

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																			
Date	LS #1 Flow (gpm)	PC-116R (East Well)		PC-99R2/R3 (Center Well)		PC-115R (West Well)		PC-117		PC-118		PC-119		PC-120		PC-121		PC-133	
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation ⁴ (ft amsl)
04/01/22	483	130	1541.87	85	1543.55	115	1546.03	92	1538.32	74	1549.17	110	1551.00	115	1550.17	35	1552.63	11	< 1520.00
04/02/22	483	130	1541.86	85	1543.50	115	1546.01	92	1538.31	74	1549.15	110	1550.97	115	1550.14	35	1552.60	11	< 1520.00
04/03/22	483	130	1541.84	85	1543.39	115	1545.98	92	1538.29	74	1549.14	110	1550.94	115	1550.12	35	1552.57	11	< 1520.00
04/04/22	482	130	1541.80	85	1543.34	115	1545.95	92	1538.26	74	1549.12	110	1550.91	115	1550.08	35	1552.53	11	< 1520.00
04/05/22	496	130	1541.77	85	1543.28	115	1545.90	92	1538.22	73	1549.09	110	1550.86	114	1550.03	35	1552.49	11	< 1520.00
04/06/22	493	130	1541.73	85	1543.25	115	1545.84	92	1538.17	73	1549.04	109	1550.80	114	1549.97	35	1552.42	11	< 1520.00
04/07/22	480	130	1541.71	85	1543.21	115	1545.81	92	1538.15	73	1549.03	109	1550.77	114	1549.94	35	1552.39	11	< 1520.00
04/08/22	479	130	1541.68	85	1543.17	115	1545.78	92	1538.13	73	1549.02	110	1550.75	114	1549.92	35	1552.37	11	< 1520.00
04/09/22	477	130	1541.64	85	1543.11	115	1545.76	92	1538.11	73	1549.01	110	1550.73	114	1549.89	35	1552.35	11	< 1520.00
04/10/22	477	130	1541.59	85	1543.07	115	1545.70	92	1538.06	73	1548.97	109	1550.67	114	1549.84	35	1552.29	11	< 1520.00
04/11/22	478	130	1541.56	85	1542.99	115	1545.67	92	1538.04	73	1548.96	109	1550.64	114	1549.81	35	1552.26	10	< 1520.00
04/12/22	478	130	1541.51	85	1542.90	115	1545.60	91	1537.97	72	1548.90	109	1550.56	114	1549.73	34	1552.18	10	< 1520.00
04/13/22	478	130	1541.48	85	1542.86	115	1545.56	92	1537.94	72	1548.88	109	1550.53	114	1549.70	34	1552.14	10	< 1520.00
04/14/22	479	130	1541.45	85	1542.79	115	1545.53	92	1537.92	72	1548.87	109	1550.50	114	1549.67	34	1552.12	10	< 1520.00
04/15/22	478	130	1541.40	85	1542.74	115	1545.48	92	1537.88	72	1548.84	109	1550.46	114	1549.63	34	1552.07	10	< 1520.00
04/16/22	477	130	1541.35	85	1542.66	115	1545.43	92	1537.83	72	1548.81	109	1550.41	114	1549.58	34	1552.02	10	< 1520.00
04/17/22	493	130	1541.30	85	1542.54	115	1545.38	92	1537.78	72	1548.78	109	1550.36	114	1549.53	34	1551.98	10	< 1520.00
04/18/22	484	130	1541.27	85	1542.33	115	1545.34	92	1537.75	72	1548.76	109	1550.33	114	1549.50	34	1551.94	10	< 1520.00
04/19/22	478	130	1541.25	85	1542.29	115	1545.36	92	1537.75	72	1548.81	109	1550.41	91	1550.28	30	1552.20	10	< 1520.00
04/20/22	478	130	1541.29	85	1542.33	115	1545.42	92	1537.78	72	1548.90	109	1550.54	65	1551.18	25	1552.54	10	< 1520.00
04/21/22	477	130	1541.28	85	1542.30	115	1545.41	92	1537.77	72	1548.90	109	1550.53	65	1551.16	25	1552.52	10	< 1520.00
04/22/22	478	130	1541.26	85	1542.23	115	1545.38	91	1537.75	72	1548.89	109	1550.50	65	1551.14	25	1552.50	10	< 1520.00
04/23/22	477	130	1541.25	85	1542.18	115	1545.35	91	1537.72	72	1548.88	109	1550.47	65	1551.11	25	1552.47	10	< 1520.00
04/24/22	477	130	1541.22	85	1542.15	115	1545.32	91	1537.70	72	1548.87	109	1550.45	65	1551.09	25	1552.44	10	< 1520.00
04/25/22	477	130	1541.20	85	1542.13	115	1545.30	91	1537.68	71	1548.87	109	1550.43	65	1551.07	25	1552.42	10	< 1520.00
04/26/22	477	130	1541.17	85	1542.07	115	1545.28	91	1537.67	71	1548.87	109	1550.41	65	1551.05	25	1552.41	10	< 1520.00
04/27/22	477	130	1541.13	85	1541.98	115	1545.25	92	1537.64	71	1548.86	109	1550.38	65	1551.02	25	1552.37	10	< 1520.00
04/28/22	477	130	1541.09	85	1541.83	115	1545.21	91	1537.60	71	1548.85	109	1550.35	65	1550.98	25	1552.34	10	< 1520.00
04/29/22	477	129	1541.06	85	1541.78	115	1545.16	91	1537.56	71	1548.82	109	1550.30	65	1550.94	25	1552.29	10	< 1520.00
04/30/22	477	129	1541.04	85	1541.74	115	1545.14	91	1537.54	71	1548.82	109	1550.28	65	1550.92	25	1552.27	10	< 1520.00
Monthly Average	480	130	1541.43	85	1542.66	115	1545.54	92	1537.91	72	1548.93	109	1550.57	95	1550.31	31	1552.34	10	< 1520.00
Analytical		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		4.4	4/12/2022	3.4	4/12/2022	2.1	4/12/2022	4.1	4/13/2022	2.6	4/12/2022	1.6	4/13/2022	4.6	4/12/2022	1.6	4/13/2022	6.9	4/13/2022
Hexavalent Chromium		0.0018	4/12/2022	ND	4/12/2022	ND	4/12/2022	0.0018	4/13/2022	ND	4/12/2022	ND	4/13/2022	0.0018	4/12/2022	ND	4/13/2022	ND	4/13/2022
Total Chromium		ND	4/12/2022	ND	4/12/2022	ND	4/12/2022	ND	4/13/2022	ND	4/12/2022	ND	4/13/2022	ND	4/12/2022	ND	4/13/2022	ND	4/13/2022

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).
 1: Analytical results are reported from Eurofins TestAmerica.
 2: Duplicates taken on 04/13 for well PC-119; average of both values is presented and used for calculations.
 3: On 04/19, PC-120 and PC-121 flows reduced to reduce load on IX system.
 4: A "<" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.

