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[3] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
08/01/23	476	158	1537.91	86	1542.32	125	1544.77	107	1533.22	64	1547.19	108	1548.81	49	1549.98	20	1550.11	9.9	< 1520.00
08/02/23	476	158	1537.86	86	1542.31	125	1544.75	107	1533.18	64	1547.18	108	1548.81	49	1549.98	20	1550.11	9.9	< 1520.00
08/03/23	476	158	1537.82	86	1542.29	125	1544.74	107	1533.16	64	1547.17	108	1548.80	49	1549.98	20	1550.11	9.9	< 1520.00
08/04/23	476	158	1537.78	86	1542.28	125	1544.72	107	1533.12	64	1547.15	108	1548.79	49	1549.96	20	1550.10	9.9	< 1520.00
08/05/23	476	158	1537.74	86	1542.26	125	1544.71	107	1533.09	64	1547.13	108	1548.78	49	1549.95	20	1550.09	9.8	< 1520.00
08/06/23	475	158	1537.71	85	1542.26	125	1544.69	107	1533.06	64	1547.11	108	1548.76	49	1549.94	20	1550.07	9.8	< 1520.00
08/07/23	475	158	1537.68	85	1542.25	125	1544.67	107	1533.03	64	1547.09	108	1548.74	49	1549.92	20	1550.06	9.8	< 1520.00
08/08/23	475	158	1537.65	85	1542.23	125	1544.65	107	1533.01	64	1547.07	108	1548.73	49	1549.91	20	1550.04	9.8	< 1520.00
08/09/23	475	158	1537.62	85	1542.22	125	1544.64	107	1532.98	64	1547.05	108	1548.72	49	1549.89	20	1550.03	9.8	< 1520.00
08/10/23	475	158	1537.60	85	1542.21	125	1545.00	107	1532.97	64	1547.14	108	1548.71	49	1549.89	20	1550.02	9.8	< 1520.00
08/11/23	475	158	1537.60	85	1542.21	125	1545.13	107	1532.96	64	1547.17	108	1548.72	49	1549.89	20	1550.02	9.8	< 1520.00
08/12/23	475	158	1537.60	85	1542.22	125	1545.14	107	1532.96	64	1547.18	108	1548.73	49	1549.92	20	1550.04	9.8	< 1520.00
08/13/23	475	158	1537.63	85	1542.24	125	1545.18	107	1532.97	64	1547.20	108	1548.78	49	1549.96	20	1550.09	9.8	< 1520.00
08/14/23	475	158	1537.69	86	1542.24	125	1545.25	107	1533.02	64	1547.25	108	1548.85	49	1550.04	20	1550.17	9.8	< 1520.00
08/15/23	476	158	1537.76	86	1542.26	126	1545.33	107	1533.07	64	1547.31	108	1548.94	49	1550.13	20	1550.26	9.8	< 1520.00
08/16/23	218	72	1542.87	40	1545.37	58	1548.24	49	1540.60	60	1548.08	102	1549.70	46	1550.72	19	1550.70	9.3	< 1520.00
08/17/23	3.5	1.1	1547.66	0.63	1548.42	0.92	1551.07	0.81	1547.40	64	1548.85	108	1550.52	49	1545.11	20	1551.26	10	< 1520.00
08/18/23	172	57	1545.19	32	1546.68	45	1549.79	38	1543.15	64	1548.86	108	1550.62	50	1549.40	20	1551.47	10	< 1520.00
08/19/23	480	158	1539.43	88	1542.66	126	1546.58	107	1534.40	64	1548.25	108	1550.07	50	1549.33	20	1551.29	10	< 1520.00
08/20/23	480	158	1539.33	88	1542.64	126	1546.63	107	1534.36	64	1548.31	108	1550.18	50	1549.24	20	1551.43	10	< 1520.00
08/21/23	481	158	1539.39	89	1542.67	126	1546.75	107	1534.42	64	1548.42	109	1550.33	50	1549.14	20	1551.60	10	< 1520.00
08/22/23	481	159	1539.43	89	1542.70	127	1546.84	107	1534.45	64	1548.49	109	1550.43	50	1549.01	20	1551.74	10	< 1520.00
08/23/23	481	159	1539.50	89	1542.72	127	1546.95	107	1534.50	64	1548.57	109	1550.55	50	1548.85	20	1551.87	10	< 1520.00
08/24/23	481	159	1539.59	89	1542.76	127	1547.06	107	1534.58	64	1548.66	109	1550.67	50	1548.58	20	1552.01	10	< 1520.00
08/25/23	482	159	1539.70	89	1542.80	127	1547.19	107	1534.66	64	1548.76	109	1550.82	50	1549.08	20	1552.16	10	< 1520.00
08/26/23	482	159	1539.81	90	1542.83	127	1547.32	107	1534.75	64	1548.86	109	1550.96	50	1549.03	20	1552.32	10	< 1520.00
08/27/23	483	159	1539.94	90	1542.86	127	1547.46	107	1534.86	64	1548.97	109	1551.11	50	1548.99	20	1552.48	10	< 1520.00
08/28/23	483	159	1540.07	90	1542.89	127	1547.61	107	1534.97	64	1549.09	109	1551.27	50	1548.95	20	1552.66	10	< 1520.00
08/29/23	484	159	1540.20	90	1542.92	127	1547.76	107	1535.08	64	1549.20	109	1551.42	50	1548.93	20	1552.82	10	< 1520.00
08/30/23	481	158	1540.42	90	1543.01	126	1547.92	107	1535.32	64	1549.31	108	1551.57	49	1548.92	20	1552.95	10	< 1520.00
08/31/23	485	159	1540.46	91	1543.01	127	1547.98	107	1535.33	64	1549.36	109	1551.64	50	1548.93	20	1553.04	10	< 1520.00
Monthly Average	445	147	1539.31	81	1542.93	117	1546.34	99	1534.79	64	1547.98	108	1549.79	49	1549.40	20	1551.07	9.9	< 1520.00
Analytical[1]		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[2] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		13	8/10/2023	15	8/10/2023	7.7	8/10/2023	6.5	8/10/2023	2.7	8/10/2023	0.45	8/10/2023	0.042	8/10/2023	0.064	8/10/2023	1.2	8/10/2023
Hexavalent Chromium		0.0058	8/10/2023	0.00018 J	8/10/2023	ND	8/10/2023	0.0064	8/10/2023	ND	8/10/2023	ND	8/10/2023	ND	8/10/2023	ND	8/10/2023	ND	8/10/2023
Total Chromium		0.0043	8/10/2023	ND	8/10/2023	ND	8/10/2023	0.0057	8/10/2023	ND	8/10/2023	ND	8/10/2023	ND	8/10/2023	ND	8/10/2023	ND	8/10/2023

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: Duplicates taken on 08/10 for well PC-115R; average of both values is presented and used for calculations.

3: On 08/18, PC-120 transducer failed; average flow values presented for this date.

