

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																			
Date	LS #1 ² 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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
01/01/24	429	160	1540.04	97	1540.02	122	1546.34	108	1534.88	64	1548.46	116	1551.26	50	1552.58	20	1552.18	10	< 1520.00
01/02/24	429	160	1540.02	97	1540.03	121	1546.33	108	1534.86	64	1548.44	116	1551.25	50	1552.57	20	1552.17	10	< 1520.00
01/03/24	427	159	1540.22	96	1540.09	121	1546.42	108	1535.05	63	1548.50	115	1551.31	49	1552.63	20	1552.23	10	< 1520.00
01/04/24	428	160	1540.28	97	1540.19	121	1546.41	108	1535.00	64	1548.47	115	1551.29	49	1552.61	20	1552.21	10	< 1520.00
01/05/24	428	160	1540.38	96	1539.97	121	1546.44	108	1535.01	64	1548.48	115	1551.29	49	1552.62	20	1552.22	10	< 1520.00
01/06/24	429	160	1540.30	97	1539.96	122	1546.42	109	1534.89	64	1548.48	116	1551.30	49	1552.63	20	1552.24	10	< 1520.00
01/07/24	429	160	1540.29	97	1540.03	122	1546.42	109	1534.89	64	1548.47	116	1551.29	49	1552.62	20	1552.23	10	< 1520.00
01/08/24	429	160	1540.27	96	1540.33	122	1546.37	109	1534.83	64	1548.42	116	1551.23	49	1552.56	20	1552.17	10	< 1520.00
01/09/24	429	160	1540.27	96	1540.39	122	1546.38	109	1534.83	64	1548.43	116	1551.25	49	1552.59	20	1552.20	10	< 1520.00
01/10/24	429	160	1540.26	96	1540.37	122	1546.40	109	1534.83	64	1548.45	116	1551.28	49	1552.62	20	1552.23	10	< 1520.00
01/11/24	429	160	1540.21	96	1540.42	122	1546.37	109	1534.79	64	1548.42	116	1551.24	49	1552.58	20	1552.19	10	< 1520.00
01/12/24	424	158	1540.35	95	1540.48	120	1546.44	107	1535.00	63	1548.46	114	1551.28	49	1552.61	20	1552.21	10	< 1520.00
01/13/24	429	160	1540.24	96	1540.35	122	1546.39	109	1534.87	64	1548.44	116	1551.25	49	1552.59	20	1552.20	10	< 1520.00
01/14/24	429	160	1540.21	96	1540.38	122	1546.37	109	1534.83	64	1548.42	116	1551.24	49	1552.57	20	1552.18	10	< 1520.00
01/15/24	428	160	1540.17	96	1540.44	122	1546.35	109	1534.80	64	1548.40	116	1549.82	49	1551.11	20	1552.16	10	< 1520.00
01/16/24	428	160	1540.16	96	1540.50	122	1546.34	109	1534.79	64	1548.39	116	1549.06	49	1550.29	20	1552.15	10	< 1520.00
01/17/24	428	160	1540.15	96	1540.53	122	1546.34	109	1534.78	64	1548.39	116	1549.05	49	1550.29	20	1552.15	10	< 1520.00
01/18/24	428	160	1540.12	95	1540.61	122	1546.31	109	1534.75	64	1548.36	116	1549.02	49	1550.25	20	1552.12	10	1520.01
01/19/24	428	160	1540.12	95	1540.66	122	1546.32	109	1534.75	64	1548.37	116	1549.03	49	1550.27	20	1552.13	10	< 1520.00
01/20/24	428	160	1540.11	95	1540.69	122	1546.33	109	1534.75	64	1548.37	116	1549.04	49	1550.28	20	1552.14	10	< 1520.00
01/21/24	428	160	1540.10	95	1540.74	122	1546.33	109	1534.74	64	1548.37	116	1549.04	49	1550.27	20	1552.14	10	< 1520.00
01/22/24	428	160	1540.12	95	1540.81	122	1546.34	109	1534.76	64	1548.39	116	1549.08	49	1550.31	20	1552.17	10	< 1520.00
01/23/24	428	160	1540.21	95	1540.86	122	1546.40	109	1534.86	64	1548.44	116	1549.12	49	1550.34	20	1552.20	10	1520.01
01/24/24	428	160	1540.26	95	1540.90	122	1546.40	109	1534.90	64	1548.44	116	1549.10	49	1550.32	20	1552.18	10	< 1520.00
01/25/24	427	160	1540.25	95	1540.93	122	1546.39	109	1534.90	64	1548.42	116	1549.08	49	1550.31	20	1552.17	10	< 1520.00
