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[4] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation[2] (ft amsl)
01/01/22	548	161	1538.50	97	1540.40	132	1544.35	106	1535.37	72	1548.25	103	1550.32	51	1551.38	21	1552.57	10	< 1520.00
01/02/22	549	161	1538.51	97	1540.45	132	1544.34	106	1535.36	72	1548.26	103	1550.32	51	1551.38	21	1552.57	10	< 1520.00
01/03/22	501	161	1538.51	97	1540.47	132	1544.36	106	1535.36	69	1548.33	103	1550.35	51	1551.40	21	1552.60	10	< 1520.00
01/04/22	482	161	1538.50	97	1540.50	132	1544.36	106	1535.35	69	1548.36	103	1550.35	51	1551.40	21	1552.59	10	< 1520.00
01/05/22	480	161	1538.50	97	1540.54	132	1544.37	106	1535.35	69	1548.38	103	1550.36	51	1551.41	21	1552.61	10	< 1520.00
01/06/22	479	161	1538.52	97	1540.57	132	1544.40	106	1535.37	69	1548.41	103	1550.39	51	1551.45	21	1552.64	10	< 1520.00
01/07/22	481	161	1538.55	97	1540.60	132	1544.44	106	1535.40	69	1548.46	103	1550.45	51	1551.50	21	1552.69	10	< 1520.00
01/08/22	481	161	1538.57	97	1540.67	132	1544.47	106	1535.41	69	1548.49	103	1550.48	51	1551.53	21	1552.73	10	< 1520.00
01/09/22	482	161	1538.63	97	1540.74	132	1544.51	106	1535.43	69	1548.53	103	1550.52	51	1551.58	21	1552.77	10	< 1520.00
01/10/22	483	161	1538.70	97	1540.80	132	1544.58	106	1535.47	69	1548.60	103	1550.60	51	1551.66	21	1552.86	10	< 1520.00
01/11/22	483	161	1538.77	97	1540.85	132	1544.67	106	1535.53	69	1548.68	103	1550.70	51	1551.76	21	1552.96	10	< 1520.00
01/12/22	483	161	1538.86	97	1540.90	132	1544.78	106	1535.61	69	1548.79	103	1550.82	51	1551.89	21	1553.09	10	< 1520.00
01/13/22	482	161	1538.98	97	1540.94	132	1544.91	106	1535.70	69	1548.90	103	1550.96	51	1552.03	21	1553.23	10	< 1520.00
01/14/22	480	161	1539.10	97	1540.99	132	1545.04	107	1535.80	69	1549.02	103	1551.09	51	1552.16	21	1553.37	10	< 1520.00
01/15/22	480	161	1539.23	97	1541.05	132	1545.17	107	1535.90	69	1549.14	103	1551.23	51	1552.30	21	1553.52	10	< 1520.00
01/16/22	481	161	1539.37	98	1541.09	132	1545.32	107	1536.01	69	1549.28	103	1551.39	51	1552.47	21	1553.68	10	< 1520.00
01/17/22	481	161	1539.51	98	1541.12	132	1545.47	107	1536.13	69	1549.41	103	1551.54	51	1552.62	21	1553.84	10	< 1520.00
01/18/22	485	161	1539.64	98	1541.16	133	1545.61	107	1536.24	69	1549.53	103	1551.69	51	1552.77	21	1553.99	10	< 1520.00
01/19/22	487	161	1539.76	98	1541.20	133	1545.73	107	1536.34	69	1549.63	103	1551.81	51	1552.89	21	1554.12	10	< 1520.00
01/20/22	487	161	1539.87	99	1541.24	133	1545.85	107	1536.44	69	1549.74	103	1551.93	51	1553.01	21	1554.24	10	< 1520.00
01/21/22	487	161	1540.00	99	1541.24	133	1545.99	107	1536.56	69	1549.85	103	1552.07	51	1553.15	21	1554.38	10	< 1520.00
01/22/22	488	161	1540.09	99	1541.26	133	1546.10	107	1536.64	69	1549.94	103	1552.17	51	1553.25	21	1554.48	10	< 1520.00
01/23/22	488	161	1540.18	99	1541.27	133	1546.20	107	1536.73	69	1550.03	103	1552.27	51	1553.35	21	1554.59	10	< 1520.00
01/24/22	489	161	1540.28	100	1541.26	133	1546.31	107	1536.82	69	1550.14	103	1552.39	51	1553.48	21	1554.71	10	< 1520.00
01/25/22	488	161	1540.35	100	1541.25	133	1546.39	107	1536.89	69	1550.20	103	1552.46	51	1553.55	21	1554.79	11	< 1520.00
01/26/22	489	161	1540.42	100	1541.24	133	1546.46	107	1536.95	69	1550.28	103	1552.55	51	1553.63	21	1554.87	11	< 1520.00
1/27/22[3]	484	159	1540.71	99	1541.35	131	1546.66	106	1537.24	69	1550.41	102	1552.67	51	1553.74	21	1554.96	10	< 1520.00
01/28/22	494	161	1540.72	101	1541.24	133	1546.70	107	1537.21	70	1550.46	104	1552.73	51	1553.82	21	1555.00	11	< 1520.00
01/29/22	493	161	1540.78	101	1541.19	133	1546.80	107	1537.28	70	1550.56	104	1552.84	51	1553.93	21	1555.00	11	< 1520.00
01/30/22	497	161	1540.84	101	1541.17	133	1546.88	107	1537.35	70	1550.64	104	1552.94	51	1554.02	21	1555.00	11	< 1520.00
01/31/22	498	161	1540.92	101	1541.13	133	1546.98	107	1537.43	70	1550.73	104	1553.05	51	1554.14	21	1555.00	11	< 1520.00
Monthly Average	490	161	1539.48	98	1540.96	132	1545.43	107	1536.15	69	1549.34	103	1551.46	51	1552.54	21	1553.72	10	< 1520.00
Analytical[1]		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[5] (mg/L)	Date
Perchlorate		**15**	**1/13/2022**	**14**	**1/13/2022**	**8.3**	**1/13/2022**	**9.9**	**1/13/2022**	**2.9**	**1/13/2022**	**0.42**	**1/13/2022**	**0.025**	**1/13/2022**	**ND**	**1/13/2022**	**0.68**	**1/13/2022**
Hexavalent Chromium		**0.0052**	**1/13/2022**	**ND**	**1/13/2022**	**ND**	**1/13/2022**	**0.0063**	**1/13/2022**	**ND**	**1/13/2022**	**ND**	**1/13/2022**	**ND**	**1/13/2022**	**ND**	**1/13/2022**	**ND**	**1/13/2022**
Total Chromium		**0.0029 J**	**1/13/2022**	**ND**	**1/13/2022**	**ND**	**1/13/2022**	**0.0041 J**	**1/13/2022**	**ND**	**1/13/2022**	**ND**	**1/13/2022**	**ND**	**1/13/2022**	**ND**	**1/13/2022**	**ND**	**1/13/2022**

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: 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.

3: On 01/27, LS#1 and SWF offline briefly due to maintenance.

4: From 12/31 to 01/04, PC-118 sent to LS#1 instead of IX.

5: Duplicates taken on 01/13 for well PC-133; average of both values is presented and used for calculations.