Table Updated: 9/21/2023

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 (gpm)	ART-1/1A		ART-2/2A		ART-3/3A		ART-4/4A		ART-9		ART-7A/7B		ART-8/8A		PC-150	
		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[3] (gpm)	Water Elevation (ft amsl)
08/01/23	384	42	1582.88	127	1584.61	22	1583.01	3.7	1578.77	38	1576.62	25	1578.93	171	1584.02	1.5	1578.87
08/02/23	383	42	1582.79	127	1584.61	22	1583.01	3.7	1578.77	38	1576.62	25	1578.93	171	1584.02	1.5	1578.87
08/03/23	384	42	1582.69	127	1584.62	22	1583.01	3.7	1578.78	38	1576.62	25	1578.94	171	1584.03	1.5	1578.87
08/04/23	384	42	1582.57	127	1584.63	22	1583.02	3.7	1578.79	38	1576.62	25	1578.93	171	1584.04	1.5	1578.87
08/05/23	384	42	1582.45	126	1584.64	22	1583.03	3.7	1578.80	38	1576.62	26	1578.94	171	1584.04	1.5	1578.87
08/06/23	384	42	1582.31	126	1584.65	22	1583.04	3.7	1578.81	38	1576.62	26	1578.94	171	1584.05	1.5	1578.87
08/07/23	384	42	1582.15	126	1584.65	22	1583.04	3.7	1578.82	38	1576.62	26	1578.93	171	1584.06	1.5	1578.87
08/08/23	384	42	1581.98	126	1584.66	22	1583.05	3.7	1578.83	38	1576.62	26	1578.93	171	1584.06	1.5	1578.87
08/09/23	385	42	1581.80	126	1584.67	22	1583.06	3.7	1578.84	38	1576.61	26	1578.93	171	1584.07	1.5	1578.87
08/10/23	383	42	1582.20	126	1584.69	22	1583.07	3.7	1578.89	38	1576.61	26	1578.93	170	1584.06	1.5	1578.87
08/11/23	384	42	1582.20	126	1584.69	22	1583.07	3.7	1578.91	38	1576.62	26	1578.93	171	1584.08	1.5	1578.87
08/12/23	385	42	1582.20	126	1584.69	22	1583.08	3.7	1578.92	38	1576.62	26	1578.93	171	1584.09	1.5	1578.87
08/13/23	385	42	1582.20	126	1584.70	22	1583.08	3.7	1578.93	38	1576.62	26	1578.93	170	1584.09	1.5	1578.87
08/14/23	385	42	1582.20	126	1584.71	22	1583.09	3.7	1578.93	38	1576.62	26	1578.93	170	1584.10	1.5	1578.88
08/15/23	385	42	1582.20	126	1584.73	22	1583.10	3.7	1578.95	38	1576.63	26	1578.93	171	1584.12	1.5	1578.88
08/16/23	385	42	1582.20	126	1584.76	22	1583.12	3.7	1578.97	39	1576.64	26	1578.93	171	1584.14	1.5	1578.88
08/17/23	386	42	1582.20	126	1584.79	22	1583.15	3.7	1578.99	39	1576.66	26	1578.93	171	1584.17	1.5	1578.88
08/18/23	386	42	1582.20	127	1584.82	22	1583.17	3.7	1579.02	39	1576.65	26	1578.92	171	1584.19	1.5	1578.88
08/19/23	387	42	1582.20	127	1584.87	22	1583.20	3.7	1579.05	39	1576.65	26	1578.92	171	1584.22	1.5	1578.89
08/20/23	387	42	1582.20	127	1584.93	23	1583.24	3.7	1579.10	40	1576.64	26	1578.92	171	1584.28	1.5	1578.89
08/21/23	388	42	1582.20	127	1585.02	23	1583.30	3.7	1579.16	40	1576.66	26	1578.92	171	1584.34	1.5	1578.89
08/22/23	389	42	1582.20	127	1585.11	23	1583.36	3.7	1579.23	40	1576.66	27	1578.93	171	1584.41	1.5	1578.89
08/23/23	391	42	1582.20	127	1585.19	23	1583.43	3.7	1579.31	41	1576.66	27	1578.93	171	1584.48	1.5	1578.88
08/24/23	392	42	1582.20	127	1585.27	23	1583.48	3.7	1579.38	41	1576.65	27	1578.93	171	1584.54	1.5	1578.89
08/25/23	393	42	1582.20	127	1585.35	23	1583.54	3.7	1579.46	41	1576.66	27	1578.93	171	1584.60	1.5	1578.92
08/26/23	394	42	1582.20	127	1585.42	24	1583.59	3.7	1579.53	42	1576.67	28	1578.93	171	1584.66	1.5	1579.15
08/27/23	395	42	1582.20	127	1585.50	24	1583.65	3.7	1579.60	42	1576.68	28	1578.93	171	1584.72	1.5	1579.33
08/28/23	394	42	1582.20	127	1585.57	24	1583.71	3.7	1579.68	43	1576.69	28	1578.93	171	1584.78	1.5	1579.35
08/29/23	397	42	1582.20	127	1585.65	24	1583.76	3.7	1579.75	43	1576.70	28	1578.93	171	1584.84	1.5	1579.38
08/30/23	398	42	1582.20	127	1585.73	24	1583.82	3.7	1579.82	44	1576.71	29	1578.93	171	1584.90	1.5	1579.40
08/31/23	399	42	1582.20	127	1585.80	24	1583.87	3.7	1579.89	44	1576.73	29	1578.93	171	1584.96	1.5	1579.42
Monthly Average	388	42	1582.26	127	1584.96	23	1583.26	3.7	1579.12	40	1576.65	26	1578.93	171	1584.29	1.5	1578.97
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[4] (mg/L)	Date
Perchlorate		29	8/10/2023	7.2	8/10/2023	160	8/10/2023	120	8/10/2023	160	8/10/2023	78	8/10/2023	51	8/10/2023	47	8/10/2023
Hexavalent Chromium		ND	8/10/2023	0.0017	8/10/2023	0.25	8/10/2023	0.17	8/10/2023	0.51	8/10/2023	0.42	8/10/2023	0.050	8/10/2023	0.048	8/10/2023
Total Chromium		ND	8/10/2023	ND	8/10/2023	0.27	8/10/2023	0.18	8/10/2023	0.56	8/10/2023	0.45	8/10/2023	0.048	8/10/2023	0.051	8/10/2023

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) = 0.25 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: From 08/01 to 08/31. ART-1/1A water level taken manually due to transducer failure.

3: 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 to 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.

4: Duplicates taken on 08/10 for well PC-150; average of both values is presented and used for calculations.