Table 2 - Athens Well Field (AWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																	
Date	LS #3 Flow (gpm)	ART-1/1A		ART-2/2A		ART-3/3A		ART-4/4A		ART-9		ART-7A/7B		ART-8/8A		PC-150	
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)
04/01/22	429	42	1586.11	143	1586.46	27	1584.85	5.3	1578.82	77	1576.91	22	1585.58	172	1583.48	1.5	1579.54
04/02/22	429	42	1586.10	143	1586.45	27	1584.84	5.3	1578.82	77	1576.89	22	1585.60	172	1583.47	1.5	1579.54
04/03/22	428	42	1586.09	143	1586.44	27	1584.83	5.3	1578.82	77	1576.89	22	1585.53	172	1583.46	1.5	1579.54
04/04/22	428	42	1586.07	143	1586.42	27	1584.82	5.3	1578.82	77	1576.87	22	1585.51	172	1583.45	1.5	1579.54
04/05/22	428	42	1586.05	143	1586.40	27	1584.80	5.3	1578.82	77	1576.87	22	1585.54	172	1583.43	1.5	1579.54
04/06/22	426	41	1584.66	143	1586.36	27	1584.77	5.3	1578.82	76	1576.85	22	1585.87	172	1583.40	1.5	1579.50
04/07/22	425	38	1582.16	143	1586.39	27	1584.79	5.3	1578.82	76	1576.84	22	1585.88	172	1583.42	1.5	1579.51
04/08/22	427	42	1586.01	143	1586.36	27	1584.78	5.3	1578.82	76	1576.84	22	1585.66	172	1583.40	1.5	1579.51
04/09/22	427	42	1586.03	143	1586.35	27	1584.77	5.3	1578.82	76	1576.82	22	1585.32	172	1583.40	1.5	1579.51
04/10/22	426	42	1586.01	143	1586.31	27	1584.74	5.2	1578.82	75	1576.81	22	1585.40	172	1583.37	1.5	1579.50
04/11/22	426	42	1586.00	143	1586.30	27	1584.74	5.2	1578.82	75	1576.80	22	1585.17	172	1583.36	1.5	1579.49
04/12/22	425	42	1585.96	143	1586.24	27	1584.69	5.2	1578.82	75	1576.78	22	1585.50	172	1583.31	1.5	1579.48
04/13/22	425	42	1585.94	143	1586.22	27	1584.68	5.2	1578.82	74	1576.77	21	1585.60	172	1583.30	1.5	1579.47
04/14/22	425	42	1585.94	143	1586.21	27	1584.68	5.2	1578.82	74	1576.76	21	1585.42	172	1583.29	1.5	1579.48
04/15/22	424	42	1585.91	143	1586.19	27	1584.66	5.2	1578.82	74	1576.76	21	1585.37	172	1583.27	1.5	1579.47
04/16/22	424	42	1585.89	143	1586.16	27	1584.63	5.1	1578.82	74	1576.75	22	1585.40	172	1583.25	1.5	1579.47
04/17/22	423	42	1585.87	143	1586.13	27	1584.61	5.1	1578.82	73	1576.74	21	1585.55	172	1583.22	1.5	1579.46
04/18/22	423	42	1585.85	143	1586.11	27	1584.60	5.1	1578.83	73	1576.74	21	1585.38	172	1583.21	1.5	1579.46
04/19/22	423	42	1585.84	143	1586.09	27	1584.58	5.1	1578.82	73	1576.73	21	1585.21	172	1583.19	1.5	1579.46
04/20/22	422	42	1585.81	143	1586.05	27	1584.56	5.1	1578.82	72	1576.73	21	1585.27	172	1583.17	1.5	1579.45
04/21/22	422	42	1585.79	143	1586.03	26	1584.54	5.1	1578.82	72	1576.72	21	1585.26	172	1583.15	1.5	1579.44
04/22/22	421	42	1585.76	143	1585.99	26	1584.51	5.0	1578.82	72	1576.71	21	1585.31	172	1583.11	1.5	1579.43
04/23/22	420	42	1585.72	143	1585.95	26	1584.49	5.0	1578.82	71	1576.70	21	1585.49	172	1583.09	1.5	1579.43
04/24/22	420	42	1585.70	143	1585.92	26	1584.47	5.0	1578.82	71	1576.69	21	1585.52	172	1583.06	1.5	1579.43
04/25/22	420	42	1585.68	143	1585.90	26	1584.45	5.0	1578.82	71	1576.68	21	1585.46	172	1583.04	1.5	1579.42
04/26/22	419	42	1585.67	143	1585.87	26	1584.44	5.0	1578.82	70	1576.66	21	1585.23	172	1583.03	1.5	1579.42
04/27/22	419	42	1585.64	143	1585.84	26	1584.41	4.9	1578.82	70	1576.65	21	1585.12	172	1583.00	1.5	1579.42
04/28/22	418	42	1585.61	143	1585.80	26	1584.39	4.9	1578.82	70	1576.64	21	1585.08	172	1582.97	1.5	1579.41
04/29/22	417	42	1585.57	143	1585.76	26	1584.35	4.9	1578.82	69	1576.63	21	1585.28	172	1582.94	1.5	1579.40
04/30/22	417	42	1585.56	143	1585.74	26	1584.34	4.9	1578.82	69	1576.62	21	1585.14	172	1582.92	1.5	1579.40
Monthly Average	424	42	1585.70	143	1586.15	27	1584.63	5.1	1578.82	74	1576.76	22	1585.42	172	1583.24	1.5	1579.47
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	
Perchlorate	23	4/12/2022	7.1	4/12/2022	130	4/12/2022	95	4/12/2022	120	4/12/2022	60	4/12/2022	56	4/12/2022	39	4/12/2022	
Hexavalent Chromium	ND	4/12/2022	0.0022	4/12/2022	0.25	4/12/2022	0.11	4/12/2022	0.60	4/12/2022	0.38	4/12/2022	0.055	4/12/2022	0.044	4/12/2022	
Total Chromium	ND	4/12/2022	ND	4/12/2022	0.24	4/12/2022	0.11	4/12/2022	0.59	4/12/2022	0.36	4/12/2022	0.049	4/12/2022	0.040	4/12/2022	