Table Updated: 2/14/2022

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[4 5] (gpm)	Water Elevation (ft amsl)	Flow[4 6 7] (gpm)	Water Elevation (ft amsl)	Flow[4 9] (gpm)	Water Elevation (ft amsl)	Flow[10] (gpm)	Water Elevation (ft amsl)	Flow[11] (gpm)	Water Elevation (ft amsl)	Flow[4] (gpm)	Water Elevation (ft amsl)	Flow[4 12 13] (gpm)	Water Elevation (ft amsl)	Flow[14 15] (gpm)	Water Elevation (ft amsl)
01/01/22	396	34	1580.00	139	1585.66	25	1583.84	4.6	1578.84	67	1576.42	20	1584.81	163	1584.83	1.5	1580.87
01/02/22	412	36	1581.75	144	1585.54	26	1584.08	4.6	1578.83	67	1576.41	20	1584.80	173	1584.69	1.5	1579.37
01/03/22	415	42	1585.40	144	1585.47	25	1584.05	4.6	1578.83	67	1576.41	20	1584.81	172	1584.65	1.5	1579.37
01/04/22	414	41	1585.41	143	1585.46	25	1584.04	4.5	1578.84	66	1576.42	20	1584.79	171	1584.64	1.5	1579.37
01/05/22	391	42	1585.55	144	1585.71	26	1584.20	4.5	1578.84	67	1576.40	20	1584.78	145	1584.65	1.5	1579.36
01/06/22	406	42	1585.54	144	1585.71	26	1584.20	4.5	1578.85	67	1576.40	20	1584.78	161	1584.89	1.5	1579.38
01/07/22	415	42	1585.50	144	1585.57	26	1584.12	4.4	1578.84	67	1576.40	20	1584.80	172	1584.73	1.5	1579.38
01/08/22	414	42	1585.45	143	1585.51	26	1584.08	4.4	1578.84	67	1576.40	20	1584.80	169	1584.68	1.5	1579.36
01/09/22	415	42	1585.43	143	1585.48	26	1584.05	4.4	1578.84	67	1576.40	20	1584.80	165	1584.66	1.5	1579.35
01/10/22 [2]	362	28	1582.60	98	1586.14	23	1581.87	4.2	1579.60	66	1576.73	20	1584.77	167	1585.05	1.5	1580.02
01/11/22	398	34	1585.79	125	1586.10	27	1584.30	4.6	1578.84	68	1576.42	21	1584.81	172	1585.08	1.5	1579.43
01/12/22	393	42	1585.81	144	1586.08	27	1584.42	4.6	1578.84	68	1576.42	20	1584.82	145	1584.14	1.5	1579.43
01/13/22	417	42	1585.72	143	1585.85	26	1584.32	4.6	1578.84	68	1576.47	20	1584.84	172	1584.94	1.5	1583.68
01/14/22	416	42	1585.68	143	1585.80	26	1584.29	4.7	1578.84	68	1576.46	20	1584.85	172	1584.91	1.5	1587.97
01/15/22	417	42	1585.69	143	1585.80	26	1584.30	4.7	1578.84	68	1576.49	20	1584.88	172	1584.91	1.5	1587.98
01/16/22	417	42	1585.72	143	1585.83	26	1584.33	4.7	1578.84	69	1576.47	20	1584.91	172	1584.94	1.5	1588.01
01/17/22	400	42	1585.86	121	1586.36	27	1584.45	4.8	1580.74	69	1576.47	20	1584.93	172	1585.11	1.5	1588.07
01/18/22	404	42	1585.83	143	1585.99	27	1584.44	4.8	1578.84	48	1579.71	20	1584.72	172	1585.06	1.0	1585.02
01/19/22 [2]	307	30	1586.38	103	1587.18	20	1585.61	3.6	1580.61	53	1579.59	16	1585.38	124	1586.05	1.1	1581.99
01/20/22	425	42	1586.13	143	1586.38	27	1584.73	5.1	1578.84	73	1576.65	22	1585.14	172	1583.26	1.5	1579.60
01/21/22	424	42	1586.07	144	1586.28	27	1584.64	5.0	1578.84	73	1576.64	22	1585.13	172	1583.22	1.5	1579.58
01/22/22	424	42	1586.05	144	1586.25	27	1584.61	5.0	1580.31	73	1576.63	22	1585.17	172	1583.19	1.5	1579.56
01/23/22	424	42	1586.05	143	1586.25	27	1584.61	5.0	1582.12	73	1576.63	22	1585.28	172	1583.19	1.5	1579.57
01/24/22	425	42	1586.08	143	1586.29	27	1584.64	4.9	1578.96	74	1576.65	22	1585.13	172	1583.16	1.5	1579.55
01/25/22	418	42	1586.14	135	1586.44	27	1584.69	4.9	1578.83	74	1576.66	22	1585.18	172	1583.30	1.5	1579.55
01/26/22	425	42	1586.13	144	1586.36	27	1584.69	4.8	1578.83	74	1576.67	22	1585.41	172	1583.28	1.5	1579.55
01/27/22	424	42	1586.14	143	1586.37	27	1584.71	4.0	1580.46	74	1576.69	22	1585.53	172	1583.30	1.5	1579.56
01/28/22	424	42	1586.17	143	1586.42	27	1584.75	3.5	1581.41	75	1576.70	22	1585.69	172	1583.34	1.5	1579.59
01/29/22	425	42	1586.21	143	1586.47	27	1584.80	3.5	1581.47	75	1576.72	22	1585.48	172	1583.38	1.5	1579.61
01/30/22	425	42	1586.24	143	1586.51	27	1584.83	3.5	1581.50	76	1576.74	22	1585.44	172	1583.42	1.5	1579.61
01/31/22	426	42	1586.28	143	1586.55	27	1584.86	3.5	1581.54	76	1576.76	23	1585.39	172	1583.45	1.5	1579.62
Monthly Average	410	40	1585.44	139	1586.06	26	1584.37	4.5	1579.53	69	1576.74	21	1585.03	168	1584.26	1.5	1581.04
Analytical[1]		Conc (mg/L)		Conc[8] (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		23	1/13/2022	8.9	1/13/2022	130	1/13/2022	86	1/13/2022	120	1/13/2022	60	1/13/2022	51	1/13/2022	44	1/13/2022
Hexavalent Chromium		ND	1/13/2022	0.0028	1/13/2022	0.25	1/13/2022	0.10	1/13/2022	0.61	1/13/2022	0.40	1/13/2022	0.061	1/13/2022	0.044	1/13/2022
Total Chromium		ND	1/13/2022	ND	1/13/2022	0.25 B	1/13/2022	0.097 B	1/13/2022	0.61 B	1/13/2022	0.39	1/13/2022	0.051 B	1/13/2022	0.043 B	1/13/2022

Notes:

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

B = Compound was found in the blank and sample.

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 01/10, all AWF wells except ART-8A offline intermittently due to maintenance.

3: On 01/19, AWF down due to maintenance.

4: On 01/04, ART-1A, ART-2/-2A, ART-3A, ART-7B, and ART-8A offline intermittently due to maintenance.

5: From 01/10 to 01/11, ART-1A switched to ART-1.

6: From 01/10 to 01/11, ART-2A offline due to maintenance.

7: On 01/25, ART-2A switched briefly to ART-2.

8: Duplicates taken on 01/13 for well ART-2/-2A; average of both values is presented and used for calculations.

9: From 01/10 to 01/11, ART-3A switched to ART-3.

10: On 01/28, ART-4 switched to ART-4A

11: On 01/17 and 01/18, ART-9 offline due to maintenance.

12: From 01/05, 01/06, and 01/12, ART-8A switched to ART-8.

13: On 01/06, ART-8A offline briefly due to maintenance.

14: On 01/18, PC-150 offline due to maintenance.