Table Updated: 9/15/2023

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 (ft amsl)	Flow [4] (gpm)	Water Elevation (ft amsl)	Flow [5] (gpm)	Water Elevation (ft amsl)	Flow [6] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow [7 8] (gpm)	Water Elevation (ft amsl)	Flow [7 9 10] (gpm)	Water Elevation (ft amsl)	Flow [7] (gpm)	Water Elevation (ft amsl)
08/01/23	0.20	1715.23	0.83	1707.73	0.02	1717.97	0.0	1723.03	0.90	1717.27	0.35	1709.53	2.5	1708.63	1.0	1705.67	1.0	1710.17	1.8	1709.02
08/02/23[2]	0.13	1718.03	0.82	1707.92	0.0	1718.44	0.0	1723.04	0.85	1717.90	0.37	1709.63	2.4	1709.30	1.0	1705.62	0.97	1711.41	1.8	1709.31
08/03/23[2]	0.07	1724.78	0.82	1708.06	0.0	1718.48	0.0	1723.03	0.88	1716.98	0.35	1709.70	2.3	1709.82	0.69	1710.22	0.86	1714.22	1.9	1709.48
08/04/23[2]	0.06	1725.15	0.83	1707.78	0.0	1718.44	0.0	1723.03	1.00	1715.15	0.34	1709.46	2.5	1708.99	0.32	1715.18	0.86	1714.33	1.9	1709.15
08/05/23[2]	0.06	1725.15	0.82	1707.94	0.0	1718.40	0.0	1723.02	0.95	1716.16	0.30	1709.57	2.4	1709.60	0.24	1715.62	0.79	1714.86	1.9	1709.38
08/06/23[2]	0.19	1722.15	0.82	1707.97	0.0	1718.42	0.0	1722.98	0.92	1716.86	0.31	1709.56	2.3	1710.17	0.76	1709.80	0.76	1715.06	2.0	1709.47
08/07/23	0.20	1715.25	0.83	1707.73	0.0	1718.43	0.0	1723.00	0.96	1716.26	0.32	1709.53	2.4	1709.28	1.1	1705.61	0.80	1714.86	2.0	1709.16
08/08/23	0.20	1715.25	0.83	1707.73	0.0	1718.43	0.0	1723.01	0.96	1716.30	0.36	1709.44	2.4	1710.16	1.1	1705.61	0.82	1714.91	2.0	1709.17
08/09/23	0.20	1715.25	0.83	1707.73	0.0	1718.38	0.01	1722.45	0.96	1716.27	0.36	1709.39	2.3	1709.76	1.0	1705.77	0.82	1714.97	2.1	1709.16
08/10/23	0.20	1715.25	0.83	1707.72	0.0	1718.35	0.0	1723.14	0.95	1716.26	0.36	1709.40	2.3	1709.51	1.0	1705.84	0.94	1712.86	2.1	1709.17
08/11/23	0.20	1715.25	0.82	1707.73	0.0	1718.33	0.0	1723.14	0.95	1716.26	0.36	1709.41	2.4	1709.21	1.0	1705.61	1.1	1708.65	2.0	1709.15
08/12/23	0.20	1715.24	0.82	1707.73	0.0	1718.32	0.0	1723.12	0.95	1716.31	0.33	1709.40	2.4	1708.83	1.0	1705.61	1.1	1708.65	1.9	1709.12
08/13/23	0.20	1715.24	0.82	1707.74	0.0	1718.31	0.0	1723.12	0.95	1716.35	0.30	1709.37	2.4	1708.83	1.0	1705.61	1.1	1708.55	1.9	1709.10
08/14/23	0.20	1715.24	0.82	1707.74	0.0	1718.30	0.0	1723.12	0.95	1716.31	0.30	1709.37	2.4	1708.83	1.00	1705.61	1.1	1708.68	1.8	1709.09
08/15/23	0.20	1715.24	0.82	1707.74	0.0	1718.29	0.0	1723.06	0.95	1716.32	0.29	1709.37	2.3	1708.83	0.96	1705.61	1.1	1708.70	1.8	1709.07
08/16/23	0.20	1715.24	0.82	1707.75	0.0	1718.28	0.0	1723.07	0.95	1716.33	0.28	1709.38	2.2	1708.82	0.96	1705.61	1.0	1708.54	1.7	1709.05
08/17/23	0.20	1715.24	0.82	1707.75	0.0	1718.27	0.0	1723.09	0.95	1716.31	0.28	1709.38	2.3	1708.82	0.96	1705.56	1.0	1708.53	1.7	1709.05
08/18/23	0.21	1715.24	0.82	1707.75	0.0	1718.25	0.0	1723.12	0.94	1716.32	0.32	1709.39	2.3	1708.81	0.93	1705.56	1.0	1708.54	1.7	1709.03
08/19/23	0.21	1715.24	0.82	1707.75	0.0	1718.25	0.0	1723.31	0.94	1716.34	0.37	1709.39	2.4	1708.81	0.91	1705.56	1.1	1708.47	1.7	1709.03
08/20/23	0.21	1715.24	0.82	1707.75	0.0	1718.25	0.0	1723.36	0.94	1716.33	0.37	1709.39	2.4	1708.80	0.95	1705.56	1.0	1709.01	1.7	1709.03
08/21/23	0.21	1715.24	0.82	1707.75	0.0	1718.24	0.0	1723.25	0.94	1716.32	0.36	1709.39	2.4	1708.81	0.94	1705.56	1.1	1708.86	1.7	1709.03
08/22/23	0.21	1715.24	0.82	1707.76	0.0	1718.23	0.0	1723.17	0.94	1716.27	0.34	1709.39	2.3	1708.81	0.95	1705.56	1.0	1708.62	1.7	1709.02
08/23/23	0.20	1715.24	0.82	1707.76	0.0	1718.24	0.0	1723.13	0.95	1716.23	0.33	1709.40	2.3	1708.82	0.94	1705.56	1.0	1708.65	1.7	1709.02
08/24/23	0.20	1715.24	0.82	1707.76	0.0	1718.25	0.0	1723.11	0.94	1716.25	0.31	1709.37	2.3	1708.82	0.94	1705.72	1.0	1708.60	1.7	1709.02
08/25/23[2]	0.13	1717.83	0.78	1708.38	0.0	1718.30	0.0	1723.08	0.86	1717.34	0.29	1709.82	2.1	1710.86	0.8	1709.21	0.96	1711.08	1.8	1709.58
08/26/23	0.11	1724.11	0.83	1707.76	0.0	1718.31	0.0	1723.06	0.90	1717.27	0.30	1709.44	2.1	1711.39	0.8	1711.15	0.99	1712.58	1.8	1709.07
08/27/23	0.24	1715.54	0.83	1707.75	0.0	1718.30	0.0	1723.05	0.90	1717.24	0.32	1709.42	2.1	1711.73	0.84	1711.32	0.97	1713.08	1.9	1709.07
08/28/23	0.21	1715.26	0.82	1707.76	0.0	1718.29	0.0	1723.05	0.9	1717.21	0.32	1709.44	2.0	1711.94	0.84	1711.54	0.97	1713.19	1.9	1709.09
08/29/23	0.21	1715.26	0.83	1707.76	0.0	1718.30	0.0	1723.05	0.90	1717.19	0.31	1709.51	2.0	1711.89	0.8	1711.60	0.96	1713.37	1.9	1709.09
08/30/23	0.21	1715.26	0.83	1707.76	0.0	1718.31	0.0	1723.05	0.91	1717.03	0.31	1709.50	2.0	1712.12	0.84	1711.61	0.97	1713.35	1.9	1709.10
08/31/23	0.21	1715.26	0.83	1707.76	0.0	1718.32	0.0	1723.04	0.91	1717.02	0.30	1709.41	1.9	1712.91	0.85	1711.59	0.98	1713.26	2.0	1709.10
Monthly Average	0.18	1716.88	0.82	1707.80	0.0	1718.31	0.0	1723.07	0.93	1716.58	0.33	1709.46	2.3	1709.74	0.89	1707.78	0.98	1711.25	1.9	1709.14
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	300	8/1/2023	23	8/1/2023	45	8/1/2023	160	8/9/2023	170	8/9/2023	280	8/1/2023	500	8/1/2023	410	8/1/2023	360	8/1/2023	530	8/1/2023
Hexavalent Chromium	0.82	8/1/2023	0.048	8/1/2023	0.0004 J	8/1/2023	1.6	8/9/2023	1.7	8/9/2023	0.17	8/1/2023	2.5	8/1/2023	4.1	8/1/2023	5.7	8/1/2023	11	8/1/2023
Total Chromium	15	8/1/2023	0.052	8/1/2023	0.019	8/1/2023	1.7	8/9/2023	1.7	8/9/2023	0.27	8/1/2023	2.7	8/1/2023	4.4	8/1/2023	6.1	8/1/2023	11	8/1/2023

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.

1: Analytical results are reported from Eurofins TestAmerica.

2: From 08/02 to 08/06 and on 08/25, IWF offline intermittently due to maintenance.

3: From 08/25 to 08/26, I-AR offline due to maintenance.

4: On 08/01, I-AB online for sampling.

5: On 08/09, I-AC online for sampling.

6: On 08/04, I-AD, I-G, I-L, and I-R adjusted to meet flow targets as directed by the Trust.

7: On 08/07, I-D, I-E, I-F, and I-V adjusted to meet flow targets as directed by the Trust.

8: On 08/17, I-D, I-L, I-Y, and I-Z water level taken manually due to water level dropping below transducer level.

9: On 08/01, I-E, I-M, I-N, I-O, I-R, and I-S adjusted to meet flow targets as directed by the Trust.

10: On 08/10,I-E, I-M, I-N, I-O, and I-W adjusted to meet flow targets as directed by the Trust.