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (ClO² = 0.5 ug/L; ClO³ = 10 ug/L; NO³-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: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 04/01-04/30 flows and used for calculation purposes.
 Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.
 3: Duplicates taken on 04/12 for well PC-150; average of both values is presented and used for calculations.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow ^{5 6 7} (gpm)	Water Elevation (ft amsl)	Flow ^{8 9} (gpm)	Water Elevation (ft amsl)	Flow ^{8 10 11} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{7 9 10} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
04/01/22	0.10	1720.54	0.93	1707.66	0.0	1719.11	0.0	1724.41	0.34	1723.38	0.32	1712.10	6.2	1721.19	1.3	1706.68	1.1	1712.54	3.4	1708.86
04/02/22	0.10	1720.61	0.94	1707.62	0.0	1719.14	0.0	1724.39	0.34	1723.39	0.31	1712.63	6.2	1721.27	1.3	1707.95	1.1	1712.38	3.4	1708.78
04/03/22	0.096	1720.78	0.94	1707.63	0.0	1719.15	0.0	1724.38	0.34	1723.38	0.32	1712.29	6.2	1721.31	1.3	1709.00	1.1	1712.35	3.4	1708.76
04/04/22	0.095	1720.87	0.94	1707.63	0.0	1719.16	0.0	1724.38	0.34	1723.37	0.32	1711.84	6.2	1721.33	1.3	1709.98	1.1	1712.22	3.4	1708.76
04/05/22	0.10	1720.82	0.93	1707.71	0.0	1719.19	0.0	1724.34	0.34	1723.36	0.29	1713.29	4.3	1713.53	1.3	1710.47	1.1	1712.67	3.3	1708.89
04/06/22 ¹	0.10	1720.88	0.92	1707.97	0.0	1719.19	0.0	1724.31	0.34	1723.36	0.29	1714.25	3.0	1709.74	1.3	1707.71	1.1	1710.68	3.3	1709.28
04/07/22	0.11	1720.49	0.93	1707.66	0.24	1714.11	0.0	1724.31	0.36	1723.26	0.28	1714.08	3.1	1708.76	1.3	1705.63	1.2	1708.74	3.3	1708.81
04/08/22	0.12	1719.80	0.92	1707.64	0.37	1710.17	0.0	1724.32	0.36	1723.22	0.36	1709.69	3.0	1708.60	1.3	1705.61	1.2	1708.56	3.3	1708.80
04/09/22	0.095	1720.56	0.91	1707.71	0.37	1710.18	0.0	1724.35	0.36	1723.22	0.31	1709.69	3.0	1708.57	1.3	1705.61	1.2	1708.74	3.3	1708.81
04/10/22 ²	0.094	1720.88	0.91	1707.75	0.38	1710.17	0.0	1724.32	0.36	1723.22	0.22	1712.77	3.0	1708.66	1.2	1705.68	1.2	1709.17	3.3	1708.95
04/11/22	0.096	1720.95	0.91	1707.83	0.38	1710.18	0.0	1724.37	0.36	1723.24	0.19	1715.86	3.0	1708.97	1.2	1705.77	1.1	1709.34	3.3	1709.06
04/12/22	0.10	1720.88	0.91	1707.75	0.37	1710.23	0.0	1724.39	0.38	1723.09	0.22	1715.58	3.0	1708.78	1.2	1705.61	1.2	1708.63	3.2	1708.91
04/13/22 ²	0.098	1720.88	0.90	1707.99	0.38	1710.28	0.10	1716.97	0.67	1720.88	0.27	1714.86	2.6	1712.06	1.2	1705.68	1.1	1709.56	3.2	1709.02
04/14/22 ²	0.091	1720.98	0.92	1707.75	0.19	1714.39	0.073	1714.35	0.85	1719.67	0.35	1712.26	2.3	1714.63	1.2	1705.65	1.1	1710.00	3.2	1709.00
04/15/22 ²	0.088	1721.09	0.92	1708.00	0.0	1719.19	0.0	1724.33	0.50	1722.15	0.35	1711.34	2.0	1715.54	1.2	1705.79	1.1	1711.92	3.2	1709.18
04/16/22 ³	0.089	1721.12	0.92	1708.13	0.0	1719.26	0.0	1724.37	0.29	1723.51	0.26	1714.78	1.5	1716.97	1.3	1705.82	1.1	1711.97	3.2	1709.29
04/17/22	0.090	1720.93	0.94	1707.68	0.0	1719.24	0.0	1724.37	0.29	1723.53	0.29	1713.68	2.7	1712.91	1.3	1705.62	1.2	1709.36	3.2	1708.93
04/18/22	0.085	1721.09	0.93	1707.66	0.0	1719.13	0.0	1724.38	0.30	1723.49	0.29	1712.17	2.6	1712.82	1.2	1705.64	1.1	1709.28	3.2	1708.94
04/19/22	0.087	1721.18	0.93	1707.66	0.0	1719.02	0.0	1724.36	0.30	1723.51	0.38	1709.68	2.9	1710.70	1.2	1705.64	1.1	1708.87	3.2	1708.98
04/20/22	0.086	1721.12	0.92	1707.65	0.0	1718.97	0.0	1724.37	0.30	1723.49	0.37	1709.62	3.0	1708.80	1.2	1705.62	1.2	1708.59	3.2	1709.04
04/21/22	0.086	1721.09	0.92	1707.65	0.0	1718.96	0.0	1724.36	0.30	1723.49	0.38	1709.63	3.0	1708.78	1.2	1705.62	1.1	1710.04	3.2	1709.08
04/22/22	0.094	1721.03	0.92	1707.70	0.0	1718.94	0.0	1724.48	0.67	1720.33	0.39	1709.61	3.0	1708.77	1.2	1705.63	1.1	1711.79	3.1	1709.07
04/23/22	0.11	1720.48	0.92	1707.69	0.0	1718.93	0.0	1724.41	1.0	1716.98	0.39	1709.63	3.0	1708.77	1.2	1705.63	1.1	1712.39	3.1	1709.08
04/24/22	0.11	1720.26	0.92	1707.63	0.0	1718.93	0.0	1724.37	1.0	1717.30	0.39	1709.63	2.9	1708.77	1.2	1705.63	1.1	1712.51	3.1	1709.07
04/25/22	0.10	1720.26	0.92	1707.63	0.0	1718.92	0.0	1724.33	0.99	1717.46	0.37	1709.64	2.9	1708.77	1.2	1705.64	1.1	1712.53	3.1	1709.10
04/26/22	0.10	1720.26	0.92	1707.63	0.0	1718.92	0.0	1724.32	0.98	1717.76	0.38	1709.62	2.9	1708.77	1.2	1705.64	1.1	1712.41	3.1	1709.11
04/27/22	0.12	1719.90	0.92	1707.63	0.0	1718.91	0.0	1724.26	0.96	1718.08	0.33	1709.62	2.9	1708.76	1.2	1705.65	1.1	1712.38	3.1	1709.13
04/28/22	0.17	1717.55	0.91	1707.62	0.0	1718.88	0.0	1724.25	1.0	1716.99	0.31	1709.65	2.9	1708.76	1.2	1705.64	1.1	1712.75	3.1	1709.12
04/29/22	0.17	1717.01	0.91	1707.67	0.0	1718.88	0.0	1724.21	1.0	1716.52	0.39	1709.68	2.9	1708.76	1.2	1705.63	1.0	1713.59	3.1	1709.10
04/30/22	0.16	1717.19	0.92	1707.62	0.0	1718.89	0.0	1724.22	1.0	1716.91	0.35	1709.67	2.9	1708.76	1.2	1705.64	1.0	1713.69	3.1	1709.14
Monthly Average	0.11	1720.38	0.92	1707.72	0.089	1716.95	0.0	1723.77	0.56	1721.38	0.32	1711.63	3.3	1711.76	1.2	1706.25	1.1	1710.99	3.2	1709.00
Analytical ⁴	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	350	4/14/2022	28	4/14/2022	89	4/14/2022	180	4/13/2022	200	4/13/2022	240	4/14/2022	430	4/6/2022	430	4/6/2022	350	4/6/2022	560	4/6/2022