15: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 01/01-01/31 flows and used for calculation purposes.
Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

Table Updated: 2/14/2022

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 (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)
01/01/22	0.17	1719.37	0.95	1707.65	0.00	1719.26	0.00	1725.40	0.52	1723.10	0.48	1709.61	3.9	1708.97	1.5	1717.33	0.98	1715.98	4.3	1718.90
01/02/22	0.13	1720.45	0.95	1707.64	0.00	1719.25	0.00	1725.37	0.52	1723.11	0.48	1709.62	3.9	1708.80	1.5	1717.05	0.99	1715.88	4.3	1718.84
01/03/22	0.11	1722.12	0.95	1707.70	0.00	1719.24	0.00	1725.38	0.52	1723.12	0.47	1709.63	3.9	1708.76	1.4	1716.76	0.99	1715.79	4.3	1718.77
01/04/22	0.10	1722.40	0.94	1707.87	0.00	1719.20	0.00	1725.34	0.51	1723.15	0.46	1709.63	3.9	1708.74	1.4	1716.43	1.0	1715.74	4.3	1718.70
01/05/22	0.09	1722.57	0.94	1707.83	0.00	1719.18	0.00	1725.33	0.51	1723.17	0.46	1709.64	3.9	1708.74	1.4	1715.86	0.98	1715.70	4.3	1718.63
01/06/22	0.09	1722.54	0.95	1707.73	0.00	1719.17	0.00	1725.31	0.51	1723.16	0.46	1709.64	3.9	1708.74	1.4	1715.54	0.97	1715.68	4.3	1718.56
01/07/22	0.08	1722.71	0.94	1707.74	0.00	1719.16	0.00	1725.30	0.51	1723.16	0.46	1709.63	4.0	1708.74	1.4	1714.96	0.94	1715.82	4.3	1718.49
01/08/22	0.08	1722.68	0.94	1707.75	0.00	1719.14	0.00	1725.21	0.51	1723.14	0.46	1709.63	4.0	1708.74	1.4	1714.13	0.95	1715.65	4.3	1718.41
01/09/22	0.09	1722.51	0.94	1707.69	0.00	1719.13	0.00	1725.19	0.50	1723.15	0.45	1709.62	4.0	1708.74	1.4	1713.78	0.96	1715.55	4.3	1718.32
01/10/22	0.09	1722.54	0.94	1707.66	0.00	1719.12	0.00	1725.20	0.50	1723.17	0.45	1709.62	4.0	1708.73	1.4	1713.52	0.95	1715.54	4.3	1718.25
01/11/22	0.09	1722.60	0.94	1707.65	0.00	1719.11	0.00	1725.20	0.51	1723.13	0.46	1709.59	4.0	1708.73	1.4	1713.33	0.94	1715.47	4.3	1718.17
01/12/22	0.10	1722.26	0.93	1707.79	0.20	1714.63	0.00	1725.20	0.49	1723.21	0.45	1709.57	4.0	1708.73	1.4	1712.82	0.94	1715.44	4.3	1718.08
01/13/22	0.14	1721.26	0.91	1708.02	0.38	1710.25	0.00	1725.18	0.46	1723.40	0.44	1709.54	4.0	1708.73	1.4	1712.36	0.93	1715.41	4.3	1717.99
01/14/22	0.19	1718.55	0.91	1707.95	0.37	1710.19	0.00	1725.15	0.46	1723.39	0.44	1709.54	4.0	1708.73	1.4	1711.87	0.93	1715.34	4.3	1717.89
01/15/22	0.19	1718.12	0.91	1707.89	0.37	1710.17	0.00	1725.15	0.41	1723.61	0.44	1709.54	4.0	1708.73	1.4	1711.38	0.90	1715.46	4.3	1717.79
01/16/22	0.19	1718.21	0.91	1707.86	0.38	1710.16	0.00	1725.17	0.43	1723.51	0.44	1709.53	4.0	1708.73	1.4	1711.28	0.90	1715.41	4.3	1717.69
01/17/22	0.18	1718.34	0.91	1707.86	0.38	1710.15	0.02	1724.12	0.41	1723.59	0.44	1709.53	4.0	1708.73	1.4	1710.72	0.90	1715.35	4.3	1717.59
01/18/22	0.18	1718.59	0.91	1707.85	0.38	1710.15	0.00	1725.31	0.38	1723.77	0.44	1709.52	4.0	1708.73	1.3	1710.84	0.90	1715.30	4.3	1717.49
01/19/22	0.12	1719.59	0.92	1707.76	0.16	1714.97	0.00	1725.23	0.38	1723.74	0.45	1709.53	4.0	1708.73	1.3	1711.21	0.90	1715.26	4.3	1717.39
01/20/22	0.09	1722.38	0.93	1707.68	0.00	1719.10	0.00	1725.20	0.39	1723.70	0.45	1709.54	4.0	1708.73	1.3	1710.98	0.90	1715.20	4.3	1717.30
01/21/22	0.09	1722.44	0.93	1707.73	0.00	1719.12	0.00	1725.26	0.39	1723.70	0.45	1709.55	4.0	1708.73	1.3	1711.51	0.90	1715.18	4.3	1717.21
01/22/22	0.07	1722.97	0.94	1707.64	0.00	1719.12	0.00	1725.21	0.39	1723.68	0.45	1709.54	4.0	1708.73	1.3	1711.35	0.90	1715.14	4.3	1717.13
01/23/22	0.06	1723.54	0.94	1707.65	0.00	1719.12	0.00	1725.18	0.40	1723.65	0.45	1709.53	4.0	1708.73	1.3	1711.24	0.90	1715.11	4.3	1717.04
01/24/22	0.05	1723.60	0.93	1707.69	0.00	1719.12	0.00	1725.20	0.40	1723.66	0.45	1709.53	4.0	1708.73	1.3	1710.26	0.90	1715.08	4.3	1716.96
01/25/22	0.06	1723.64	0.94	1707.65	0.00	1719.12	0.00	1725.23	0.40	1723.64	0.45	1709.53	4.0	1708.73	1.3	1708.86	0.94	1714.71	4.3	1716.87
01/26/22	0.05	1723.69	0.94	1707.65	0.00	1719.11	0.00	1725.20	0.40	1723.63	0.45	1709.54	4.0	1708.73	1.3	1708.96	0.98	1714.48	4.3	1716.75
01/27/22	0.05	1723.70	0.93	1707.69	0.00	1719.10	0.00	1725.17	0.39	1723.65	0.45	1709.56	4.0	1708.73	1.3	1708.53	0.99	1714.39	4.3	1716.62
01/28/22	0.05	1723.74	0.93	1707.69	0.00	1719.10	0.00	1725.16	0.38	1723.67	0.45	1709.57	4.1	1708.73	1.3	1708.55	0.98	1714.39	4.3	1716.49
01/29/22	0.05	1723.87	0.93	1707.74	0.00	1719.10	0.00	1725.17	0.38	1723.69	0.45	1709.56	4.1	1708.73	1.3	1708.50	0.98	1714.40	4.3	1716.36
01/30/22	0.05	1723.82	0.93	1707.77	0.00	1719.14	0.00	1725.14	0.38	1723.67	0.46	1709.61	4.1	1708.73	1.3	1708.24	0.98	1714.39	4.3	1716.21
01/31/22	0.05	1723.67	0.94	1707.79	0.00	1719.23	0.00	1725.18	0.39	1723.66	0.48	1709.47	4.1	1708.73	1.3	1708.64	1.0	1714.19	4.3	1716.02
Monthly Average	0.10	1721.89	0.93	1707.75	0.084	1717.13	0.00	1725.19	0.44	1723.44	0.45	1709.57	4.0	1708.74	1.4	1712.15	0.94	1715.24	4.3	1717.64
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[2] (mg/L)	Date
Perchlorate	380	1/12/2022	28	1/12/2022	90	1/12/2022	210	1/17/2022	210	1/17/2022	280	1/12/2022	450	1/11/2022	500	1/11/2022	390	1/11/2022	535	1/11/2022
Hexavalent Chromium	0.45	1/12/2022	0.054	1/12/2022	0.011	1/12/2022	1.9	1/17/2022	1.9	1/17/2022	0.19	1/12/2022	2.7	1/11/2022	4.3	1/11/2022	5.7	1/11/2022	12	1/11/2022
Total Chromium	0.76	1/12/2022	0.058	1/12/2022	0.027	1/12/2022	1.8	1/17/2022	1.8	1/17/2022	0.19	1/12/2022	2.5	1/11/2022	4.2	1/11/2022	5.2	1/11/2022	12	1/11/2022

Notes:

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

1: Analytical results are reported from Eurofins TestAmerica.

2: On 01/19, well I-AB was turned off after sampling event.

3: Duplicates taken on 01/11 for well I-F; average of both values is presented and used for calculations.