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 [6] (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 [6 8 11] (gpm)	Water Elevation (ft amsl)	Flow [9 10] (gpm)	Water Elevation (ft amsl)	Flow [9 10] (gpm)	Water Elevation (ft amsl)	Flow [9 10] (gpm)	Water Elevation (ft amsl)	Flow [13] (gpm)	Water Elevation (ft amsl)
08/01/23	0.18	1712.63	0.50	1709.21	3.1	1720.47	5.3	1711.98	2.8	1708.65	0.28	1714.83	1.8	1716.53	1.5	1715.55	0.66	1719.65	1.7	1709.50
08/02/23 [2]	0.17	1713.23	0.49	1709.33	3.0	1720.56	5.2	1712.68	2.7	1709.11	0.26	1715.83	1.7	1716.85	1.3	1716.28	0.62	1719.75	1.7	1710.52
08/03/23 [2]	0.14	1714.43	0.50	1709.43	2.8	1720.66	5.1	1713.05	2.7	1709.35	0.3	1714.44	1.5	1717.48	1.2	1716.63	0.65	1719.70	1.7	1711.35
08/04/23 [2]	0.19	1712.43	0.52	1709.22	2.9	1720.57	5.3	1712.16	2.8	1708.74	0.91	< 1714.04	1.3	1718.00	1.1	1717.40	0.50	1720.03	1.7	1709.87
08/05/23 [2]	0.20	1711.34	0.51	1709.34	2.8	1720.60	5.2	1712.67	2.8	1709.09	1.1	1714.09	1.1	1718.60	1.1	1717.59	0.44	1720.05	1.7	1710.83
08/06/23 [2]	0.14	1714.43	0.49	1709.39	2.7	1720.65	5.2	1712.80	2.8	1709.17	1.1	1714.12	0.78	1719.44	0.98	1717.95	0.35	1720.19	1.7	1711.33
08/07/23	0.14	1714.83	0.49	1709.19	2.9	1720.51	5.3	1712.00	2.8	1708.61	1.1	< 1714.00	0.80	1719.50	0.82	1718.35	0.36	1720.15	1.7	1709.51
08/08/23	0.18	1713.12	0.51	1709.19	2.9	1720.49	5.3	1711.99	2.8	1708.62	1.1	< 1714.00	0.79	1719.56	0.80	1718.52	0.35	1720.09	1.7	1709.50
08/09/23	0.18	1712.78	0.49	1709.16	2.9	1720.49	5.3	1711.48	2.8	1708.61	1.0	< 1711.95	0.80	1719.59	0.79	1718.66	0.36	1720.08	1.7	1709.50
08/10/23	0.18	1712.95	0.47	1709.20	2.9	1720.48	5.3	1711.25	2.8	1708.58	1.0	< 1711.95	1.4	1718.02	1.1	1717.83	0.54	1719.86	1.7	1709.49
08/11/23	0.18	1713.05	0.47	1709.17	3.0	1720.46	5.3	1711.25	2.8	1708.59	1.0	< 1711.95	2.4	1715.03	1.7	1715.53	0.74	1719.50	1.7	1709.48
08/12/23	0.18	1712.97	0.50	1709.21	3.0	1720.46	5.3	1711.24	2.8	1708.59	1.00	< 1711.95	2.4	1714.98	1.6	1715.32	0.68	1719.52	1.7	1709.49
08/13/23	0.18	1713.04	0.52	1709.21	2.9	1720.45	5.3	1711.24	2.8	1708.58	0.99	< 1711.95	2.3	1715.06	1.6	1715.06	0.62	1719.52	1.7	1709.49
08/14/23	0.17	1713.18	0.51	1709.19	3.0	1720.44	5.3	1711.24	2.8	1708.58	0.99	< 1711.95	2.3	1715.04	1.6	1714.92	0.63	1719.53	1.7	1709.50
08/15/23	0.18	1713.03	0.48	1709.15	2.9	1720.44	5.2	1711.25	2.8	1708.57	0.98	< 1711.95	2.2	1715.02	1.5	1714.66	0.63	1719.53	1.7	1709.49
08/16/23	0.18	1712.83	0.49	1709.13	2.9	1720.43	5.2	1711.25	2.8	1708.57	0.97	< 1711.95	2.2	1715.04	1.5	1714.60	0.64	1719.36	1.7	1709.49
08/17/23	0.18	1712.88	0.48	1709.15	3.0	1720.43	5.2	1711.25	2.8	1708.57	0.97	< 1712.21	2.2	1715.08	1.5	1714.57	0.83	1714.89	1.7	1709.52
08/18/23	0.18	1712.88	0.51	1709.27	3.0	1720.42	5.2	1711.25	2.8	1708.56	0.96	< 1712.21	2.1	1715.11	1.3	1715.60	0.82	1714.92	1.7	1709.53
08/19/23	0.17	1713.05	0.54	1709.17	3.5	1720.40	5.2	1711.25	2.8	1708.56	0.96	< 1712.21	2.1	1715.16	1.4	1715.72	0.89	1714.95	1.7	1709.52
08/20/23	0.17	1713.15	0.54	1709.14	4.1	1720.40	5.2	1711.24	2.8	1708.57	0.96	< 1712.21	2.1	1715.21	1.3	1715.83	0.87	1716.71	1.7	1709.51
08/21/23	0.17	1713.03	0.54	1709.18	4.1	1720.39	5.2	1711.25	2.8	1708.57	0.96	< 1712.21	2.1	1715.31	1.3	1715.90	0.83	1717.67	1.7	1709.52
08/22/23	0.17	1713.01	0.50	1709.14	3.5	1720.39	5.2	1711.25	2.8	1708.62	0.95	< 1712.21	2.0	1715.33	1.3	1715.91	0.80	1718.17	1.6	1709.52
08/23/23	0.17	1713.10	0.46	1709.17	3.2	1720.38	5.2	1711.25	2.8	1708.68	0.96	< 1712.21	2.0	1715.33	1.3	1715.91	0.81	1718.00	1.6	1709.52
08/24/23	0.17	1713.07	0.49	1709.17	3.2	1720.38	5.2	1711.25	2.8	1708.72	0.95	< 1711.48	2.0	1715.35	1.1	1716.70	0.79	1718.11	1.6	1709.51
08/25/23	0.18	1712.64	0.46	1709.81	3.0	1720.51	5.0	1712.11	2.6	1709.38	0.91	< 1711.48	1.7	1716.20	0.80	1717.76	0.61	1719.09	1.5	1710.39
08/26/23	0.20	1711.36	0.46	1709.12	3.1	1720.42	5.3	1711.24	2.8	1708.74	0.97	< 1711.48	1.7	1716.63	0.63	1718.31	0.55	1719.70	1.6	1709.52
08/27/23	0.20	1711.36	0.50	1709.13	3.0	1720.38	5.2	1711.25	2.8	1708.75	0.97	< 1711.48	1.7	1716.71	0.62	1718.41	0.57	1719.64	1.6	1709.51
08/28/23	0.20	1711.36	0.49	1709.12	3.0	1720.37	5.2	1711.25	2.8	1708.77	0.97	< 1711.48	1.7	1716.77	0.61	1718.49	0.55	1719.63	1.6	1709.51
08/29/23	0.20	1711.35	0.49	1709.14	3.0	1720.37	5.2	1711.24	2.8	1708.73	0.97	< 1711.48	1.7	1716.77	0.60	1718.56	0.52	1719.62	1.6	1709.52
08/30/23	0.20	1711.35	0.48	1709.11	2.9	1720.37	5.2	1711.25	2.8	1708.73	0.97	< 1711.48	1.7	1716.78	0.66	1718.52	0.49	1719.61	1.6	1709.51
08/31/23	0.20	1711.35	0.46	1709.13	2.9	1720.37	5.2	1711.24	2.8	1708.74	0.97	< 1711.52	1.7	1716.78	0.66	1718.53	0.49	1719.59	1.6	1709.51
Monthly Average	0.18	1712.75	0.50	1709.22	3.1	1720.46	5.2	1711.58	2.8	1708.73	0.92	< 1712.53	1.7	1716.52	1.1	1716.76	0.62	1718.93	1.7	1709.74
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 [12] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	730	8/8/2023	720	8/8/2023	330	8/9/2023	140	8/9/2023	200	8/9/2023	240	8/1/2023	490	8/1/2023	445	8/1/2023	510	8/8/2023	630	8/8/2023
Hexavalent Chromium	15	8/17/2023	11	8/17/2023	5.9	8/9/2023	3.1	8/9/2023	2.3	8/9/2023	1.3	8/1/2023	5.0	8/1/2023	6.8	8/1/2023	9.8	8/17/2023	9.5	8/17/2023
Total Chromium	17	8/8/2023	12	8/8/2023	5.6	8/9/2023	3.2	8/9/2023	2.3	8/9/2023	1.4	8/1/2023	5.3	8/1/2023	7.0	8/1/2023	10	8/8/2023	11	8/8/2023

Notes:

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

1: Analytical results are reported from Eurofins TestAmerica.

2: From 08/02 to 08/06 and on 08/25, IWF offline intermittently due to maintenance.

6: On 08/04, I-AD, I-G, I-L, and I-R adjusted to meet flow targets as directed by the Trust.

8: On 08/17, I-D, I-L, I-Y, and I-Z water level taken manually due to water level dropping below transducer level.

9: On 08/01, I-E, I-M, I-N, I-O, I-R, and I-S adjusted to meet flow targets as directed by the Trust.

10: On 08/10,I-E, I-M, I-N, I-O, and I-W adjusted to meet flow targets as directed by the Trust.