01/26/24	427	160	1540.22	94	1540.96	122	1546.34	109	1534.84	64	1548.38	116	1549.03	49	1550.26	20	1552.12	10	< 1520.00
01/27/24	427	160	1540.18	94	1541.01	122	1546.32	109	1534.80	64	1548.37	116	1549.02	49	1550.25	20	1552.11	10	< 1520.00
01/28/24	427	160	1540.16	94	1541.04	122	1546.32	109	1534.79	64	1548.36	116	1549.02	49	1550.25	20	1552.11	10	< 1520.00
01/29/24	427	160	1540.13	94	1541.08	122	1546.31	109	1534.77	64	1548.36	116	1549.01	49	1550.25	20	1552.11	10	< 1520.00
01/30/24	427	160	1540.11	94	1541.11	122	1546.30	109	1534.76	64	1548.35	116	1549.00	49	1550.24	20	1552.10	10	< 1520.00
01/31/24	416	156	1540.39	92	1541.32	119	1546.47	106	1535.17	62	1548.45	113	1549.10	48	1550.32	20	1552.16	10	< 1520.00
Monthly Average	427	160	1540.20	95	1540.56	121	1546.37	108	1534.85	64	1548.42	115	1550.08	49	1551.36	20	1552.17	10	1520.00
Analytical ¹		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	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		7.5	1/15/2024	6.8	1/15/2024	4.6	1/15/2024	4.5	1/15/2024	3.0	1/15/2024	1.2	1/15/2024	0.32	1/15/2024	0.26	1/15/2024	2.6	1/15/2024
Hexavalent Chromium		0.0029	1/15/2024	0.00050	1/15/2024	ND	1/15/2024	0.0031	1/15/2024	ND	1/15/2024	ND	1/15/2024	ND	1/15/2024	ND	1/15/2024	ND	1/15/2024
Total Chromium		0.00080	1/15/2024	ND	1/15/2024	ND	1/15/2024	ND	1/15/2024	ND	1/15/2024	ND	1/15/2024	ND	1/15/2024	ND	1/15/2024	ND	1/15/2024

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 µg/L; Cr(VI) =0.20 µg/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.
 A "c" 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.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 01/31, LS #1 offline due to maintenance.
 3: Duplicates taken on 1/15/2024 of well PC-116R; average of both values is presented and used for calculations.

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 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 ⁴ (gpm)	Water Elevation (ft amsl)
01/01/24	378	42	1575.99	132	1590.63	26	1588.09	3.7	1587.88	38	1604.50	26	1586.92	143	1587.08	2.3	1583.00
01/02/24	378	42	1575.99	131	1590.63	26	1588.08	3.7	1587.82	38	1605.00	26	1586.96	143	1587.08	2.3	1580.15
01/03/24	377	41	1575.99	132	1590.66	26	1588.11	3.7	1587.85	38	1605.00	26	1586.77	143	1587.10	2.3	1580.14
01/04/24	377	41	1575.99	131	1590.64	26	1588.09	3.7	1587.83	38	1605.00	26	1586.87	143	1587.09	2.3	1580.13
01/05/24	377	40	1575.99	131	1590.65	26	1588.10	3.7	1587.83	38	1605.00	26	1586.97	144	1587.09	2.3	1580.13
01/06/24	377	40	1575.99	132	1590.69	26	1588.14	3.7	1586.19	38	1605.00	26	1586.85	144	1587.13	2.3	1580.13
01/07/24	375	40	1575.99	131	1590.70	26	1588.15	3.7	1584.55	38	1605.00	26	1586.67	144	1587.13	2.3	1580.13
01/08/24	376	40	1575.99	131	1590.65	26	1588.10	3.7	1584.49	38	1605.00	26	1587.06	144	1587.09	2.3	1580.11
01/09/24	376	40	1575.99	131	1590.69	26	1588.15	3.7	1584.53	38	1605.00	26	1587.02	144	1587.13	2.3	1580.11
01/10/24	376	40	1575.99	131	1590.74	26	1588.20	3.7	1584.57	38	1605.00	26	1586.75	143	1587.18	2.3	1580.12
01/11/24	376	39	1575.99	131	1590.71	26	1588.16	3.7	1584.53	38	1605.00	26	1586.83	143	1587.15	2.3	1580.11