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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[4] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[4] (gpm)	Water Elevation (ft amsl)
01/01/22	0.21	1721.73	0.99	1721.37	4.3	1722.75	6.2	1722.08	0.91	1720.79	0.96	1716.47	2.1	1719.04	3.4	1718.18	0.51	1722.71	1.6	1722.72
01/02/22	0.21	1721.71	1.0	1721.32	4.3	1722.74	6.2	1722.10	0.90	1720.78	0.95	1716.41	2.1	1718.98	3.4	1718.12	0.50	1722.68	1.6	1722.69
01/03/22	0.21	1721.70	0.98	1721.33	4.3	1722.74	6.2	1722.18	0.90	1720.80	1.17	1714.93	2.1	1718.91	3.4	1718.07	0.48	1722.67	1.7	1722.64
01/04/22	0.21	1721.67	0.98	1721.31	4.3	1722.73	6.2	1722.14	0.90	1720.80	1.3	1714.00	2.1	1718.84	3.4	1718.00	0.49	1722.65	1.9	1722.59
01/05/22	0.21	1721.65	0.97	1721.29	4.3	1722.72	6.2	1722.13	0.90	1720.80	1.3	1714.00	2.1	1718.77	3.4	1717.92	0.50	1722.63	1.8	1722.58
01/06/22	0.21	1721.64	0.97	1721.28	4.3	1722.72	6.2	1722.14	0.90	1720.81	1.2	1714.00	2.1	1718.70	3.4	1717.84	0.50	1722.62	1.8	1722.57
01/07/22	0.21	1721.62	0.97	1721.29	4.3	1722.72	6.2	1722.22	0.90	1720.82	1.2	1714.00	2.1	1718.64	3.4	1717.77	0.50	1722.62	1.8	1722.57
01/08/22	0.21	1721.58	0.96	1721.25	4.3	1722.69	6.2	1722.01	0.90	1720.79	1.2	1714.00	2.1	1718.56	3.4	1717.64	0.50	1722.59	1.8	1722.54
01/09/22	0.21	1721.55	0.96	1721.20	4.3	1722.66	6.2	1721.85	0.90	1720.75	1.2	1714.00	2.1	1718.48	3.4	1717.45	0.50	1722.56	1.8	1722.51
01/10/22	0.21	1721.53	0.96	1721.19	4.3	1722.65	6.2	1721.91	0.90	1720.75	1.2	1714.00	2.1	1718.42	3.4	1717.26	0.50	1722.54	1.8	1722.47
01/11/22	0.21	1721.51	0.96	1721.19	4.3	1722.64	6.2	1721.91	0.9	1720.75	1.2	1714.00	2.1	1718.36	3.4	1717.07	0.50	1722.53	1.8	1722.48
01/12/22	0.21	1721.49	0.95	1721.18	4.3	1722.64	6.2	1721.90	0.90	1720.76	1.1	1714.00	2.1	1718.30	3.5	1716.76	0.50	1722.52	1.8	1722.47
01/13/22	0.21	1721.47	0.95	1721.17	4.3	1722.64	6.2	1721.93	0.90	1720.77	1.1	1714.06	2.1	1718.25	3.5	1716.45	0.50	1722.52	1.8	1722.46
01/14/22	0.21	1721.45	0.95	1721.17	4.3	1722.62	6.2	1721.85	0.90	1720.75	1.1	1714.09	2.1	1718.18	3.5	1716.05	0.49	1722.50	1.8	1722.45
01/15/22	0.21	1721.42	0.94	1721.16	4.3	1722.61	6.2	1721.79	0.90	1720.74	1.0	1714.05	2.1	1718.13	3.4	1715.60	0.49	1722.49	1.8	1722.44
01/16/22	0.21	1721.41	0.94	1721.15	4.3	1722.61	6.2	1721.85	0.89	1720.76	1.0	1714.14	2.1	1718.08	3.4	1715.12	0.49	1722.49	1.8	1722.45
01/17/22	0.21	1721.39	0.94	1721.14	4.3	1722.61	6.2	1721.87	0.89	1720.76	1.0	1714.12	2.1	1718.02	3.3	1714.88	0.49	1722.48	1.8	1722.45
01/18/22	0.21	1721.37	0.94	1721.14	4.3	1722.60	6.2	1721.85	0.89	1720.75	1.0	1714.28	2.1	1717.96	3.3	1714.77	0.49	1722.48	1.8	1722.44
01/19/22	0.21	1721.34	0.94	1721.11	4.3	1722.58	6.2	1721.77	0.90	1720.73	1.0	1714.56	2.1	1717.90	3.2	1714.49	0.49	1722.46	1.8	1722.42
01/20/22	0.21	1721.31	0.94	1721.10	4.3	1722.57	6.2	1721.73	0.90	1720.72	1.0	1714.51	2.1	1717.86	3.2	1714.38	0.51	1722.44	1.7	1722.41
01/21/22	0.21	1721.30	0.93	1721.11	4.3	1722.58	6.2	1721.82	0.90	1720.73	1.0	1714.53	2.1	1717.82	3.1	1714.30	0.53	1722.44	1.8	1722.41
01/22/22	0.21	1721.27	0.93	1721.09	4.3	1722.56	6.2	1721.74	0.90	1720.71	1.0	1714.53	2.1	1717.78	3.1	1714.15	0.53	1722.42	1.8	1722.39
01/23/22	0.21	1721.25	0.93	1721.08	4.3	1722.55	6.2	1721.69	0.90	1720.71	1.0	1714.53	2.1	1717.75	3.0	1714.05	0.53	1722.40	1.8	1722.37
01/24/22	0.21	1721.24	0.93	1721.08	4.3	1722.56	6.2	1721.78	0.90	1720.72	1.0	1714.57	2.1	1717.71	3.0	1713.96	0.52	1722.41	1.8	1722.37
01/25/22	0.21	1721.22	0.93	1721.07	4.3	1722.54	6.2	1721.70	0.90	1720.71	0.99	1714.64	2.1	1717.66	3.0	1713.59	0.52	1722.40	1.8	1722.36
01/26/22	0.21	1721.19	0.93	1721.04	4.3	1722.52	6.2	1721.59	0.90	1720.69	0.99	1714.64	2.1	1717.62	2.9	1713.58	0.52	1722.38	1.8	1722.34
01/27/22	0.21	1721.17	0.93	1721.02	4.3	1722.51	6.2	1721.52	0.90	1720.67	0.99	1714.63	2.1	1717.57	2.9	1713.36	0.51	1722.36	1.8	1722.33
01/28/22	0.21	1721.16	0.92	1721.01	4.3	1722.50	6.2	1721.53	0.90	1720.67	0.97	1714.81	2.1	1717.54	2.9	1713.30	0.51	1722.36	1.8	1722.32
01/29/22	0.21	1721.15	0.92	1721.01	4.3	1722.51	6.2	1721.64	0.90	1720.69	0.96	1714.88	2.1	1717.52	2.8	1713.26	0.50	1722.36	1.7	1722.32
01/30/22	0.21	1721.13	0.92	1720.99	4.3	1722.50	6.2	1721.58	0.90	1720.68	0.96	1715.04	2.1	1717.48	2.8	1713.22	0.50	1722.35	1.7	1722.32
01/31/22	0.21	1721.12	0.92	1721.00	4.3	1722.50	6.2	1721.55	0.90	1720.68	0.95	1715.37	2.1	1717.45	2.8	1713.19	0.50	1722.35	1.7	1722.29
Monthly Average	0.21	1721.41	0.9	1721.16	4.3	1722.62	6.2	1721.85	0.90	1720.74	1.1	1714.51	2.1	1718.14	3.2	1715.60	0.50	1722.50	1.8	1722.46
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	640	1/12/2022	720	1/12/2022	520	1/17/2022	220	1/17/2022	270	1/17/2022	250	1/12/2022	560	1/11/2022	430	1/11/2022	490	1/12/2022	560	1/12/2022
Hexavalent Chromium	14	1/12/2022	13	1/12/2022	6.3	1/17/2022	3.4	1/17/2022	2.5	1/17/2022	1.2	1/12/2022	5.1	1/11/2022	6.2	1/11/2022	8.4	1/12/2022	9.9	1/12/2022
Total Chromium	14	1/12/2022	12	1/12/2022	6.5	1/17/2022	3.4	1/17/2022	2.5	1/17/2022	1.2	1/12/2022	4.8	1/11/2022	5.6	1/11/2022	9.0	1/12/2022	11	1/12/2022

Notes:

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

1: Analytical results are reported from Eurofins TestAmerica.