11: On 08/09, 08/24, and 08/31, I-L, I-Y, and I-Z water level taken manually due to water level dropping below transducer level.

12: Duplicates taken on 08/01 for well I-N; average of both values is presented and used for calculations.

13: On 08/12, I-P flow meter failed; average flow values are presented for this date.

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 [6 9] (gpm)	Water Elevation (ft amsl)	Flow [9] (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 [10] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow [8 11] (gpm)	Water Elevation (ft amsl)	Flow [8 11] (gpm)	Water Elevation (ft amsl)
08/01/23	0.37	1714.53	1.0	1714.69	1.1	1713.41	0.65	1707.65	0.72	1707.63	4.2	1715.52	0.58	1710.03	2.6	< 1698.45	1.2	< 1705.00	5.7	1710.01
08/02/23 [2]	0.38	1714.53	0.92	1715.82	0.97	1714.44	0.65	1707.73	0.70	1707.88	4.0	1716.18	0.58	1710.03	2.5	1701.52	1.2	< 1705.09	5.8	1710.47
08/03/23 [2]	0.38	1714.53	0.78	1717.62	0.71	1717.22	0.65	1707.79	0.70	1707.96	3.9	1716.89	0.59	1710.03	2.5	1704.19	1.2	1705.42	5.8	1710.74
08/04/23 [2]	0.38	1714.53	1.0	1713.98	0.71	1717.35	0.65	1707.67	0.71	1707.69	4.1	1716.35	0.60	1710.03	2.7	< 1698.81	1.2	< 1705.03	5.9	1710.12
08/05/23 [2]	0.38	1714.53	1.0	1714.05	0.55	1718.09	0.65	1707.73	0.68	1707.85	4.0	1716.58	0.60	1710.03	2.7	1700.36	1.2	< 1705.09	6.2	1710.48
08/06/23 [2]	0.37	1714.53	1.0	1715.13	0.0	1720.15	0.65	1707.74	0.70	1707.88	3.9	1716.89	0.61	1710.03	2.7	1701.12	1.2	< 1705.17	6.3	1710.55
08/07/23	0.37	1714.53	1.1	1714.39	0.01	1720.22	0.65	1707.65	0.71	1707.64	4.1	1716.11	0.60	1710.03	2.8	< 1698.31	1.2	< 1705.00	6.4	< 1710.00
08/08/23	0.37	1714.53	1.1	1714.24	0.79	1712.04	0.65	1707.65	0.70	1707.63	4.1	1715.92	0.60	1710.03	2.8	< 1698.36	1.2	< 1705.00	6.4	1710.00
08/09/23	0.37	1714.53	1.1	1713.85	1.6	< 1706.07	0.65	1707.64	0.70	1707.63	4.1	1715.82	0.59	1710.03	2.8	< 1698.64	1.2	< 1701.36	6.4	1710.22
08/10/23	0.37	1714.53	1.1	1713.66	1.5	< 1706.07	0.65	1707.64	0.70	1707.64	4.1	1715.68	0.59	1710.03	2.9	< 1698.88	1.1	< 1701.36	6.4	1710.22
08/11/23	0.38	1714.53	1.0	1713.60	1.5	< 1706.07	0.65	1707.64	0.70	1707.65	4.1	1715.46	0.57	1710.03	2.8	< 1698.49	1.1	< 1701.36	5.8	1710.22
08/12/23	0.38	1714.53	1.0	1713.63	1.5	< 1706.07	0.65	1707.64	0.70	1707.65	4.1	1715.34	0.57	1710.03	2.7	< 1698.50	1.1	< 1701.36	5.6	1710.22
08/13/23	0.38	1714.53	1.0	1713.65	1.5	< 1706.07	0.65	1707.64	0.70	1707.65	4.1	1715.22	0.57	1710.03	2.7	< 1698.50	1.1	< 1701.36	6.2	1710.22
08/14/23	0.38	1714.53	1.1	1713.63	1.5	< 1706.07	0.65	1707.64	0.70	1707.65	4.1	1715.12	0.57	1710.03	2.6	< 1698.50	1.1	< 1701.36	5.7	1710.22
08/15/23	0.37	1714.53	1.1	1713.61	1	< 1706.07	0.65	1707.64	0.70	1707.65	4.1	1715.05	0.57	1710.03	2.6	< 1698.49	1.1	< 1701.36	5.3	1710.22
08/16/23	0.37	1714.53	1.1	1713.44	1	< 1706.07	0.65	1707.64	0.70	1707.65	4.1	1714.98	0.57	1710.03	2.6	< 1698.49	1.1	< 1701.36	5.3	1710.22
08/17/23	0.37	1714.53	1.0	1713.31	1.5	< 1706.07	0.65	1707.64	0.71	1707.65	4.1	1714.84	0.56	1710.03	2.6	< 1698.50	1.1	< 1701.46	5.4	1710.14
08/18/23	0.37	1714.53	1.1	1713.28	1.5	< 1706.06	0.64	1707.64	0.70	1707.65	4.1	1714.67	0.55	1710.03	2.6	< 1698.49	1.1	< 1701.46	5.4	1710.14
08/19/23	0.37	1714.53	1.2	1713.29	1.5	< 1706.06	0.64	1707.64	0.70	1707.64	4.1	1714.47	0.55	1710.02	2.6	< 1698.48	1.1	< 1701.46	7.1	1710.14
08/20/23	0.37	1714.53	1.2	1713.08	1.4	< 1706.05	0.64	1707.63	0.69	1707.64	4.1	1714.37	0.55	1710.02	2.6	< 1698.47	1.1	< 1701.46	7.4	1710.14
08/21/23	0.37	1714.53	1.2	1713.06	1.4	< 1706.06	0.64	1707.64	0.69	1707.65	4.1	1714.27	0.55	1710.03	2.6	< 1698.47	1.1	< 1701.46	6.6	1710.14
08/22/23	0.37	1714.53	1.0	1713.38	1.4	< 1706.06	0.64	1707.64	0.70	1707.65	4.1	1714.14	0.55	1710.03	2.6	< 1698.48	1.1	< 1701.46	6.2	1710.14
08/23/23	0.37	1714.53	0.94	1714.38	1.4	< 1706.68	0.64	1707.64	0.70	1707.65	4.1	1714.08	0.55	1710.03	2.6	< 1698.47	1.1	< 1701.46	6.6	1710.14
08/24/23	0.37	1714.53	0.93	1714.36	1.4	< 1706.17	0.64	1707.64	0.69	1707.65	4.1	1713.97	0.55	1710.03	2.6	< 1698.47	1.1	< 1700.40	6.5	1710.11
08/25/23	0.36	1714.61	0.85	1715.89	1.4	< 1707.09	0.62	1708.10	0.67	1708.23	3.9	1715.12	0.55	1710.39	2.5	< 1699.83	1.0	< 1700.70	6.1	1710.11
08/26/23	0.37	1714.53	0.88	1715.87	1.5	< 1706.18	0.64	1707.65	0.70	1707.65	4.1	1714.69	0.57	1710.03	2.7	< 1698.43	1.1	< 1700.70	6.5	1710.11
08/27/23	0.37	1714.53	0.92	1715.16	1.5	< 1706.18	0.64	1707.65	0.70	1707.65	4.1	1714.22	0.56	1710.03	2.7	< 1698.42	1.1	< 1700.70	6.3	1710.11
08/28/23	0.37	1714.53	0.94	1714.84	1.5	< 1706.19	0.64	1707.65	0.70	1707.65	4.1	1714.01	0.56	1710.03	2.7	< 1698.42	1.1	< 1700.70	6.2	1710.11
08/29/23	0.37	1714.53	0.97	1714.84	1.5	< 1706.32	0.64	1707.65	0.70	1707.65	4.1	1713.93	0.56	1710.03	2.8	< 1698.40	1.1	< 1700.70	6.2	1710.11
08/30/23	0.37	1714.53	0.98	1714.70	1.5	< 1706.29	0.64	1707.65	0.70	1707.65	4.1	1713.92	0.56	1710.03	2.8	< 1698.39	1.1	< 1700.70	6.2	1710.11
08/31/23	0.36	1714.53	0.95	1714.73	1.5	< 1706.31	0.64	1707.65	0.70	1707.65	4.1	1713.87	0.56	1710.03	2.8	< 1698.38	1.1	< 1700.65	6.0	1710.11
Monthly Average	0.37	1714.53	1.0	1714.30	1.2	1708.88	0.64	1707.67	0.70	1707.70	4.1	1715.09	0.57	1710.04	2.7	1698.96	1.1	< 1702.17	6.1	1710.19
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	8/8/2023	550	8/1/2023	290	8/1/2023	810	8/8/2023	820	8/8/2023	500	8/9/2023	490	8/8/2023	560	8/1/2023	360	8/1/2023	140	8/9/2023
Hexavalent Chromium	13	8/17/2023	0.84	8/1/2023	1.5	8/1/2023	8.1	8/17/2023	13	8/17/2023	6.9	8/9/2023	9.6	8/17/2023	9.3 J6	8/1/2023	1.2	8/1/2023	4.2	8/9/2023
Total Chromium	13	8/8/2023	0.91	8/1/2023	1.6	8/1/2023	14	8/8/2023	13	8/8/2023	7.1	8/9/2023	10	8/8/2023	9.7	8/1/2023	1.3	8/1/2023	4.0	8/9/2023

Notes:

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

J6 = Sample matrix interfered with the ability to make an accurate determination; spike value is low.