Hexavalent Chromium	0.56	4/14/2022	0.055	4/14/2022	0.046	4/14/2022	1.7	4/13/2022	1.9	4/13/2022	0.21	4/14/2022	2.2	4/6/2022	4.1	4/6/2022	5.6	4/6/2022	11	4/6/2022
Total Chromium	1.3	4/14/2022	0.045	4/14/2022	0.045	4/14/2022	1.8	4/13/2022	1.8	4/13/2022	0.85	4/14/2022	2.3	4/6/2022	4.2	4/6/2022	5.8	4/6/2022	12	4/6/2022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 04/06, 04/10, 04/13, 04/14, 04/15, and 04/16, IWF offline intermittently due to maintenance.
 3: From 04/07 to 04/14, I-AB online for sampling.
 4: From 04/13 to 04/14, I-AC online for sampling.
 5: On 04/13, I-AD adjusted to meet flow targets as directed by the Trust.
 6: On 04/22, I-AD, I-H, and I-K adjusted to meet flow targets as directed by the Trust.
 7: On 04/28, I-AD, I-E, I-H, I-J, I-K, I-M, I-O, I-P, I-R, and I-U adjusted to meet flow targets as directed by the Trust.
 8: On 04/19, I-B, I-C, I-L, I-N, I-O, I-R, I-T, I-U, and I-W adjusted to meet flow targets as directed by the Trust.
 9: On 04/06, I-B, I-E, I-L, I-R, and I-S adjusted to meet flow targets as directed by the Trust.
 10: On 04/07, I-C, I-E, and I-N adjusted to meet flow targets as directed by the Trust.
 11: On 04/16, I-C, I-O, and I-W adjusted to meet flow targets as directed by the Trust.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ^{6,7,12} (gpm)	Water Elevation (ft amsl)	Flow ^{8,9,13,14} (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ^{8,10} (gpm)	Water Elevation (ft amsl)	Flow ^{7,8,11} (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)
04/01/22	0.19	1719.35	1.2	1711.90	4.0	1722.08	6.4	1716.39	2.9	1714.80	1.1	< 1712.89	2.1	1717.00	2.4	1712.93	0.49	1721.74	1.8	1721.61
04/02/22	0.19	1719.25	1.3	1711.30	4.0	1722.07	6.4	1716.22	2.9	1714.78	1.0	< 1712.89	2.1	1717.06	2.5	1712.38	0.47	1721.73	1.8	1721.59
04/03/22	0.19	1719.17	1.2	1712.18	4.0	1722.06	6.4	1716.16	2.9	1714.77	1.0	< 1712.89	2.1	1717.16	2.5	1712.36	0.47	1721.72	1.8	1721.57
04/04/22	0.19	1719.05	1.1	1713.39	4.0	1722.05	6.4	1716.09	2.9	1714.77	1.0	< 1712.89	2.1	1717.27	2.5	1712.35	0.46	1721.71	1.8	1721.56
04/05/22	0.18	1719.09	1.1	1716.02	3.9	1722.06	6.3	1716.26	2.9	1714.88	1.0	< 1712.89	2.1	1717.43	2.5	1712.56	0.45	1721.71	1.7	1721.56
04/06/22 ¹	0.17	1719.05	1.1	1717.09	4.0	1722.07	6.2	1716.63	2.8	1715.06	1.1	< 1712.89	2.1	1717.45	2.4	1713.18	0.58	1721.67	1.7	1721.56
04/07/22	0.18	1718.86	1.2	1716.90	4.0	1722.02	6.4	1716.14	3.0	1714.17	1.2	< 1712.89	2.1	1717.19	2.5	1712.61	0.58	1721.64	1.8	1721.52
04/08/22	0.17	1718.93	1.2	1716.50	4.0	1722.02	6.4	1715.92	3.2	1712.84	1.1	< 1712.89	2.1	1717.06	2.5	1712.39	0.52	1721.65	1.8	1721.51
04/09/22	0.17	1718.93	1.1	1716.21	3.9	1722.02	6.4	1715.78	3.1	1712.86	1.1	< 1712.89	2.1	1716.94	2.4	1712.39	0.50	1721.65	1.8	1721.51
04/10/22 ²	0.17	1718.84	1.2	1715.75	4.1	1722.02	6.3	1716.00	3.1	1713.08	1.0	< 1712.89	2.1	1716.89	2.4	1712.46	0.49	1721.65	1.7	1721.45
04/11/22	0.16	1718.82	1.2	1716.08	4.1	1722.04	6.3	1716.24	3.0	1713.55	0.96	< 1712.89	2.1	1716.86	2.4	1712.47	0.47	1721.69	1.8	1721.52
04/12/22	0.16	1718.51	1.2	1715.34	4.2	1721.99	6.4	1714.97	3.0	1713.45	0.92	< 1712.89	2.1	1716.75	2.4	1712.40	0.48	1721.63	1.8	1721.45
04/13/22 ²	0.16	1718.60	1.1	1717.18	4.2	1721.99	6.2	1715.82	3.0	1713.76	0.86	< 1711.13	2.1	1716.84	2.4	1712.44	0.44	1721.63	1.7	1721.45
04/14/22 ²	0.19	1717.89	1.1	1718.86	4.1	1722.00	6.2	1716.72	2.9	1714.20	0.84	< 1711.13	2.1	1716.89	2.4	1712.43	0.41	1721.66	1.7	1721.50
04/15/22 ²	0.18	1717.86	1.0	1718.81	3.9	1722.03	6.0	1717.29	2.9	1714.31	0.72	< 1711.13	2.0	1717.15	2.4	1712.52	0.37	1721.69	1.7	1721.52
04/16/22 ²	0.18	1717.97	1.1	1718.42	3.9	1722.05	6.0	1717.50	2.8	1714.59	0.73	< 1711.13	1.9	1717.51	2.4	1712.61	0.39	1721.70	1.7	1721.54
04/17/22	0.23	1716.15	1.1	1717.89	4.0	1721.97	6.2	1716.64	2.9	1714.35	0.94	< 1711.13	1.9	1717.40	2.4	1712.40	0.53	1721.58	1.7	1721.42
04/18/22	0.23	1716.14	1.1	1717.83	3.9	1721.97	6.2	1716.61	2.9	1714.40	1.2	< 1711.13	1.9	1717.37	2.4	1712.40	0.50	1721.58	1.7	1721.41
04/19/22	0.23	1716.10	1.0	1717.75	3.9	1721.96	6.2	1716.61	2.9	1714.43	1.2	< 1711.13	1.9	1717.32	2.4	1712.41	0.63	1721.54	1.7	1721.39
04/20/22	0.23	1715.96	1.0	1717.68	4.0	1721.94	6.2	1716.52	2.9	1714.37	1.2	< 1711.13	1.9	1717.27	2.4	1712.43	0.69	1721.49	1.7	1721.35
04/21/22	0.22	1715.89	1.1	1718.05	4.0	1721.94	6.2	1716.50	2.9	1714.32	1.2	< 1711.04	1.9	1717.23	2.4	1712.44	0.66	1721.49	1.7	1721.32
04/22/22	0.22	1715.84	1.1	1718.04	4.2	1721.92	6.2	1716.43	2.9	1713.95	1.2	< 1711.04	1.9	1717.19	2.4	1712.42	0.61	1721.47	1.7	1721.29
04/23/22	0.22	1715.75	1.1	1717.92	4.1	1721.90	6.2	1716.33	3.0	1713.49	1.2	< 1711.04	1.9	1717.16	2.4	1712.41	0.59	1721.46	1.7	1721.28
04/24/22	0.22	1715.67	1.1	1717.84	4.1	1721.90	6.2	1716.29	3.0	1713.42	1.2	< 1711.04	1.9	1717.16	2.4	1712.40	0.59	1721.45	1.7	1721.27
04/25/22	0.22	1715.68	1.1	1717.78	4.0	1721.89	6.2	1716.29	3.0	1713.44	1.2	< 1711.04	1.9	1717.15	2.4	1712.40	0.58	1721.45	1.7	1721.26
04/26/22	0.21	1715.76	1.0	1717.77	4.0	1721.90	6.2	1716.27	3.0	1713.41	1.2	< 1711.04	1.9	1717.11	2.3	1712.41	0.56	1721.45	1.6	1721.27