01/12/24	376	39	1575.99	131	1590.71	26	1588.17	3.7	1584.53	38	1605.00	26	1587.02	143	1587.15	2.3	1580.11
01/13/24	376	39	1575.99	131	1590.74	26	1588.20	3.7	1584.57	38	1605.00	26	1586.97	143	1587.18	2.3	1580.12
01/14/24	376	39	1575.99	131	1590.76	26	1588.22	3.7	1584.58	38	1603.71	26	1586.93	143	1587.19	2.3	1580.11
01/15/24	376	39	1575.75	131	1590.75	26	1588.21	3.7	1584.57	38	1602.99	26	1587.06	143	1587.19	2.3	1580.11
01/16/24	376	39	1575.59	131	1590.77	26	1588.23	3.7	1584.59	38	1603.05	26	1587.08	144	1587.20	2.3	1580.13
01/17/24	378	39	1575.59	131	1590.79	26	1588.25	3.7	1584.60	38	1603.11	26	1586.94	143	1587.22	2.3	1580.15
01/18/24	376	39	1575.59	131	1590.76	26	1588.23	3.7	1584.59	38	1603.10	26	1587.12	143	1587.20	2.3	1580.11
01/19/24	377	41	1584.33	131	1590.78	26	1588.25	3.7	1584.62	38	1603.10	26	1587.08	143	1587.21	2.3	1580.13
01/20/24	378	42	1589.62	131	1590.79	26	1588.27	3.7	1584.63	38	1602.75	26	1586.91	143	1587.22	2.3	1580.13
01/21/24	378	42	1589.61	133	1590.77	26	1588.26	3.7	1584.63	38	1602.92	26	1586.92	143	1587.21	2.3	1580.12
01/22/24	378	42	1589.61	133	1590.78	26	1588.26	3.7	1584.63	38	1603.12	26	1586.91	143	1587.22	2.3	1580.13
01/23/24	378	42	1589.60	132	1590.76	26	1588.25	3.7	1584.62	38	1603.03	26	1586.98	143	1587.21	2.3	1580.13
01/24/24	378	42	1589.58	132	1590.75	26	1588.23	3.7	1584.61	38	1603.62	26	1587.15	143	1587.19	2.3	1580.13
01/25/24	378	42	1589.59	132	1590.76	26	1588.25	3.7	1584.62	38	1603.54	26	1587.15	143	1587.20	2.3	1580.13
01/26/24	377	42	1589.56	132	1590.72	26	1588.21	3.7	1584.58	38	1603.04	26	1587.38	143	1587.17	2.3	1580.12
01/27/24	379	42	1589.56	131	1590.73	26	1588.22	3.7	1584.60	38	1603.04	26	1587.44	143	1587.18	2.3	1580.11
01/28/24	378	42	1589.58	131	1590.75	26	1588.24	3.7	1584.62	38	1602.89	26	1587.35	143	1587.20	2.3	1580.13
01/29/24	378	42	1589.59	131	1590.76	26	1588.26	3.7	1584.63	38	1603.47	26	1587.28	143	1587.21	2.3	1580.10
01/30/24	380	42	1589.60	131	1590.76	26	1588.26	3.7	1584.64	38	1603.62	26	1587.19	143	1587.21	2.3	1580.14
01/31/24	386	42	1583.36	131	1590.77	26	1588.27	3.7	1584.65	38	1603.61	26	1587.08	143	1587.22	2.3	1580.13
Monthly Average	378	41	1581.28	131	1590.73	26	1588.20	3.7	1585.17	38	1603.94	26	1587.02	143	1587.17	2.3	1580.22
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	
Perchlorate	25	1/15/2024	7.4	1/15/2024	140	1/15/2024	110	1/15/2024	150	1/15/2024	81	1/15/2024	47	1/15/2024	66	1/15/2024	
Hexavalent Chromium	0.00023	1/15/2024	0.0018	1/15/2024	0.21	1/15/2024	0.15	1/15/2024	0.47	1/15/2024	0.42	1/15/2024	0.041	1/15/2024	0.077	1/15/2024	
Total Chromium	ND	1/15/2024	ND	1/15/2024	0.22	1/15/2024	0.16	1/15/2024	0.470	1/15/2024	0.43	1/15/2024	0.042	1/15/2024	0.080	1/15/2024	

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.
 ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 µg/L; Cr(VI) = 0.25 µg/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 01/01 to 01/19, ART-1 switched to ART-1A.
 3: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 2.3 gpm determined from flow tests is presented for 01/01 to 01/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero.