1: Analytical results are reported from Eurofins TestAmerica.

2: From 08/02 to 08/06 and on 08/25, IWF offline intermittently due to maintenance.

6: On 08/04, I-AD, I-G, I-L, and I-R adjusted to meet flow targets as directed by the Trust.

7: On 08/07, I-D, I-E, I-F, and I-V adjusted to meet flow targets as directed by the Trust.

8: On 08/17, I-D, I-L, I-Y, and I-Z water level taken manually due to water level dropping below transducer level.

9: On 08/01, I-E, I-M, I-N, I-O, I-R, and I-S adjusted to meet flow targets as directed by the Trust.

10: On 08/10,I-E, I-M, I-N, I-O, and I-W adjusted to meet flow targets as directed by the Trust.

11: On 08/09, 08/24, and 08/31, I-L, I-Y, and I-Z 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	Chromium Treatment Subsystem Effluent[1]				GW-11 Influent[1]				Unit 4 Influent[2]					FBR Plant Influent[1]						
	Flow (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[3] (gpm)	PA - Cr (VI) (mg/L)	TA - ClO_4 (mg/L)	TA - ClO_3 (mg/L)	TA - NO_3 - N (mg/L)	Flow[4] (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)
08/01/23	833	53				0.0				1.6					1010		42				
08/02/23	830	60	0.49	ND	440	0.0				0.8	5.0	410	1400	31	974		50		7.9	0.069	0.019
08/03/23	840	60				0.0				0.0					982		42				
08/04/23	832	60				0.0				0.0					993		38				
08/05/23	832	60				0.0				0.0					958	42	42				
08/06/23	832	60				0.0				0.0					893		38				
08/07/23	832	55				0.0				0.0					938		49				
08/08/23	832	60				0.0				0.0					1002		47				
08/09/23	832	60	0.80	ND	380	1.7	0.055	0.054	30	0.0	3.1	420	1400	2.8	918		41	97	9.5	0.098	0.035
08/10/23	831	60				0.0				0.0					891		32				
08/11/23	831	60				0.0				0.0					891		46				
08/12/23	832	60				0.0				0.0					892	48	47				
08/13/23	832	60				0.0				0.0					896		47				
08/14/23	832	60				0.0				0.0					894		47				
08/15/23	833	60				0.0				0.0					893		39				
08/16/23	591	60	0.62	0.00035 J	410	0.0				0.0	2.5	710	400	12	825		47		9.7	0.092	ND
08/17/23	374	60				0.0				0.0					758		42				
08/18/23	530	60				0.0				0.0					887		40				
08/19/23	845	60				0.0				0.0					906	52 D	47				
08/20/23	852	60				0.0				0.0					912		48				
08/21/23	842	60				0.0				0.0					902		49				
08/22/23	848	60				0.0				0.0					1015		49				
08/23/23	843	60	1.0	ND Q	390	0.0				0.0	2.3 Q	440	790	20	1034		50		10	0.12	0.029 Q
08/24/23	852	60				0.0				0.0					1006		57				
08/25/23	846	46				0.0				0.0					966		47				
08/26/23	848	60				0.0				0.0					908	49	39				
08/27/23	859	49				0.0				0.0					975		47				
08/28/23	859	58				0.0				0.0					1005		45				
08/29/23	882	60				0.0				0.0					953		47				
08/30/23	858	60	0.63	0.00039 J	370	0.0				0.0					992		40		10	0.071	0.024
08/31/23	864	60				0.0				0.0					1006		46				
Monthly Average[2]	809	59	0.73	0.00014	397	0.06	0.06	0.054	30	0.1	5.0	410	1400	31	938	48	45	97	9.5	0.092	0.022

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.

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

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 (ClO4 = 0.5 ug/L; ClO3 = 10 ug/L; NO3-N= 0.055 mg/L; Cr(VI) = 0.25 ug/L).

Q = Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.

TR = Total Recoverable.

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: From 08/01 to 08/31, Unit 4 valve closed due to maintenance.

4: On 08/25, FBR Plant Influent flow meter offline due to maintenance; average flows are presented for this date.

Nevada Environmental Response Trust I Groundwater Extraction and Treatment System I Enhanced Operational Metrics														
Date	1st Stage FBR[5]			2nd Stage FBR[5]			FBR Plant Effluent[1]							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow[6] (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)
08/01/23	1032	6.8	-348	855	6.6	-414	1007		ND					9.0
08/02/23	1084	6.7	-340	887	6.7	-407	1001		ND		0.018	ND	ND	11
08/03/23	1074	6.7	-329	817	6.5	-413	1003		ND					10
08/04/23	1098	6.7	-301	890	6.4	-408	993		ND					15
08/05/23	1076	6.8	-242	825	6.5	-400	959	ND D	ND					10
08/06/23	1067	6.8	-288	769	6.5	-398	882		ND					12
08/07/23	1081	7.0	-372	947	6.6	-413	912		ND					18
08/08/23	1000	6.9	-359	931	6.6	-410	1002		ND					18
08/09/23	974	6.8	-357	810	6.5	-409	909		ND	0.056	0.0089 J	ND	ND	25
08/10/23	968	6.8	-366	717	6.4	-407	897		ND					12
08/11/23	982	6.8	-352	808	6.4	-410	895		ND					11
08/12/23	973	6.9	-369	674	6.4	-413	893	ND D	ND					5.0
08/13/23	975	6.9	-350	811	6.3	-409	900		ND					8.0
08/14/23	986	6.8	-312	694	6.2	-408	903		ND					10
08/15/23	983	6.8	-327	828	6.4	-410	908		ND					12
08/16/23	921	6.7	-345	514	6.3	-410	356		ND		0.014	ND	ND	10
08/17/23	893	6.7	-331	680	6.2	-411	0		ND					18
08/18/23	981	6.9	-362	924	6.4	-412	373		ND					20
08/19/23	1032	7.0	-355	923	6.4	-409	924	ND D	ND					3.0
08/20/23	990	6.9	-312	903	6.4	-403	928		ND					8.0
08/21/23	982	6.9	-310	826	6.3	-399	918		ND					8.0
08/22/23	1030	7.0	-352	894	6.4	-400	984		ND					8
08/23/23	1052	6.9	-248	883	6.4	-354	975		ND		0.015	ND Q	ND	8.0
08/24/23	1119	7.0	-318	1001	6.4	-402	996		ND					8.0
08/25/23	990	7.0	-317	844	6.5	-409	632		ND					9.0
08/26/23	995	7.2	-290	788	6.6	-404	1106	ND	ND					10
08/27/23	1070	7.2	-328	901	6.5	-405	680		ND					11
08/28/23	1014	6.7	-274	879	6.7	-351	1004		ND					23
08/29/23	1026	6.7	-277	713	6.6	-358	978		ND					20
08/30/23	1034	6.8	-307	885	6.6	-384	1018		ND		0.0081 J B	ND	ND	23
08/31/23	1028	6.8	-316	806	6.6	-367	1030		ND					11
Monthly Average[2]	1016	6.9	-324	827	6.5	-400	870	ND	ND	0.056	0.013	ND	ND	12

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.