04/27/22	0.21	1715.78	0.98	1717.94	3.9	1721.89	6.2	1716.20	3.0	1713.24	1.2	< 1711.04	1.9	1717.10	2.3	1712.41	0.55	1721.45	1.6	1721.26
04/28/22	0.21	1715.77	1.1	1714.43	4.0	1721.88	6.2	1713.84	3.1	1712.21	1.2	< 1710.98	2.1	1716.62	2.3	1712.40	0.69	1721.40	1.8	1721.19
04/29/22	0.21	1715.74	1.1	1711.79	4.0	1721.86	6.2	1712.24	3.2	1711.43	1.2	< 1710.98	2.2	1716.32	2.3	1712.41	0.72	1721.35	1.9	1721.08
04/30/22	0.21	1715.73	1.0	1711.97	3.9	1721.85	6.2	1712.24	3.2	1711.40	1.2	< 1710.98	2.2	1716.30	2.3	1712.41	0.65	1721.35	1.9	1721.04
Monthly Average	0.20	1717.40	1.1	1716.22	4.0	1721.98	6.3	1715.97	3.0	1713.79	1.1	< 1711.80	2.0	1717.07	2.4	1712.47	0.54	1721.58	1.7	1721.41
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	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	780	4/11/2022	620	4/11/2022	400	4/13/2022	190	4/13/2022	220	4/13/2022	230	4/14/2022	580	4/6/2022	420	4/6/2022	480	4/11/2022	540	4/11/2022
Hexavalent Chromium	12	4/11/2022	11	4/11/2022	6.3	4/13/2022	3.4	4/13/2022	2.5	4/13/2022	1.3	4/14/2022	5.1	4/6/2022	6.0	4/6/2022	7.8	4/11/2022	8.5	4/11/2022
Total Chromium	17	4/11/2022	17	4/11/2022	6.6	4/13/2022	3.4	4/13/2022	2.5	4/13/2022	1.5	4/14/2022	5.1	4/6/2022	6.8	4/6/2022	11	4/11/2022	11	4/11/2022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 04/06, 04/10, 04/13, 04/14, 04/15, and 04/16, IWF offline intermittently due to maintenance.
 6: On 04/22, I-AD, I-I, and I-K adjusted to meet flow targets as directed by the Trust.
 7: On 04/28, I-AD, I-E, I-H, I-J, I-K, I-M, I-O, I-P, I-R, and I-U adjusted to meet flow targets as directed by the Trust.
 8: On 04/19, I-B, I-C, I-L, I-O, I-R, I-T, I-U, and I-W adjusted to meet flow targets as directed by the Trust.
 9: On 04/06, I-B, I-E, I-L, I-R, and I-S adjusted to meet flow targets as directed by the Trust.
 10: On 04/07, I-C, I-E, and I-N adjusted to meet flow targets as directed by the Trust.
 11: On 04/16, I-C, I-O, and I-W adjusted to meet flow targets as directed by the Trust.
 12: On 04/08, I-K adjusted to meet flow targets as directed by the Trust.
 13: On 04/17, I-L adjusted to meet flow targets as directed by the Trust.
 14: On 04/13, 04/21, and 04/28, I-L, I-Y, and I-Z water level taken manually due to water level dropping below transducer level.
 15: Duplicates taken on 04/14 for well I-L; average of both values is presented and used for calculations.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y		I-Z	
	Flow ¹⁶ (gpm)	Water Elevation (ft amsl)	Flow ^{7 8 9 17} (gpm)	Water Elevation (ft amsl)	Flow ⁹ (gpm)	Water Elevation (ft amsl)	Flow ⁸ (gpm)	Water Elevation (ft amsl)	Flow ^{7 8} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{8 11 18} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ¹⁴ (gpm)	Water Elevation (ft amsl)	Flow ¹⁴ (gpm)	Water Elevation (ft amsl)
04/01/22	0.26	1716.41	0.99	1716.76	1.9	1709.56	0.38	1715.77	0.77	1711.42	4.3	1720.32	0.63	1720.81	3.1	1702.01	1.4	< 1700.38	7.9	< 1709.17
04/02/22	0.29	1716.17	0.95	1716.91	1.9	1710.38	0.38	1715.73	0.77	1711.20	4.3	1720.29	0.64	1720.74	3.0	1705.29	1.4	< 1700.38	7.6	< 1709.17
04/03/22	0.27	1716.32	0.91	1716.81	1.8	1711.59	0.38	1715.69	0.67	1712.98	4.3	1720.27	0.64	1720.70	2.9	1707.95	1.4	< 1700.38	7.7	< 1709.17
04/04/22	0.27	1716.27	0.88	1716.79	1.8	1711.85	0.38	1715.66	0.65	1713.39	4.3	1720.25	0.64	1720.67	3.0	1704.47	1.5	< 1700.38	7.8	< 1709.17
04/05/22	0.22	1716.55	0.78	1717.33	1.8	1712.40	0.37	1715.81	0.63	1713.41	4.3	1720.27	0.63	1720.71	3.1	1698.64	1.5	< 1700.38	7.5	< 1709.17
04/06/22 ¹	0.27	1716.29	0.96	1716.21	1.9	1709.90	0.35	1716.14	0.68	1712.67	4.2	1720.31	0.56	1720.91	3.1	1699.32	1.4	< 1700.38	7.5	< 1709.17
04/07/22	0.24	1716.39	1.1	1715.92	2.0	1706.85	0.35	1716.07	0.75	1711.74	4.3	1720.20	0.56	1720.84	3.2	1698.35	1.4	< 1700.38	7.9	< 1709.17
04/08/22	0.21	1716.57	0.98	1715.86	1.9	1706.65	0.36	1715.98	0.70	1712.26	4.3	1720.19	0.58	1720.77	3.1	1698.35	1.4	< 1700.38	7.7	< 1709.17
04/09/22	0.22	1716.56	0.86	1716.05	1.9	1706.65	0.37	1715.81	0.67	1712.73	4.3	1720.19	0.58	1720.76	3.1	1698.34	1.4	< 1700.38	7.3	< 1709.17
04/10/22 ²	0.19	1716.69	0.90	1715.81	1.8	1706.74	0.36	1715.81	0.70	1715.56	4.3	1720.20	0.57	1720.79	3.1	1698.53	1.4	< 1700.38	7.5	< 1709.17
04/11/22	0.27	1716.15	0.78	1716.93	1.9	1706.86	0.36	1715.88	0.73	1711.97	4.3	1720.24	0.30	1721.64	3.1	1698.62	1.4	< 1700.38	7.6	< 1709.17
04/12/22	0.48	1714.51	0.73	1717.15	1.9	1706.64	0.36	1715.81	0.72	1712.28	4.3	1720.14	0.62	1720.60	3.1	1698.35	1.4	< 1700.38	7.8	< 1709.17
04/13/22 ²	0.34	1715.51	0.69	1717.42	1.9	1706.76	0.36	1715.79	0.67	1712.66	4.3	1720.15	0.59	1720.67	3.1	1698.53	1.4	< 1700.38	7.8	< 1709.99
04/14/22 ²	0.22	1716.45	0.67	1717.82	1.9	1706.75	0.36	1715.80	0.67	1712.74	4.3	1720.17	0.51	1721.02	3.1	1698.48	1.4	< 1700.03	7.8	< 1709.99
04/15/22 ²	0.21	1716.52	0.57	1718.64	1.9	1707.32	0.37	1715.93	0.73	1711.79	4.2	1720.25	0.42	1721.32	3.1	1698.78	1.4	< 1700.03	7.6	< 1709.99
04/16/22 ²	0.20	1716.58	0.50	1719.09	2.0	1707.75	0.35	1716.08	0.77	1711.00	4.2	1720.31	0.44	1721.23	3.1	1698.93	1.5	< 1700.03	7.7	< 1709.99
04/17/22	0.22	1716.46	0.63	1718.66	2.0	1706.65	0.43	1716.14	0.76	1710.99	4.3	1720.11	0.79	1719.85	3.1	1698.35	1.5	< 1700.03	7.8	< 1709.99
