77
06/09/23	3.6	1710.25	0.72	1710.68	0.86	1710.37	0.62	1713.47	0.95	1716.94	0.95	1717.51	0.94	1717.90	0.41	1710.97
06/10/23	3.6	1710.21	0.77	1710.34	0.92	1711.44	0.71	1713.40	0.92	1716.87	1.0	1717.44	0.98	1717.99	0.44	1711.47
06/11/23	3.6	1709.97	0.88	1709.71	0.84	1713.12	0.69	1712.47	0.93	1717.42	1.0	1717.95	0.98	1718.06	0.44	1710.79
06/12/23	2.1	1714.07	0.79	1709.41	0.80	1713.91	0.64	1711.54	0.92	1716.13	0.93	1718.50	0.94	1718.19	0.44	1709.62
06/13/23	2.2	1711.18	0.85	1710.53	0.89	1713.77	0.69	1708.62	0.94	1716.49	0.96	1718.14	1.1	1716.88	0.46	1709.41
06/14/23	2.5	1710.96	0.79	1710.56	0.85	1713.88	0.67	1708.54	0.91	1716.57	0.99	1718.17	1.1	1716.52	0.44	1709.19
06/15/23	2.5	1710.43	0.87	1710.41	0.9	1712.91	0.36	1717.28	0.93	1716.21	1.0	1717.49	1.0	1716.14	0.41	1710.21
06/16/23	2.4	1710.18	0.78	1709.85	0.88	1711.84	0.58	1717.14	0.96	1716.34	1.2	1717.90	1.2	1715.86	0.47	1711.47
06/17/23	2.5	1710.51	0.83	1709.71	0.86	1711.01	0.55	1716.16	0.94	1716.80	1.1	1717.83	1.0	1716.75	0.46	1712.56
06/18/23	2.5	1710.34	0.82	1709.88	0.89	1711.54	0.62	1715.98	0.99	1716.57	1.1	1717.66	1.1	1717.09	0.43	1711.97
06/19/23	2.7	1710.20	0.83	1709.74	0.91	1711.09	0.63	1716.27	0.90	1716.25	1.1	1717.88	1.1	1716.58	0.46	1711.14
06/20/23	2.5	1710.45	0.90	1709.76	0.85	1711.21	0.54	1715.97	0.82	1716.58	1.1	1717.63	1.1	1716.61	0.47	1711.07
06/21/23	2.6	1710.40	0.89	1710.23	0.88	1711.26	0.55	1714.74	0.88	1717.47	1.1	1714.90	1.1	1715.53	0.47	1709.47
06/22/23	2.6	1710.15	0.78	1710.46	0.89	1711.55	0.52	1714.65	0.87	1715.87	1.1	1715.78	1.0	1715.80	0.41	1709.75
06/23/23	2.6	1710.31	0.79	1710.91	0.90	1711.68	0.53	1714.14	0.89	1715.83	1.1	1714.19	1.1	1715.47	0.43	1712.02
06/24/23	2.6	1710.35	0.72	1710.68	0.82	1712.01	0.54	1714.30	0.85	1716.26	1.1	1714.24	1.1	1715.28	0.44	1711.34
06/25/23	3.0	1709.98	0.91	1711.15	0.89	1711.60	0.54	1713.97	0.85	1715.51	1.1	1714.31	1.0	1715.00	0.40	1711.95
06/26/23	2.6	1710.04	0.75	1711.04	0.82	1711.45	0.52	1714.32	0.84	1716.09	1.1	1714.43	0.95	1717.22	0.40	1709.73
06/27/23	2.9	1709.93	0.83	1711.13	0.91	1711.47	0.57	1714.62	0.92	1716.72	1.1	1714.56	1.1	1717.45	0.45	1709.39
06/28/23	2.8	1709.76	0.82	1711.17	0.87	1711.51	0.54	1714.49	0.91	1716.69	1.1	1714.56	0.98	1717.30	0.47	1709.51
06/29/23	2.8	1709.74	0.80	1709.60	0.81	1711.56	0.50	1716.74	0.9	1716.89	1.1	1716.03	0.94	1718.68	0.49	1710.00
06/30/23	2.8	1709.45	0.83	1711.20	0.86	1711.04	0.52	1714.65	0.93	1716.90	1.2	1715.65	0.94	1718.00	0.49	1710.36
Monthly Average	2.9	1710.51	0.82	1710.35	0.89	1711.54	0.59	1714.00	0.91	1716.46	1.1	1716.49	1.0	1717.00	0.45	1710.66
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	455	6/12/2023	840	6/12/2023	320	6/12/2023	92	6/12/2023	360	6/12/2023	880	6/12/2023	820	6/12/2023	1,100	6/12/2023
Hexavalent Chromium	0.091	6/12/2023	0.58	6/12/2023	0.66	6/12/2023	0.025	6/12/2023	0.025	6/12/2023	0.0912	6/12/2023	0.080	6/12/2023	0.22	6/12/2023
Total Chromium	0.10	6/12/2023	0.64	6/12/2023	0.73	6/12/2023	0.027	6/12/2023	0.026	6/12/2023	0.098	6/12/2023	0.086	6/12/2023	0.25	6/12/2023

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 Eurofins TestAmerica.