B = Compound was found in the blank and sample.

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

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

TR = Total Recoverable.

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.

5: 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.

6: 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)
08/15/23	24.2	44.3
08/31/23	24.5	43.9

GW-11 Leak Detection Monitoring				
Date	Amount Pumped[2] (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
08/08/23	0.0	0.0	0.0	0.0
08/22/23	0.0	0.0	0.0	0.0

GW-11 Composite Sample[3]		
Analytes	Concentration	Units
Perchlorate	2.8	mg/L
Chlorate	0.29 J	mg/L
Ammonia as N	0.063	mg/L
Total Phosphorus	0.24	mg/L
Total Dissolved Solids (TDS)	14,000	mg/L
Total Suspended Solids (TSS)	29	mg/L
pH	8.5 HF	s.u.
Calcium	650	mg/L
Iron	0.35	mg/L
Chromium (total)	ND	mg/L
Chromium VI	ND	mg/L
Chloride	5,100	mg/L
Nitrate as N	ND	mg/L
Sulfate	4,400	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 (NO3-N= 0.055 mg/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.

3: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: August 17, 2023

Table Updated: 9/15/2023

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)		
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	9.8	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
July 2023	946	53	6.6	150	466	420
August 2023	938	48	9.5	97	378	419

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																
	E1-1		E1-2		E1-3		E2-1		E2-2		E2-3		E2-4		E2-5	
Date	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)
08/01/23	2.1	1710.12	0.73	1710.07	0.91	1711.52	0.52	1717.29	0.88	1715.83	1.3	1714.52	0.82	1717.70	0.51	1709.62
08/02/23	2.1	1710.14	0.66	1710.46	0.90	1711.00	0.46	1713.06	1.0	1716.30	1.3	1715.04	0.80	1717.54	0.50	1710.56
08/03/23	2.2	1710.17	0.68	1710.71	0.93	1710.87	0.48	1716.00	1.0	1716.76	1.3	1715.69	0.83	1718.03	0.52	1712.00
08/04/23	2.1	1710.58	0.52	1711.20	0.94	1711.36	0.49	1715.76	0.80	1716.31	1.4	1715.74	0.85	1717.35	0.52	1711.99
08/05/23	2.1	1709.62	0.36	1710.66	0.94	1710.82	0.45	1716.51	0.67	1716.54	1.4	1715.65	0.85	1717.22	0.53	1712.06
08/06/23	2.1	1710.26	0.51	1709.86	0.95	1710.02	0.52	1717.52	0.87	1717.42	1.4	1715.22	0.89	1716.89	0.51	1710.14
08/07/23	2.1	1709.93	0.63	1709.95	0.95	1710.09	0.52	1717.60	0.88	1717.29	1.3	1715.10	0.95	1717.76	0.51	1710.09
08/08/23	2.1	1709.91	0.79	1710.06	0.88	1710.22	0.47	1718.16	0.86	1717.20	1.3	1714.26	0.87	1718.23	0.51	1709.53
08/09/23	2.1	1709.96	0.79	1710.46	0.91	1710.60	0.60	1716.49	0.85	1715.79	1.3	1715.24	0.85	1717.88	0.49	1709.77
08/10/23	2.1	1710.04	0.79	1710.34	0.89	1710.81	0.65	1716.61	0.81	1716.55	1.3	1715.91	0.86	1717.26	0.49	1709.66
08/11/23	2.2	1709.57	0.91	1709.84	0.93	1711.36	0.63	1716.96	0.89	1716.51	1.3	1715.69	0.94	1716.29	0.50	1709.56
08/12/23	2.1	1710.58	0.85	1711.08	0.91	1712.12	0.61	1717.07	0.84	1716.67	1.3	1716.05	0.85	1716.55	0.53	1710.12
08/13/23	2.0	1710.55	0.84	1711.66	0.92	1712.18	0.59	1717.02	0.83	1717.02	1.3	1716.55	0.82	1716.98	0.50	1709.99
08/14/23	2.2	1710.03	0.78	1712.25	0.91	1711.84	0.57	1716.90	0.84	1717.77	1.4	1716.80	0.85	1716.32	0.61	1709.27
08/15/23	2.2	1709.93	0.81	1711.65	1.0	1712.12	0.53	1716.81	1.0	1715.70	1.3	1716.96	0.89	1716.58	0.59	1709.89
08/16/23	1.9	1710.08	0.81	1711.46	0.82	1712.20	0.66	1716.69	1.0	1715.26	1.3	1716.22	0.77	1717.08	0.44	1710.02
08/17/23	2.1	1709.82	0.80	1711.36	0.90	1712.17	0.55	1716.92	1.1	1715.41	1.5	1716.14	0.86	1717.00	0.48	1709.65
08/18/23	2.0	1710.03	0.74	1710.81	0.89	1711.37	0.56	1716.85	1.1	1715.32	1.3	1715.93	0.80	1716.68	0.39	1709.81
08/19/23	2.1	1710.08	0.61	1710.76	0.90	1711.02	0.50	1716.77	1.0	1714.79	1.4	1715.95	0.71	1716.35	0.40	1709.81
08/20/23	2.1	1710.57	0.68	1711.16	0.94	1711.02	0.52	1716.97	1.2	1714.60	1.5	1715.95	0.73	1717.39	0.39	1709.71
08/21/23	2.1	1710.26	0.74	1710.21	0.89	1711.50	0.44	1716.61	1.4	1714.28	1.1	1715.04	0.62	1717.66	0.34	1709.47
08/22/23	2.0	1709.81	0.77	1709.55	0.93	1710.30	0.50	1717.24	1.2	1714.06	1.3	1713.97	0.69	1719.72	0.36	1709.33
08/23/23	2.1	1709.63	0.77	1709.75	0.87	1710.22	0.53	1717.09	1.2	1714.11	1.4	1713.14	0.70	1717.55	0.38	1709.46
08/24/23	2.0	1709.70	0.75	1709.77	0.96	1710.35	0.51	1717.20	1.2	1713.94	1.3	1713.73	0.69	1717.79	0.37	1709.42
08/25/23	2.1	1709.77	0.77	1710.11	0.94	1710.50	0.54	1716.41	1.2	1713.91	1.4	1713.55	0.99	1717.96	0.37	1709.32
08/26/23	2.0	1710.02	0.74	1709.63	0.91	1710.54	0.53	1716.09	1.1	1714.04	1.4	1713.23	0.81	1717.98	0.40	1709.29
08/27/23	2.0	1710.21	0.71	1709.36	0.88	1710.64	0.52	1716.24	1.1	1714.42	1.4	1713.07	0.80	1718.01	0.39	1709.14
08/28/23	2.0	1710.06	0.79	1709.53	0.92	1710.50	0.56	1715.97	1.1	1714.57	1.2	1713.55	0.82	1718.11	0.36	1709.56
08/29/23	2.1	1710.08	0.79	1709.55	0.91	1710.35	0.56	1715.82	1.1	1714.80	1.3	1713.76	0.79	1718.29	0.36	1709.85
08/30/23	2.1	1709.91	0.81	1709.75	0.91	1710.31	0.51	1715.60	1.1	1714.51	1.3	1713.23	0.83	1717.51	0.36	1710.02
08/31/23	2.0	1709.90	0.86	1709.61	0.89	1710.06	0.59	1715.69	1.1	1714.32	1.4	1713.32	0.90	1717.19	0.36	1709.79
Monthly Average	2.1	1710.04	0.73	1710.41	0.91	1710.97	0.54	1716.58	1.0	1715.55	1.3	1714.97	0.82	1717.45	0.45	1709.93
Analytical[1]	Conc (mg/L)	Date	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
Perchlorate	470	8/8/2023	690	8/8/2023	350	8/8/2023	41	8/8/2023	890	8/8/2023	905	8/8/2023	650	8/8/2023	1,000	8/8/2023
Hexavalent Chromium	0.091	8/17/2023	0.61	8/17/2023	0.69	8/17/2023	0.025	8/17/2023	0.026	8/17/2023	0.112	8/17/2023	0.073 J6	8/17/2023	0.21	8/17/2023
Total Chromium	0.097	8/8/2023	0.63	8/8/2023	0.74	8/8/2023	0.025	8/8/2023	0.12	8/8/2023	0.12	8/8/2023	0.079	8/8/2023	0.28	8/8/2023

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.
J6 = Sample matrix interfered with the ability to make an accurate determination; spike value is low.
1: Analytical results are reported from Eurofins TestAmerica.
2: Duplicates taken on 08/01 for well E2-3; average of both values is presented and used for calculations.