4: On 01/03, I-L, I-P, I-R, I-S, and I-U 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-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[4,5] (gpm)	Water Elevation (ft amsl)	Flow[4] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow[4] (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
01/01/22	0.32	1717.66	1.1	1715.08	1.9	1712.30	0.48	1717.64	0.50	1717.77	4.4	1721.70	0.71	1722.92	3.7	1714.79	1.5	1700.13	8.9	1712.82
01/02/22	0.32	1717.61	1.1	1714.93	1.9	1712.00	0.48	1717.61	0.49	1717.79	4.4	1721.66	0.71	1722.88	3.7	1714.70	1.5	1699.83	8.9	1712.86
01/03/22	0.31	1717.59	1.2	1713.63	2.0	1709.74	0.48	1717.61	0.61	1716.05	4.4	1721.65	0.71	1722.86	3.7	1714.61	1.5	1699.75	8.9	1712.87
01/04/22	0.31	1717.55	1.3	1712.95	2.0	1707.59	0.48	1717.52	0.68	1714.83	4.4	1721.62	0.71	1722.82	3.7	1714.51	1.4	1700.21	8.9	1712.75
01/05/22	0.31	1717.54	1.3	1713.10	2.0	1707.24	0.48	1717.49	0.65	1715.27	4.4	1721.60	0.71	1722.79	3.7	1714.39	1.4	1700.10	8.9	1712.71
01/06/22	0.31	1717.49	1.2	1713.27	2.0	1706.92	0.47	1717.58	0.61	1715.93	4.4	1721.59	0.72	1722.78	3.7	1714.27	1.4	1700.20	8.9	1712.68
01/07/22	0.30	1717.51	1.2	1713.53	2.0	1706.69	0.47	1717.58	0.61	1715.85	4.4	1721.59	0.72	1722.77	3.7	1714.16	1.4	1700.15	8.9	1712.68
01/08/22	0.28	1717.56	1.2	1713.39	2.0	1706.65	0.47	1717.50	0.61	1715.78	4.4	1721.54	0.72	1722.73	3.7	1714.03	1.4	1700.08	8.9	1712.44
01/09/22	0.28	1717.54	1.2	1713.35	2.0	1706.64	0.47	1717.40	0.59	1715.95	4.4	1721.48	0.72	1722.67	3.7	1713.90	1.4	1699.90	8.9	1712.27
01/10/22	0.26	1717.58	1.2	1713.47	2.0	1706.64	0.47	1717.36	0.58	1716.11	4.4	1721.46	0.71	1722.66	3.7	1713.77	1.4	1700.10	8.9	1712.39
01/11/22	0.26	1717.56	1.2	1713.35	2.0	1706.64	0.47	1717.33	0.59	1716.13	4.4	1721.45	0.70	1722.65	3.7	1713.64	1.4	1700.23	8.9	1712.37
01/12/22	0.27	1717.50	1.2	1713.05	2.0	1706.64	0.47	1717.30	0.58	1716.22	4.4	1721.43	0.71	1722.63	3.7	1713.51	1.4	1700.08	8.9	1712.31
01/13/22	0.27	1717.46	1.2	1713.06	2.0	1706.64	0.46	1717.29	0.56	1716.63	4.4	1721.43	0.73	1722.60	3.7	1713.33	1.4	1700.04	8.9	1712.27
01/14/22	0.26	1717.43	1.2	1713.24	1.9	1706.64	0.46	1717.25	0.55	1716.65	4.4	1721.41	0.73	1722.57	3.7	1713.13	1.4	1700.12	8.9	1712.11
01/15/22	0.27	1717.37	1.2	1712.85	1.9	1706.64	0.46	1717.26	0.53	1716.76	4.4	1721.38	0.74	1722.54	3.7	1712.91	1.4	1701.01	8.9	1712.03
01/16/22	0.27	1717.33	1.2	1713.60	1.9	1706.63	0.46	1717.26	0.53	1716.85	4.4	1721.38	0.74	1722.54	3.6	1712.66	1.4	1702.48	8.9	1712.01
01/17/22	0.27	1717.29	1.2	1713.39	1.9	1706.63	0.45	1717.30	0.53	1716.84	4.4	1721.38	0.73	1722.55	3.6	1712.33	1.4	1700.45	8.9	1711.96
01/18/22	0.26	1717.27	1.1	1713.92	1.9	1706.63	0.45	1717.32	0.54	1716.69	4.4	1721.36	0.72	1722.55	3.6	1711.85	1.4	1700.56	8.9	1711.86
01/19/22	0.26	1717.22	1.0	1714.92	1.9	1706.64	0.45	1717.30	0.56	1716.46	4.4	1721.34	0.72	1722.52	3.6	1711.14	1.2	1701.09	8.9	1711.73
01/20/22	0.26	1717.19	1.0	1714.95	1.9	1706.64	0.44	1717.33	0.55	1716.43	4.4	1721.31	0.72	1722.50	3.6	1709.89	1.4	1701.68	8.9	1711.64
01/21/22	0.26	1717.17	1.0	1714.99	1.9	1706.63	0.44	1717.32	0.56	1716.37	4.4	1721.31	0.72	1722.49	3.6	1708.64	1.4	1701.28	8.9	1711.65
01/22/22	0.25	1717.18	1.0	1715.10	1.9	1706.64	0.44	1717.28	0.56	1716.39	4.4	1721.28	0.73	1722.46	3.6	1707.44	1.4	1701.17	8.9	1711.47
01/23/22	0.25	1717.14	1.0	1715.15	1.9	1706.64	0.44	1717.24	0.55	1716.56	4.4	1721.26	0.73	1722.41	3.6	1706.06	1.4	1700.35	8.9	1711.38
01/24/22	0.24	1717.13	1.0	1715.10	1.9	1706.64	0.44	1717.30	0.54	1716.65	4.4	1721.26	0.73	1722.40	3.6	1704.80	1.4	1700.18	8.9	1711.44
01/25/22	0.24	1717.11	0.98	1715.27	1.9	1706.63	0.43	1717.30	0.54	1716.57	4.4	1721.24	0.73	1722.38	3.6	1703.06	1.4	1700.06	8.8	1711.28
01/26/22	0.25	1717.05	1.0	1715.11	1.9	1706.63	0.43	1717.27	0.53	1716.51	4.4	1721.21	0.72	1722.34	3.6	1701.12	1.4	1700.25	8.8	1711.07
01/27/22	0.22	1717.17	1.0	1715.09	1.9	1706.64	0.43	1717.23	0.54	1716.42	4.4	1721.18	0.71	1722.35	3.5	1699.44	1.4	1700.13	8.8	1710.91
01/28/22	0.19	1717.30	1.0	1714.97	1.9	1706.64	0.43	1717.19	0.54	1716.41	4.4	1721.17	0.72	1722.29	3.5	1698.30	1.4	1699.74	8.8	1711.04
01/29/22	0.19	1717.29	1.0	1714.98	1.9	1706.64	0.43	1717.14	0.53	1716.53	4.4	1721.18	0.72	1722.29	3.5	1698.31	1.4	1699.93	8.8	1711.06
01/30/22	0.19	1717.28	0.56	1717.50	1.9	1706.69	0.43	1717.13	0.53	1716.69	4.4	1721.16	0.71	1722.29	3.4	1698.32	1.4	1700.33	8.8	1710.73
01/31/22	0.19	1717.27	0.66	1717.92	1.9	1707.14	0.43	1717.12	0.52	1716.67	4.4	1721.16	0.68	1722.36	3.4	1698.31	1.5	1700.25	8.8	1710.64
Monthly Average	0.26	1717.37	1.1	1714.33	1.9	1707.17	0.45	1717.35	0.56	1716.41	4.4	1721.39	0.72	1722.57	3.6	1709.40	1.4	1700.38	8.9	1711.92
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	600	1/12/2022	620	1/12/2022	430	1/12/2022	910	1/12/2022	760	1/12/2022	610	1/17/2022	620	1/12/2022	600	1/11/2022	380	1/12/2022	240	1/17/2022
Hexavalent Chromium	14	1/12/2022	0.79	1/12/2022	1.4	1/12/2022	23	1/12/2022	14	1/12/2022	6.8	1/17/2022	9.1	1/12/2022	8.4	1/11/2022	1.1	1/12/2022	5.8	1/17/2022
Total Chromium	13	1/12/2022	0.81	1/12/2022	1.5	1/12/2022	14	1/12/2022	14	1/12/2022	6.6	1/17/2022	9.6	1/12/2022	8.7	1/11/2022	1.2	1/12/2022	5.4	1/17/2022

Notes:

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

1: Analytical results are reported from Eurofins TestAmerica.