2: From 06/10 to 06/12, E1-1 totalizer failed; average values are presented for this period.

3: Duplicates taken on 06/12 for well E1-1 average of both values is presented and used for calculations.

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

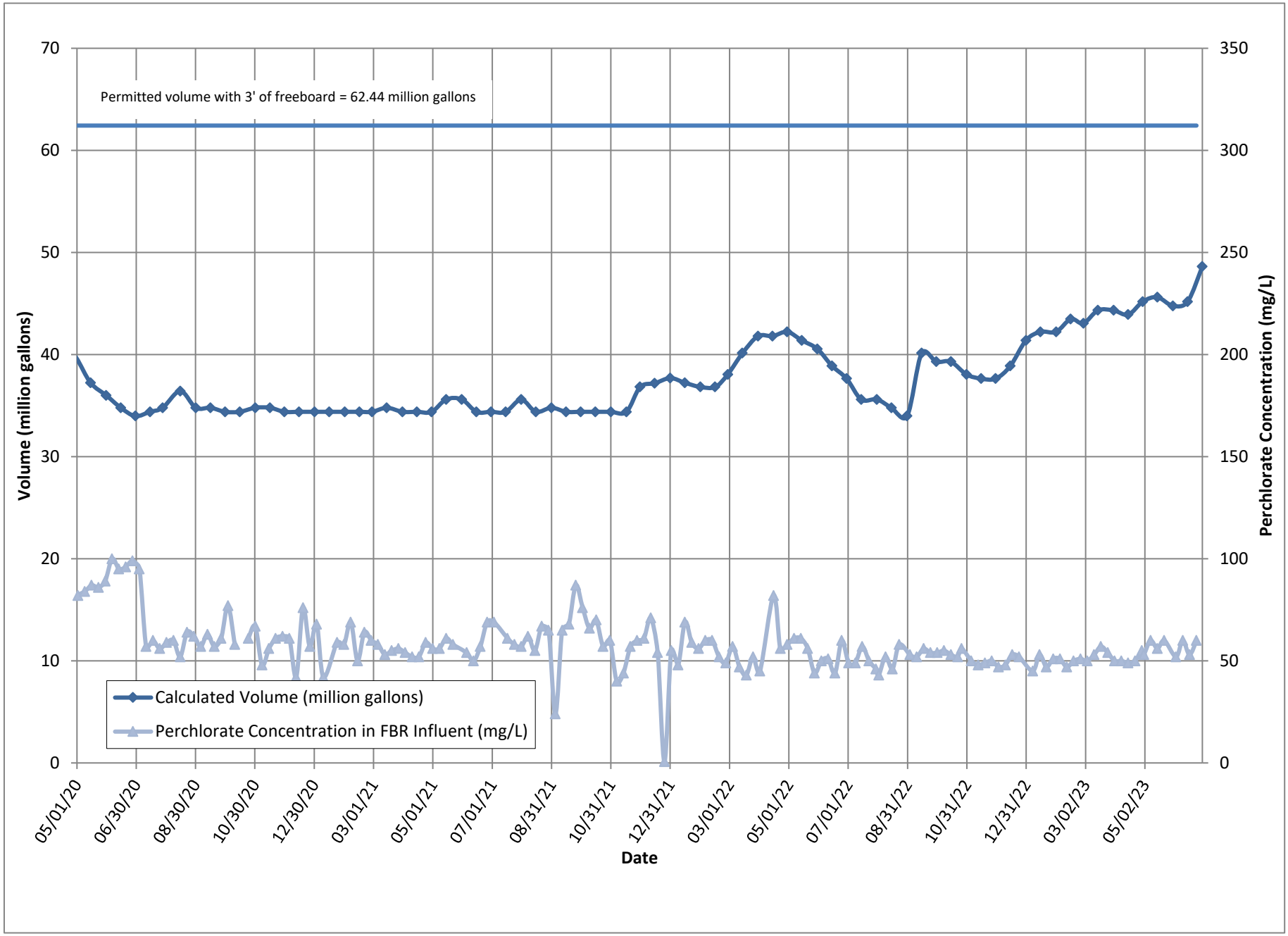
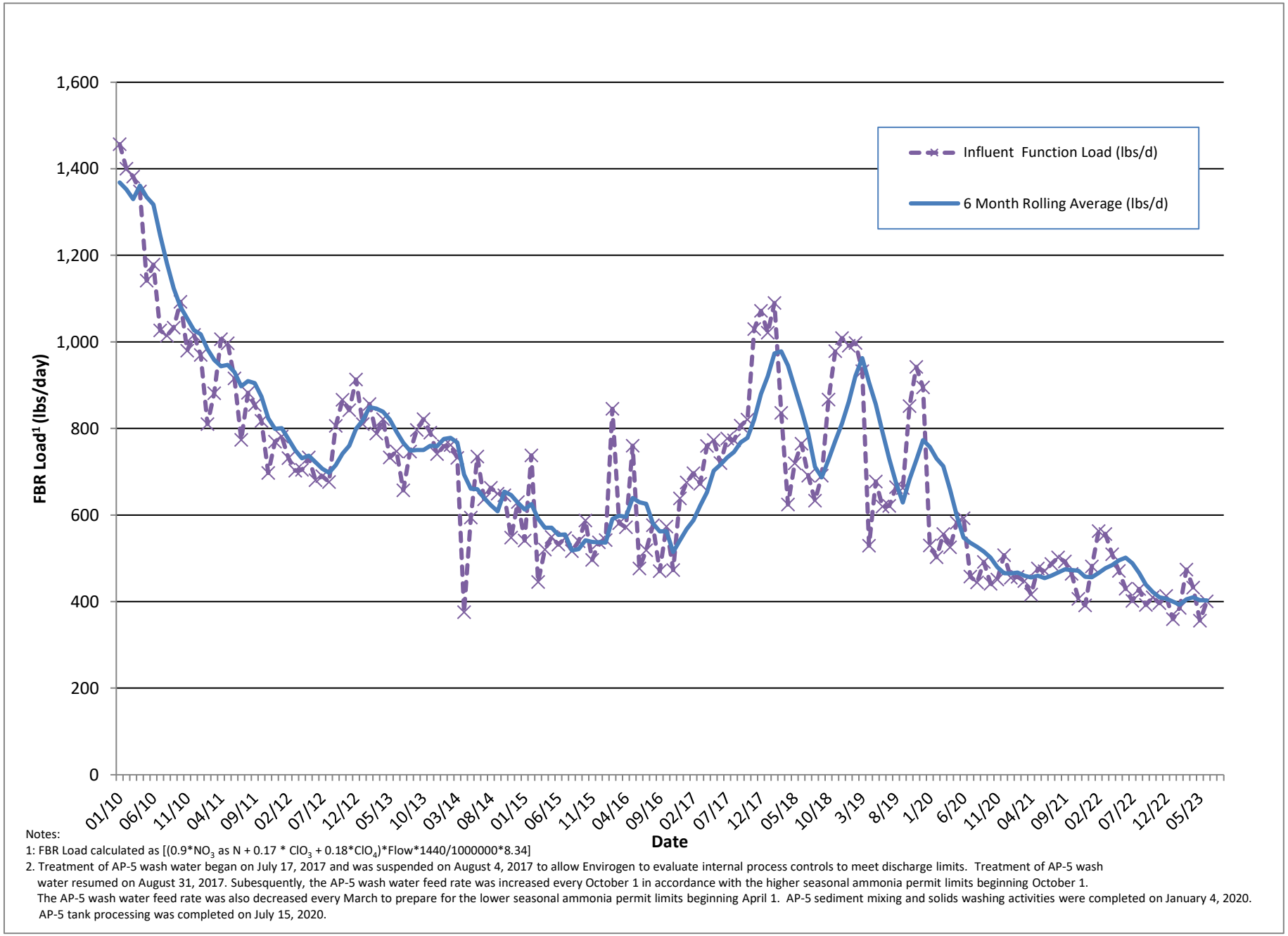


Figure Updated: 7/13/2023

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. Subesquently, the AP-5 wash water feed rate was increased every October 1 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was also decreased every March to prepare for the lower seasonal ammonia permit limits beginning April 1. AP-5 sediment mixing and solids washing activities were completed on January 4, 2020. AP-5 tank processing was completed on July 15, 2020.

Figure Updated: 7/13/2023