04/18/22	0.25	1716.30	0.95	1717.02	1.9	1706.63	0.41	1716.35	0.69	1712.35	4.3	1720.09	0.78	1719.80	3.1	1698.34	1.4	< 1700.03	7.6	< 1709.99
04/19/22	0.24	1716.34	1.1	1715.53	1.9	1706.59	0.56	1712.09	0.75	1711.12	4.3	1720.07	0.78	1719.76	3.1	1698.33	1.3	< 1700.03	7.4	< 1709.99
04/20/22	0.23	1716.39	1.1	1715.57	1.8	1706.58	0.70	1707.62	0.71	1711.63	4.3	1720.02	0.78	1719.69	3.1	1698.33	1.3	< 1700.03	7.4	< 1709.99
04/21/22	0.22	1716.42	1.1	1715.68	1.8	1706.58	0.69	1707.83	0.68	1712.42	4.3	1720.00	0.78	1719.65	3.1	1698.33	1.3	< 1699.90	7.4	< 1709.93
04/22/22	0.22	1716.37	1.1	1715.54	1.8	1706.58	0.69	1707.60	0.66	1712.64	4.3	1719.97	0.78	1719.60	3.1	1698.33	1.3	< 1699.90	7.7	< 1709.93
04/23/22	0.23	1716.30	1.1	1715.66	1.8	1706.58	0.68	1708.20	0.67	1712.50	4.3	1719.95	0.78	1719.57	3.1	1698.34	1.3	< 1699.90	7.7	< 1709.93
04/24/22	0.24	1716.24	1.0	1715.93	1.7	1706.58	0.66	1708.98	0.68	1712.12	4.3	1719.93	0.78	1719.53	3.1	1698.33	1.3	< 1699.90	7.7	< 1709.93
04/25/22	0.24	1716.22	0.99	1715.97	1.7	1706.58	0.65	1709.18	0.67	1712.22	4.3	1719.92	0.78	1719.47	3.1	1698.34	1.3	< 1699.90	7.7	< 1709.93
04/26/22	0.24	1716.26	1.0	1715.83	1.7	1706.58	0.65	1709.45	0.66	1712.53	4.3	1719.93	0.78	1719.48	3.1	1698.34	1.3	< 1699.90	7.3	< 1709.93
04/27/22	0.24	1716.25	1.0	1715.68	1.7	1706.58	0.65	1709.19	0.66	1712.35	4.3	1719.92	0.78	1719.46	3.1	1698.34	1.3	< 1699.90	7.4	< 1709.93
04/28/22	0.23	1716.24	1.1	1713.53	1.7	1706.58	0.66	1708.68	0.75	1710.91	4.3	1719.90	0.78	1719.42	3.1	1698.34	1.3	< 1699.95	7.3	< 1709.96
04/29/22	0.23	1716.23	1.1	1714.15	1.7	1706.58	0.66	1708.36	0.76	1710.36	4.3	1719.84	0.78	1719.33	3.1	1698.34	1.3	< 1699.95	7.3	< 1709.96
04/30/22	0.23	1716.25	1.2	1713.83	1.7	1706.58	0.66	1708.01	0.67	1711.91	4.3	1719.83	0.78	1719.29	3.1	1698.33	1.3	< 1699.95	7.3	< 1709.96
Monthly Average	0.25	1716.27	0.92	1716.34	1.8	1707.56	0.49	1713.05	0.70	1712.10	4.3	1720.11	0.66	1720.27	3.1	1699.32	1.4	1700.13	7.6	< 1709.65
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	560	4/11/2022	580	4/14/2022	320	4/14/2022	740	4/11/2022	760	4/11/2022	590	4/13/2022	570	4/11/2022	570	4/6/2022	370	4/14/2022	190	4/13/2022
Hexavalent Chromium	12	4/11/2022	0.85	4/14/2022	1.6	4/14/2022	13	4/11/2022	13	4/11/2022	6.1	4/13/2022	9.7	4/11/2022	8.3	4/6/2022	1.0	4/14/2022	5.1	4/13/2022
Total Chromium	14	4/11/2022	1.2	4/14/2022	0.79	4/14/2022	16	4/11/2022	15	4/11/2022	6.4	4/13/2022	9.7	4/11/2022	9.3	4/6/2022	1.3	4/14/2022	5.2	4/13/2022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 04/06, 04/10, 04/13, 04/14, 04/15, and 04/16, IWF offline intermittently due to maintenance.
 7: On 04/28, I-AD, I-E, I-H, I-J, I-K, I-M, I-O, I-P, I-R, and I-U adjusted to meet flow targets as directed by the Trust.
 8: On 04/19, I-B, I-C, I-L, I-N, I-O, I-R, I-T, I-U, and I-W adjusted to meet flow targets as directed by the Trust.
 9: On 04/06, I-B, I-E, I-L, I-R, and I-S adjusted to meet flow targets as directed by the Trust.
 11: On 04/16, I-C, I-O, and I-W adjusted to meet flow targets as directed by the Trust.
 14: On 04/13, 04/21, and 04/28, I-L, I-Y, and I-Z water level taken manually due to water level dropping below transducer level.
 16: On 04/11, I-Q adjusted to meet flow targets as directed by the Trust.
 17: On 04/29, I-R adjusted to meet flow targets as directed by the Trust.
 18: On 04/11, I-W down due to maintenance.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent ¹				GW-11 Influent ¹				FBR Plant Influent ¹						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow ^{4,5} (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow ⁶ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₂ (mg/L)	TA - NO ₃ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
04/01/22	903	58				0.0				961		51				
04/02/22	902	57				0.0				960	45	51				
04/03/22	902	64				0.0				966		51				
04/04/22	901	51				0.0				952		65	110	18	0.052	0.057
04/05/22	901	59				0.0				960		50				
04/06/22	899	58	1.00	0.00065 J	380	4.8	0.32	0.0064	49	957		53				
04/07/22	897	62				0.0				959		53				
04/08/22	900	62				0.0				962		52				
04/09/22	898	62				0.0				961	49	52				
04/10/22	898	62				0.0				960		50				
04/11/22	897	61				0.0				958		47		17	0.035	0.040
04/12/22	897	63				0.0				960		46				
04/13/22	896	62	0.58	ND	400	0.0				958		50				
04/14/22	896	62				1.2				959		49				
04/15/22	896	61				0.0				957		49				
04/16/22	895	62				0.0				957	82	51				
04/17/22	911	62				0.0				972		44				
04/18/22	901	62				0.0				963		45		16	0.39	0.34
04/19/22 ³	894	63				0.0				957		46				
04/20/22	893	61	0.090	ND	430	0.0				954		46				
04/21/22	892	60				0.0				952		52				
04/22/22	891	61				0.0				952		51				
04/23/22	890	61				0.0				951	56	51				
04/24/22	891	61				0.0				952		46				
04/25/22	889	61				0.0				950		40		16	0.054	0.049
04/26/22	889	62				0.0				950		46				
04/27/22	889	63	0.31	ND	380	0.0				952		52				
04/28/22	888	63				0.0				950		52				
04/29/22	887	63				0.0				949		52				
04/30/22	886	65				0.0				951	58	52				
Monthly Average ²	896	61	0.23	ND	286	0.20	0.32	0.0064	49	957	59	50	110	17	0.13	0.12