4: On 01/03, I-L, I-P, I-R, I-S, and I-U adjusted to meet flow targets as directed by the Trust.

5: On 01/30 and 01/31, I-R offline intermittently due to maintenance.

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[3] (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO_4 (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)	TA - Cr (VI) (mg/L)
01/01/22	936	58				0.0				994	55	52				
01/02/22	951	57				0.0				1,009		54				
01/03/22	903	58				0.0				1,005		53		10	0.30	0.30
01/04/22	883	57				0.0				993		57				
01/05/22	860	59	0.63	ND	430	0.0				936		59				
01/06/22	874	56				0.0				937		58				
01/07/22	882	58				0.0				972		59				
01/08/22	883	58				0.0				1,069	48	59				
01/09/22	883	57				0.0				1,047		58				
01/10/22	831	57				0.0				981		60		11	0.021 B	0.013
01/11/22	867	58				0.0				979		61				
01/12/22	862	58	0.13	ND	410	6.7	0.071	0.0079	51	1,002		59				
01/13/22	885	58				0.0				958		59	120			
01/14/22	885	58				0.0				981		60				
01/15/22	886	58				0.0				952	69	55				
01/16/22	886	58				0.0				965		56				
01/17/22	871	58				0.0				1,006		53		9.2	0.036	0.023
01/18/22	875	58				0.0				993		56				
01/19/22	782	58	0.20	ND	480	0.0				1,029		52				
01/20/22	896	57				0.0				1,019		57				
01/21/22	895	57				0.0				960		56				
01/22/22	896	58				0.0				956	59	58				
01/23/22	897	57				0.0				978		51				
01/24/22	899	58				0.0				985		51		11	0.024 B	0.026
01/25/22	891	58				0.0				1,056		51				
01/26/22	900	57	0.089 B	ND	470	0.0				1,017		50				
01/27/22	892	58				0.0				1,021		52				
01/28/22	898	57				0.0				983		52				
01/29/22	899	58				0.0				983	56	55				
01/30/22	900	57				0.0				984		50				
01/31/22	901	57				v				984		49		13	0.031	0.026
Monthly Average[2]	885	58	0.26	ND	448	0.22	0.071	0.0079	51	992	58	55	120	11	0.061	0.056

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.

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).

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

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

3: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 01/01 to 01/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.

4: From 01/01 to 01/31, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

Date	1st Stage FBR[4]			2nd Stage FBR[4]			FBR Plant Effluent							
	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)	TA - Cr (VI) (mg/L)	TA - NO_3 - N (mg/L)	ETI - Turbidity (NTU)
01/01/22	1,065	6.5	-400	999	6.2	-366	1,035	ND	ND					52
01/02/22	1,091	6.3	-417	1,006	6.2	-367	1,041		ND					54
01/03/22	1,034	6.4	-410	956	6.1	-362	1,060		ND		0.010	ND	0.055	53
01/04/22	1,054	6.4	-370	837	6.0	-358	1,030		ND					57
01/05/22	1,033	6.2	-293	995	6.1	-304	1,015		ND					59
01/06/22	1,049	6.2	-329	811	6.1	-314	1,010		ND					58
01/07/22	1,059	6.4	-325	781	6.2	-369	1,028		ND					59
01/08/22	1,092	6.4	-340	908	6.0	-376	940	ND	ND					59
01/09/22	1,038	6.5	-342	981	6.0	-380	1,066		ND					58
01/10/22	1,052	6.4	-349	1,009	6.0	-384	1,030		ND		0.0039 J,B	ND	0.033	60
01/11/22	1,015	6.3	-352	814	5.9	-395	1,022		ND					61
01/12/22	1,053	6.4	-371	1,049	6.0	-366	998		ND					59
01/13/22	1,021	6.4	-367	471	5.9	-393	998		ND	0.027 J				59
01/14/22	1,019	6.4	-358	1,020	6.0	-409	1,006		ND					60
01/15/22	1,011	6.4	-335	872	5.9	-410	1,004	0.00065 J	ND					55
01/16/22	1,054	6.4	-373	1,004	5.9	-412	1,013		ND					56
01/17/22	1,046	6.4	-354	867	6.0	-411	1,047		ND		0.0052 J	ND	0.050	53
01/18/22	1,062	6.4	-352	956	5.9	-383	1,034		ND					56
01/19/22	1,056	6.4	-361	969	5.6	-404	1,034		ND					52
01/20/22	1,030	6.4	-382	935	5.5	-413	1,048		ND					57
01/21/22	1,031	6.4	-383	999	5.6	-415	1,011		ND					56
01/22/22	1,046	6.4	-384	895	5.6	-410	1,003	ND	ND					58
01/23/22	1,043	6.4	-367	987	5.6	-416	1,027		ND					51
01/24/22	1,032	6.5	-399	780	5.6	-422	1,020		ND		0.0037 J,B	ND	0.035 J	51
01/25/22	1,057	6.5	-403	928	5.6	-418	1,026		ND					51
01/26/22	1,048	6.5	-406	914	5.6	-416	1,029		ND					50
01/27/22	1,049	6.2	-384	978	5.9	-398	1,046		ND					52
01/28/22	1,036	6.2	-395	953	5.9	-409	1,022		ND					52
01/29/22	1,051	6.4	-367	882	5.7	-412	1,014	0.00075 J	ND					55
01/30/22	1,037	6.3	-368	970	5.7	-417	1,027		ND					50
01/31/22	1,044	6.3	-391	935	5.7	-415	1,022		ND		0.0054 J	ND	0.13	49
Monthly Average[2]	1,045	6.4	-369	918	5.9	-391	1,023	0.00029	ND	0.027	0.0055	ND	0.054	55

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).

B = Compound was found in the blank and sample.

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.

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)
01/15/22	29.5	37.2
01/31/22	29.9	36.8

GW-11 Leak Detection Monitoring				
Date	Amount Pumped[2] (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
1/12/2022	0	0	469	0
1/26/2022	0	0	643	0

GW-11 Composite Sample[3]		
Analytes	Concentration	Units
Perchlorate	1.40	mg/L
Chlorate	3.7	mg/L
Ammonia as N	0.088	mg/L
Total Phosphorus	0.71	mg/L
Total Dissolved Solids (TDS)	11,000 D	mg/L
Total Suspended Solids (TSS)	71	mg/L
pH	8.5 HF	s.u.
Calcium	570 B	mg/L
Iron	0.30	mg/L
Chromium (total)	0.042	mg/L
Chromium VI	ND	mg/L
Chloride	5,100	mg/L
Nitrate as N	0.41	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.

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: 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: November 16, 2021.