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

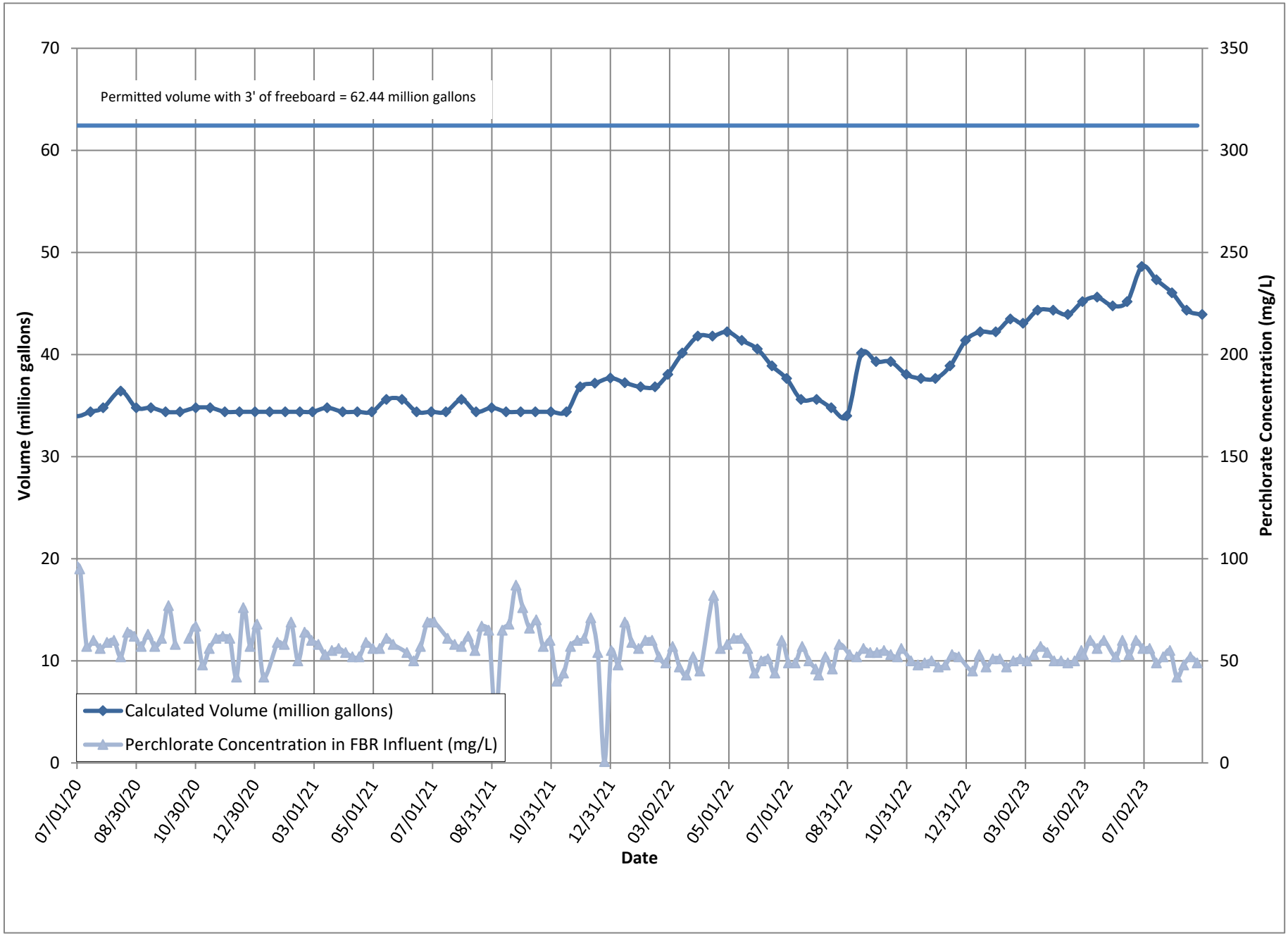
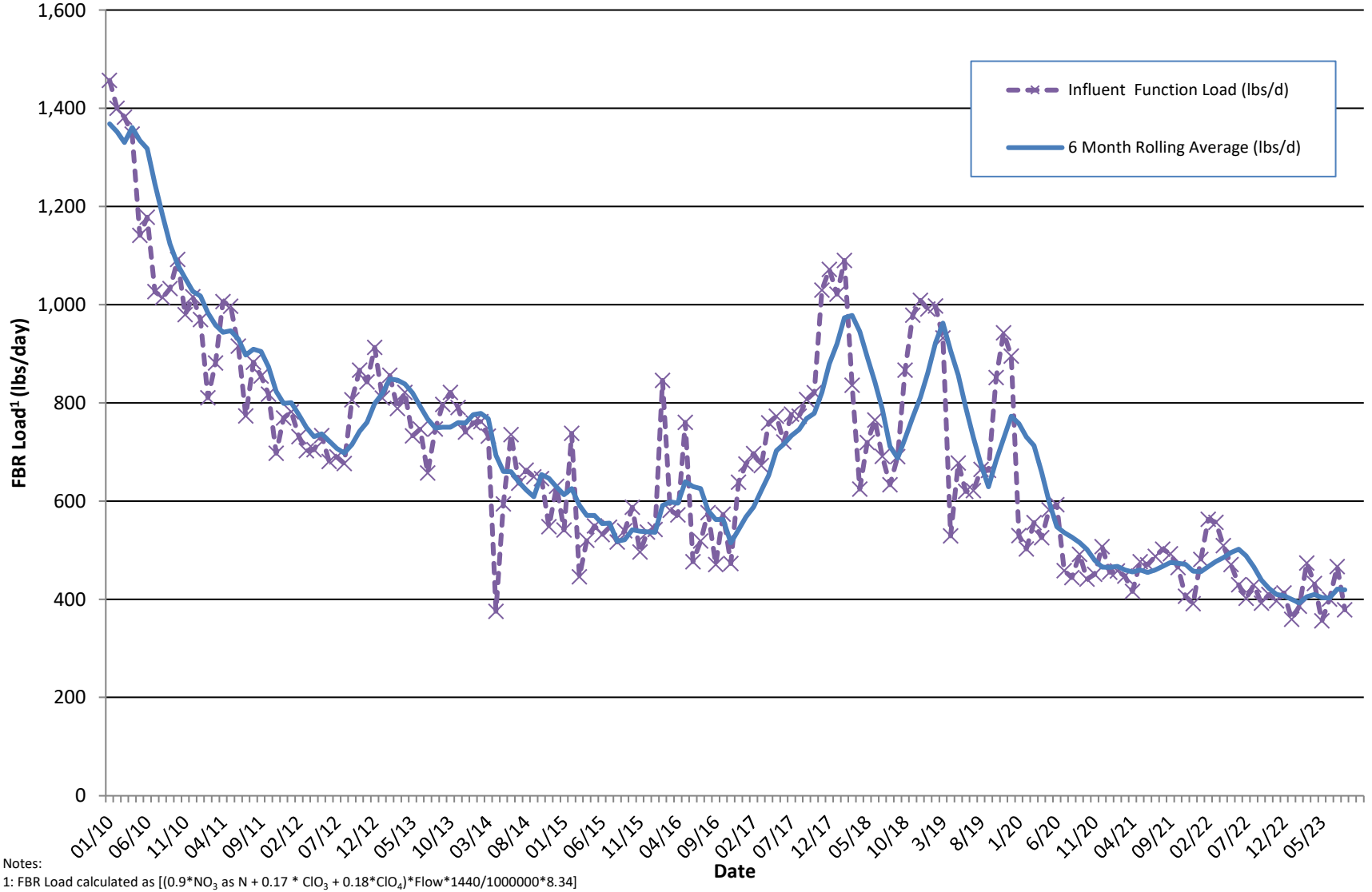


Figure Updated: 9/8/2023

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: 9/15/2023