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.
 1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data.
 2: All average concentrations reported are monthly flow weighted averages.
 3: On 04/19, Treatment Plant offline due to maintenance.
 4: On 04/11 and 04/14, GW-11 Influent totalizer offline due to maintenance; Averaged flows are presented.
 5: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 03/01 to 03/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.
 6: From 04/01 to 04/30, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.

Table 4 - Treatment Plant Operational Metrics

Date	1st Stage FBR ⁷			2nd Stage FBR ⁷			FBR Plant Effluent							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁸ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (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)
04/01/22	888	6.5	-358	869	6.7	-382	924		0.0					16
04/02/22	923	6.6	-338	746	6.8	-401	913	0.00049 J	0.0					18
04/03/22	962	6.6	-350	892	6.7	-404	956		0.0					17
04/04/22	921	6.6	-353	834	6.8	-409	977		0.0	0.018 J	0.0044 J	ND	0.048 J	13
04/05/22	998	6.6	-348	750	6.8	-404	958		0.0					22
04/06/22	1,003	6.7	-337	928	6.8	-404	972		0.0					22
04/07/22	986	6.7	-371	902	6.8	-379	953		0.0					8.0
04/08/22	996	6.7	-374	790	6.8	-408	958		0.0					11
04/09/22	976	6.7	-381	580	6.8	-410	946	0.024	0.0					15
04/10/22	971	6.7	-385	662	6.8	-411	934		0.0					11
04/11/22	965	6.8	-391	787	6.8	-407	934		0.0		0.0037 J	ND	0.080	17
04/12/22	967	6.8	-398	675	6.8	-405	934		0.0					19
04/13/22	964	6.8	-376	870	6.8	-356	927		0.0					19
04/14/22	954	6.9	-370	772	6.9	-324	874		0.0					16
04/15/22	982	6.8	-376	906	6.9	-420	922		0.0					16
04/16/22	974	6.8	-389	874	6.8	-411	912	ND	0.0					23
04/17/22	967	6.8	-387	659	6.8	-416	934		0.0					14
04/18/22	966	6.8	-398	705	6.8	-345	926		0.0		0.023	ND	0.10	25
04/19/22 ³	975	6.8	-403	931	6.9	-394	878		0.0					14
04/20/22	996	6.7	-406	595	6.8	-411	935		0.0					19
04/21/22	970	6.8	-411	866	6.8	-422	941		0.0					14
04/22/22	993	6.8	-411	832	6.8	-426	938		0.0					11
04/23/22	987	6.8	-407	723	6.8	-420	936	ND	0.0					20
04/24/22	982	6.8	-367	762	6.8	-419	943		0.0					22
04/25/22	986	6.7	-404	750	6.8	-366	936		0.0		0.0073 J	ND	0.099	19
04/26/22	972	6.8	-370	848	6.8	-397	942		0.0					13
04/27/22	971	6.8	-382	930	6.8	-406	918		0.0					15
04/28/22	966	6.8	-406	822	6.8	-411	910		0.0					10
04/29/22	922	6.7	-394	795	6.8	-410	912		0.0					16
04/30/22	977	6.8	-393	761	6.8	-411	893	0.0015	0.0					11
Monthly Average ²	969	6.7	-381	794	6.8	-399	931	0.0060	ND	0.018	0.0094	0.0010	0.083	16

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.

ND = Not detected above laboratory method detection limit (ClO₂ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).

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

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

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

3: On 04/19, Treatment Plant offline due to maintenance.

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

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

GW-11 Level Monitoring ¹		
Date	Field Measurement (ft)	Volume (MG)
04/15/22	26.1	41.8
04/30/22	25.7	42.2

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
4/13/2022	0	0	681	0
4/26/2022	0	0	721	0

GW-11 Composite Sample ³		
Analytes	Concentration	Units
Perchlorate	6.0	mg/L
Chlorate	11	mg/L
Ammonia as N	0.093	mg/L
Total Phosphorus	0.61	mg/L
Total Dissolved Solids (TDS)	12,000 D	mg/L
Total Suspended Solids (TSS)	160 D	mg/L
pH	9.0 HF	s.u.
Calcium	520	mg/L
Iron	3.1	mg/L
Chromium (total)	0.46	mg/L
Chromium VI	0.0052	mg/L
Chloride	4,300	mg/L
Nitrate as N	2.1	mg/L
Sulfate	3,600	mg/L

Notes:

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.

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: February 23, 2022.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System 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)		
May 2021	1,031	58	8.5	120	476	460
June 2021	1,027	58	8.1	120	470	456
July 2021	1,043	62	8.1	120	487	454
Aug 2021	1,063	62	8.6	120	502	460
Sep 2021	954	62	10.7	130	492	467
Oct 2021	924	66	10.7	120	464	475
Nov 2021	879	49	10	120	406	473
Dec 2021	934	42	10	110	391	471
Jan 2022	992	58	11	120	481	457
Feb 2022	1,050	56	18	110	563	466
Mar 2022	1,022	50	20	110	556	477
Apr 2022	957	59	17	110	509	485

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 $[(0.9 \times \text{NO}_3 \text{ as N} + 0.17 \times \text{ClO}_3 + 0.18 \times \text{ClO}_4) \times \text{Flow} \times 1440 / 1000000 \times 8.34]$.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E1-1		E1-2		E1-3		E2-1		E2-2		E2-3		E2-4		E2-5	
	Flow ^{3,4} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{5,6} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
04/01/22	2.2	1712.25	0.84	1709.88	0.65	1714.37	1.1	1716.22	1.2	1714.94	1.0	1717.97	1.1	1716.56	0.28	1715.94
04/02/22	2.2	1711.25	0.82	1710.54	0.68	1715.41	1.1	1716.37	1.1	1714.79	1.0	1716.90	1.2	1716.63	0.28	1715.87
04/03/22	2.2	1712.76	0.84	1710.25	0.84	1714.52	1.1	1716.15	1.2	1715.05	1.0	1717.30	1.2	1716.45	0.24	1716.60
04/04/22	2.1	1713.75	0.78	1710.15	0.79	1714.55	1.0	1715.55	1.2	1714.55	0.98	1717.70	1.1	1716.49	0.23	1715.99
04/05/22	2.2	1713.91	0.83	1710.14	0.78	1715.16	1.0	1715.75	1.1	1714.63	0.94	1717.65	1.1	1716.50	0.21	1715.95
04/06/22 ²	2.1	1713.65	0.79	1710.56	0.63	1714.57	1.0	1715.59	1.1	1715.43	0.84	1717.90	1.1	1716.20	0.19	1718.20
04/07/22	1.1	1713.42	0.81	1710.70	0.64	1714.50	1.0	1716.26	1.1	1715.70	0.84	1718.95	1.1	1715.78	0.30	1716.74
04/08/22	2.2	1713.28	0.82	1711.66	0.71	1714.40	0.93	1716.09	1.1	1715.56	0.87	1717.70	1.2	1716.61	0.34	1716.68
04/09/22	2.5	1712.74	0.84	1712.61	0.75	1715.54	0.93	1718.17	1.1	1716.24	0.85	1720.90	1.1	1717.46	0.30	1716.94
04/10/22 ²	1.9	1712.50	0.86	1712.66	0.83	1715.45	1.2	1715.44	1.1	1716.12	0.89	1717.63	1.1	1716.89	0.31	1718.25
04/11/22	2.0	1712.38	0.80	1712.74	0.77	1714.37	1.0	1715.56	0.92	1716.19	0.66	1717.49	1.1	1716.93	0.47	1718.14
04/12/22	2.0	1712.42	0.81	1712.61	0.85	1714.51	1.3	1715.37	1.2	1716.00	0.87	1717.46	1.1	1716.76	0.49	1717.80
04/13/22 ²	2.1	1713.87	0.78	1712.37	0.80	1712.24	1.1	1715.20	1.1	1714.95	0.72	1717.93	1.1	1716.96	0.49	1714.66
04/14/22	1.3	1716.24	0.81	1711.67	0.84	1711.30	1.1	1714.66	1.2	1714.37	0.72	1718.21	1.1	1717.08	0.48	1709.62
04/15/22 ²	1.3	1714.10	0.77	1712.33	0.78	1711.51	1.0	1713.25	1.3	1712.58	0.82	1717.56	1.0	1716.00	0.46	1717.75
04/16/22	1.2	1713.16	0.81	1711.49	0.81	1711.62	1.2	1714.61	1.4	1714.35	0.78	1717.72	1.1	1716.25	0.48	1717.99
04/17/22	0.94	1710.22	0.77	1711.55	0.80	1711.64	1.1	1715.08	1.3	1711.22	0.75	1720.88	1.1	1717.07	0.45	1710.08
04/18/22	0.35	1710.19	0.80	1711.41	0.80	1711.75	1.1	1715.02	1.1	1712.72	0.89	1717.82	1.1	1716.56	0.14	1711.60
04/19/22	0.35	1710.45	0.82	1711.31	0.81	1711.72	1.2	1714.95	1.0	1712.80	0.88	1717.07	1.1	1716.79	0.09	1713.20
04/20/22	0.35	1710.19	0.82	1711.42	0.81	1711.39	1.2	1715.18	1.1	1716.68	0.87	1720.50	1.1	1717.02	0.03	1719.90
04/21/22	0.35	1711.20	0.77	1712.24	0.79	1711.91	1.1	1715.61	1.0	1717.04	1.4	1713.90	1.1	1716.78	0.32	1716.77
04/22/22	0.35	1711.72	0.76	1712.96	0.77	1713.05	1.2	1716.24	0.96	1717.44	1.3	1715.59	1.1	1717.01	0.23	1716.16
04/23/22	0.35	1711.75	0.80	1712.85	0.78	1712.87	1.1	1716.07	0.91	1717.32	1.3	1715.74	0.57	1717.04	0.36	1716.14
04/24/22	0.36	1710.27	0.84	1712.05	0.80	1711.99	1.2	1716.44	0.91	1716.72	1.3	1715.86	0.0	1716.90	0.28	1716.21
04/25/22	0.34	1709.52	0.81	1709.66	0.77	1710.24	1.2	1713.80	0.89	1716.60	1.3	1714.15	1.1	1715.18	0.31	1715.36
04/26/22	0.35	1711.20	0.80	1712.44	0.81	1712.53	1.1	1716.80	0.90	1717.94	1.3	1716.34	1.1	1717.42	0.26	1716.82
04/27/22	0.34	1709.51	0.84	1711.10	0.79	1710.79	1.1	1716.29	0.99	1716.69	1.3	1716.07	1.1	1717.19	0.28	1716.50
04/28/22	0.80	1717.24	0.83	1712.31	0.79	1712.43	1.1	1716.02	1.0	1715.87	1.3	1713.80	1.1	1716.00	0.29	1715.04
04/29/22	2.1	1717.83	0.81	1711.31	0.78	1710.10	1.1	1715.60	1.0	1714.81	1.3	1713.11	1.0	1715.85	0.25	1714.49
04/30/22	2.3	1716.61	0.80	1711.18	0.81	1710.71	1.1	1716.64	1.0	1715.70	1.3	1716.09	1.1	1717.43	0.21	1716.44
Monthly Average	1.3	1712.65	0.81	1711.54	0.77	1712.91	1.1	1715.66	1.1	1715.37	1.0	1717.13	1.1	1716.66	0.30	1715.92
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
Perchlorate	520	4/7/2022	880	4/7/2022	330	4/7/2022	79	4/7/2022	340	4/14/2022	700	4/7/2022	820	4/7/2022	1,000	4/7/2022
Hexavalent Chromium	0.074	4/7/2022	0.460	4/7/2022	0.54	4/7/2022	0.026	4/7/2022	0.035	4/14/2022	0.066	4/7/2022	0.082	4/7/2022	0.18	4/7/2022
Total Chromium	0.083	4/7/2022	0.490	4/7/2022	0.59	4/7/2022	0.031	4/7/2022	0.036	4/14/2022	0.079	4/7/2022	0.090	4/7/2022	0.21	4/7/2022