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)		
Feb 2021	1,023	61	8.3	110	457	465
March 2021	1,012	56	7.1	120	447	467
April 2021	1,027	55	6.1	110	420	460
May 2021	1,031	58	8.5	120	476	456
June 2021	1,027	58	8.1	120	470	454
July 2021	1,043	62	8.1	120	487	460
Aug 2021	1,063	62	8.6	120	502	467
Sep 2021	954	62	11	130	492	475
Oct 2021	924	66	11	120	464	473
Nov 2021	879	49	10	120	406	471
Dec 2021	934	42	10	110	391	457
Jan 2022	992	58	11	120	481	456

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 (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)
01/01/22[2]	2.4	1709.71	0.74	1711.19	0.87	1710.01	1.0	1716.16	1.1	1717.02	1.2	1716.08	1.2	1715.37	0.33	1716.04
01/02/22[2]	2.4	1710.26	0.76	1711.61	0.88	1710.04	0.73	1715.37	0.73	1716.34	0.75	1716.50	0.84	1716.06	0.22	1715.37
01/03/22[2]	2.3	1710.68	0.83	1711.46	0.89	1710.34	0.90	1715.77	1.1	1715.67	0.79	1717.05	1.2	1716.46	0.25	1713.77
01/04/22	2.3	1709.91	0.82	1711.25	0.88	1710.91	0.98	1718.12	1.1	1717.67	0.85	1721.55	1.3	1717.11	0.19	1715.02
01/05/22[2]	2.2	1710.13	0.81	1710.16	0.87	1712.41	1.3	1712.64	1.0	1715.34	1.6	1712.73	1.2	1716.50	0.40	1715.61
01/06/22	2.2	1710.08	0.82	1710.11	0.89	1712.67	1.2	1712.90	1.0	1715.47	1.2	1713.04	1.2	1715.75	0.37	1715.76
01/07/22[2]	2.3	1714.28	0.84	1714.31	0.89	1711.54	1.0	1714.26	0.81	1719.15	1.0	1717.93	0.97	1723.01	0.24	1723.02
01/08/22	2.3	1711.62	0.83	1711.65	0.86	1711.77	1.2	1712.74	1.1	1716.17	1.3	1715.85	1.2	1715.73	0.40	1715.74
01/09/22[2]	2.3	1711.26	0.81	1711.29	0.87	1711.51	1.2	1713.47	1.0	1716.87	1.3	1713.93	1.2	1716.36	0.37	1716.37
01/10/22	2.4	1709.46	0.83	1709.49	0.88	1711.57	1.2	1714.03	1.0	1716.72	1.3	1714.70	1.2	1715.17	0.36	1715.18
01/11/22[2]	2.3	1710.31	0.85	1710.34	0.73	1711.43	1.1	1713.81	0.88	1716.52	1.2	1714.34	1.1	1715.49	0.26	1715.50
01/12/22	2.0	1711.87	0.84	1712.54	0.77	1711.13	1.2	1714.41	0.98	1717.10	1.2	1714.53	1.2	1716.41	0.35	1715.72
01/13/22	2.6	1711.94	0.96	1712.11	0.73	1711.42	1.1	1714.65	0.87	1717.77	1.5	1714.89	1.1	1716.42	0.30	1715.50
01/14/22	2.3	1711.90	0.90	1710.98	0.75	1711.47	1.1	1714.47	0.98	1716.80	1.3	1714.44	1.2	1716.76	0.34	1715.61
01/15/22	2.3	1712.53	0.88	1709.79	0.75	1710.47	1.1	1714.83	0.98	1717.31	1.3	1714.83	1.2	1716.36	0.33	1716.20
01/16/22[2]	2.3	1711.54	0.88	1709.54	0.75	1710.53	1.1	1713.97	0.94	1717.56	1.3	1716.06	1.1	1717.16	0.30	1717.93
01/17/22	2.3	1711.49	0.88	1709.51	0.68	1710.47	1.2	1713.20	0.97	1717.00	1.3	1715.16	1.1	1716.00	0.29	1716.74
01/18/22[2]	2.3	1711.41	0.89	1709.59	0.81	1710.42	1.1	1712.55	0.94	1716.79	1.3	1715.17	1.1	1716.31	0.29	1716.60
01/19/22	2.3	1712.08	0.91	1709.31	0.74	1710.42	1.3	1712.75	0.96	1716.62	1.4	1713.66	1.2	1715.95	0.31	1717.00
01/20/22[2]	2.4	1712.52	0.81	1711.18	0.75	1710.34	0.95	1714.63	0.77	1717.52	1.0	1717.60	0.94	1716.73	0.20	1722.99
01/21/22	2.3	1712.10	0.79	1709.84	0.75	1710.31	1.2	1711.88	1.0	1716.76	1.4	1715.61	1.2	1715.41	0.27	1715.65
01/22/22	2.3	1712.03	0.82	1709.77	0.73	1710.81	1.2	1713.08	0.99	1717.06	1.3	1715.55	1.2	1715.34	0.32	1715.00
01/23/22	2.3	1712.85	0.78	1711.42	0.72	1710.63	1.2	1713.34	1.0	1717.39	1.4	1715.81	1.2	1716.74	0.33	1716.65
01/24/22[2]	2.3	1712.34	0.80	1711.28	0.73	1710.70	1.2	1713.27	0.98	1717.31	1.4	1715.75	1.2	1716.30	0.35	1716.56
01/25/22[2]	2.3	1711.93	0.79	1710.96	0.72	1710.57	1.2	1713.31	0.96	1717.20	1.3	1715.98	1.2	1716.48	0.15	1716.70
01/26/22	2.3	1712.16	0.79	1710.68	0.73	1711.01	1.2	1713.11	0.97	1716.70	1.4	1714.70	1.2	1716.28	0.00	1715.03
01/27/22	2.3	1712.21	0.80	1711.31	0.73	1710.03	1.2	1712.40	0.97	1716.58	1.4	1714.37	1.2	1716.20	0.50	1709.70
01/28/22[2]	2.3	1711.29	0.81	1711.28	0.75	1710.15	1.2	1712.91	0.96	1714.84	1.3	1715.81	1.1	1714.29	0.49	1709.95
01/29/22	1.8	1711.84	0.75	1711.35	0.73	1710.90	1.2	1712.87	0.98	1715.42	1.3	1715.17	1.2	1716.38	0.28	1713.70
01/30/22	2.2	1712.97	0.78	1711.35	0.74	1710.63	1.2	1713.24	1.0	1717.49	1.4	1715.18	1.2	1716.77	0.24	1718.15
01/31/22	2.2	1712.33	0.82	1711.21	0.73	1710.77	1.2	1712.62	0.98	1716.73	1.4	1714.55	1.1	1716.07	0.34	1715.24
Monthly Average	2.3	1711.58	0.83	1710.90	0.78	1710.89	1.1	1713.76	0.97	1716.81	1.3	1715.44	1.1	1716.37	0.30	1715.93
Analytical[1]	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc[5] (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	550	1/10/2022	950	1/10/2022	400	1/10/2022	90	1/10/2022	370	1/10/2022	895	1/10/2022	840	1/10/2022	1,200	1/10/2022
Hexavalent Chromium	0.083	1/10/2022	0.48	1/10/2022	0.60	1/10/2022	0.029	1/10/2022	0.028	1/10/2022	0.080	1/10/2022	0.081	1/10/2022	0.19	1/10/2022
Total Chromium	0.096 B	1/10/2022	0.46 B	1/10/2022	0.67	1/10/2022	0.031 B	1/10/2022	0.037 B	1/10/2022	0.081 B	1/10/2022	0.081 B	1/10/2022	0.20 B	1/10/2022

Notes:

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

B = Compound was found in the blank and sample.

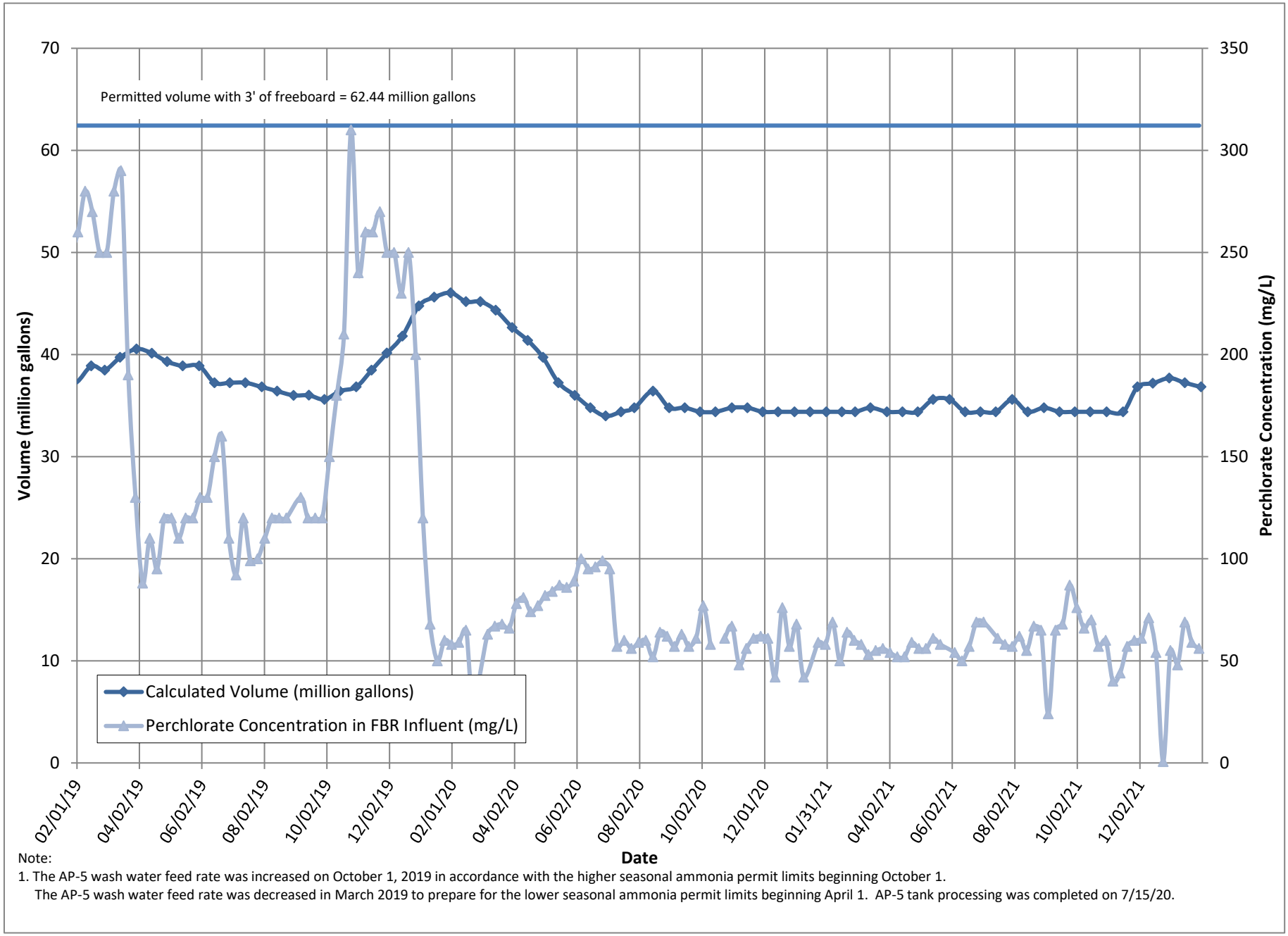
The flow rate at individual wells is adjusted daily to maintain the water level in the wells above the pump.

1: Analytical results are reported from Eurofins TestAmerica.

2: On 01/01, 01/02, 01/03, 01/05, 01/07, 01/09, 01/11, 01/16, 01/18, 01/20, 01/24, 01/25, and 01/28 AP Area wells offline briefly due to maintenance.

3: Duplicates taken on 01/10 for well E2-3; average of both values is presented and used for calculations.

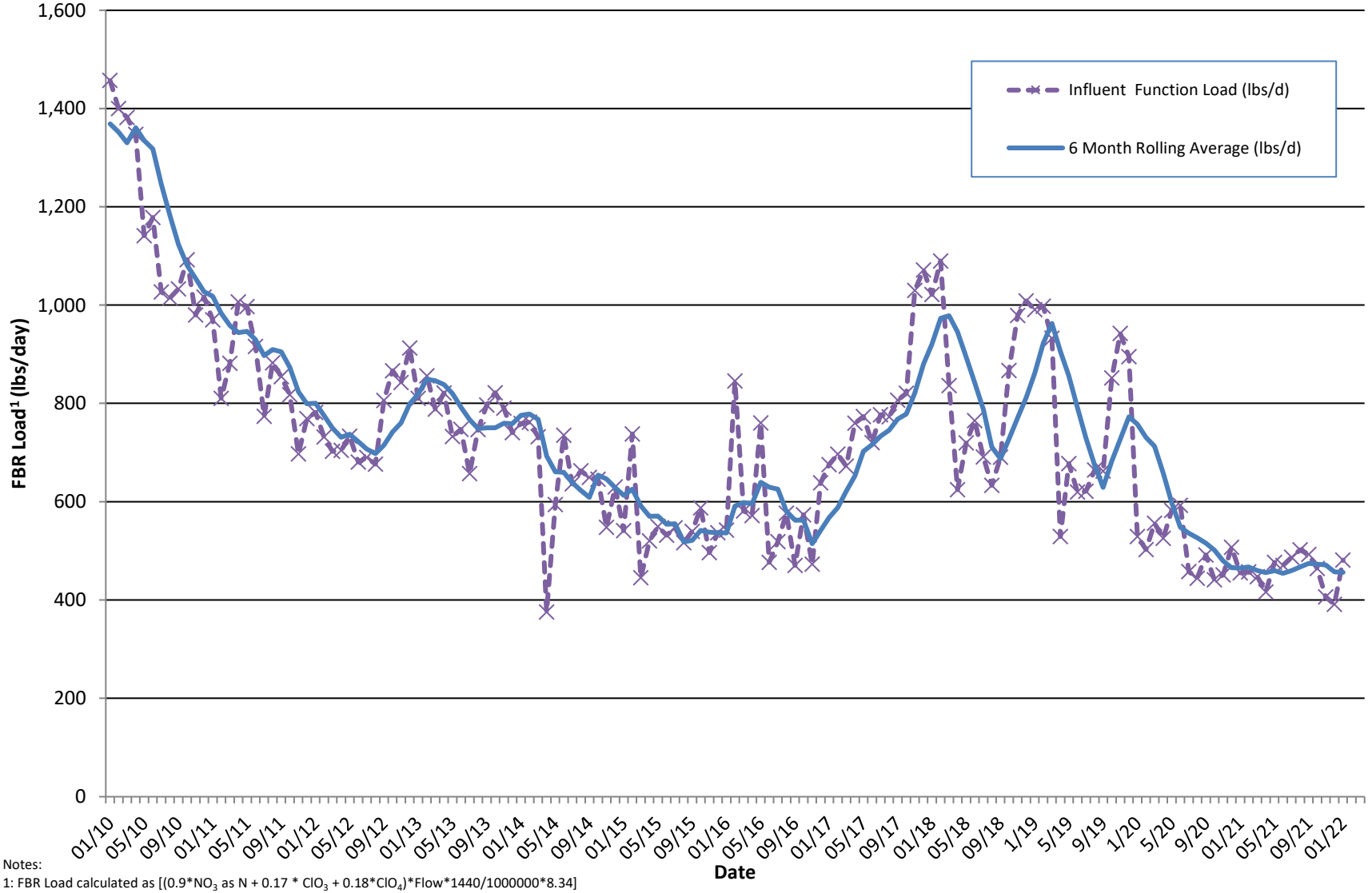
Figure 1 - GW-11 Pond Volume and FBR Influent Perchlorate Concentration



Note:
1. The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1.
The AP-5 wash water feed rate was decreased in March 2019 to prepare for the lower seasonal ammonia permit limits beginning April 1. AP-5 tank processing was completed on 7/15/20.

Figure Updated: 2/10/2022

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 7/15/20.

Figure Updated: 2/10/2022