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: On 04/06, 04/10, 04/13, and 04/15, AP Area wells offline briefly due to maintenance.
 3: On 04/11 to 04/16, E1-1 totalizer malfunctioned; Averaged flows are presented.
 4: From 04/17 to 04/28, E1-1 flow reduced due to issues with new totalizer; Totalizer repaired on 04/28.
 5: From 04/21 to 04/25, Average flow values presented for E2-1.
 6: Duplicates taken on 04/07 for well E2-1; average of both values is presented and used for calculations.
 7: On 04/23, E2-4 flow reduced due to issue with totalizer.

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

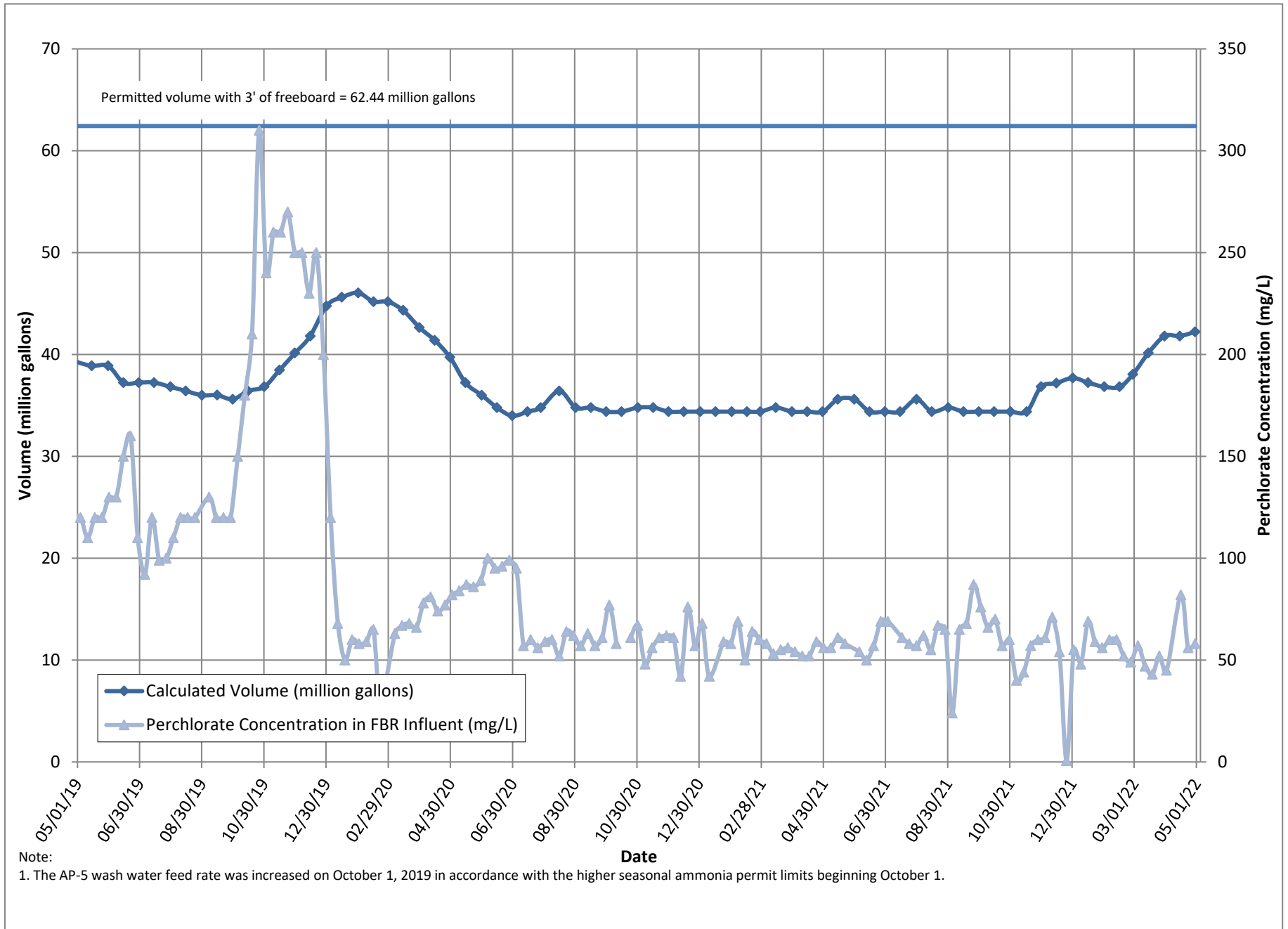


Figure 2 - FBR Equivalent Loading Calculation