 4: Duplicates taken on 1/15/2024 of well ART-2/2A; average of both values is presented and used for calculations.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

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 (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)
01/01/24	0.23	1714.54	0.81	1707.79	0.0	1718.32	0.0	1723.57	0.98	1715.49	0.37	1709.68	2.5	1708.53	1.1	1705.66	0.78	1715.06	1.9	1708.90
01/02/24	0.23	1714.54	0.82	1707.79	0.0	1718.31	0.0	1723.58	0.97	1715.70	0.37	1709.69	2.5	1708.53	1.1	1705.66	0.80	1714.99	1.9	1708.90
01/03/24	0.24	1714.54	0.81	1707.80	0.0	1718.31	0.0	1723.67	0.98	1715.46	0.37	1709.69	2.5	1708.53	1.1	1705.68	0.81	1714.93	1.9	1708.91
01/04/24	0.23	1714.54	0.82	1707.84	0.0	1718.32	0.0	1723.62	0.98	1715.31	0.37	1709.66	2.5	1708.53	1.1	1705.67	0.79	1715.01	1.9	1708.91
01/05/24	0.23	1714.54	0.82	1707.85	0.0	1718.39	0.0	1723.60	0.98	1715.40	0.38	1709.70	2.5	1708.53	1.1	1705.67	0.77	1715.17	1.9	1708.91
01/06/24 ²	0.15	1716.56	0.83	1707.80	0.0	1718.45	0.0	1723.66	0.94	1716.13	0.38	1709.66	2.5	1708.60	1.1	1705.69	0.77	1715.11	1.9	1708.94
01/07/24	0.26	1717.03	0.83	1707.78	0.0	1718.51	0.0	1723.68	0.92	1716.75	0.39	1709.67	2.6	1708.53	1.1	1705.69	0.81	1714.96	1.9	1708.92
01/08/24	0.25	1714.69	0.83	1707.79	0.25	1713.63	0.0	1723.61	0.92	1716.63	0.39	1709.68	2.6	1708.52	1.1	1705.69	0.84	1714.79	1.9	1708.91
01/09/24	0.25	1714.58	0.82	1707.82	0.40	< 1710.00	0.01	1722.91	1.0	1713.25	0.39	1709.70	2.6	1708.52	1.1	1705.69	0.87	1714.62	1.9	1708.90
01/10/24	0.25	1714.55	0.82	1707.82	0.40	< 1710.00	0.0	1723.66	1.1	< 1710.00	0.39	1709.69	2.6	1708.52	1.1	1705.70	0.87	1714.64	2.0	1708.91
01/11/24	0.25	1714.55	0.81	1707.82	0.33	1711.03	0.0	1723.60	1.1	< 1710.00	0.39	1709.67	2.6	1708.52	1.1	1705.70	0.86	1714.72	2.0	1708.92
01/12/24	0.25	1714.55	0.82	1707.85	0.0	1718.48	0.0	1723.57	1.1	< 1710.00	0.39	1709.69	2.6	1708.52	1.1	1705.70	0.86	1714.74	2.1	1708.95
01/13/24	0.25	1714.55	0.82	1707.88	0.0	1718.52	0.0	1723.53	1.1	< 1710.00	0.40	1709.68	2.6	1708.52	1.1	1705.69	0.88	1714.70	2.1	1708.95
01/14/24	0.24	1714.55	0.82	1707.93	0.0	1718.52	0.0	1723.49	1.1	< 1710.00	0.40	1709.69	2.6	1708.52	1.1	1705.69	0.87	1714.73	2.1	1708.95
01/15/24	0.25	1714.55	0.82	1707.96	0.0	1718.52	0.0	1723.45	1.1	< 1710.00	0.40	1709.69	2.6	1708.52	1.1	1705.70	0.84	1714.95	2.2	1708.93
01/16/24	0.24	1714.55	0.82	1707.97	0.0	1718.53	0.0	1723.42	1.1	< 1710.00	0.40	1709.71	2.6	1708.52	1.1	1705.70	0.84	1715.00	2.2	1708.93
01/17/24	0.24	1714.55	0.82	1707.94	0.0	1718.53	0.0	1723.41	1.1	< 1710.00	0.40	1709.70	2.7	1708.52	1.1	1705.70	0.83	1715.05	2.2	1708.94
01/18/24	0.24	1714.55	0.82	1707.99	0.0	1718.52	0.0	1723.33	1.1	< 1710.00	0.40	1709.69	2.7	1708.52	1.1	1705.70	0.83	1715.08	2.2	1708.93
01/19/24	0.24	1714.55	0.82	1708.02	0.0	1718.61	0.0	1723.30	1.1	< 1710.00	0.43	1709.76	2.7	1708.52	1.2	1705.71	0.83	1715.11	2.3	1708.93
01/20/24	0.24	1714.55	0.82	1708.04	0.0	1718.68	0.0	1723.30	1.1	< 1710.00	0.44	1709.82	2.7	1708.53	1.2	1705.71	0.90	1714.47	2.3	1708.93
01/21/24	0.24	1714.55	0.82	1708.01	0.0	1718.54	0.0	1723.27	1.1	< 1710.00	0.40	1709.73	2.6	1708.52	1.1	1705.72	1.1	1712.25	2.2	1708.94
01/22/24	0.24	1714.55	0.81	1707.97	0.0	1718.47	0.0	1723.27	1.1	< 1710.00	0.39	1709.70	2.6	1708.52	1.1	1705.72	1.1	1712.34	2.0	1708.93
01/23/24	0.24	1714.55	0.81	1707.94	0.0	1718.41	0.0	1723.23	1.1	< 1710.00	0.38	1709.71	2.6	1708.52	1.1	1705.72	1.0	1712.40	1.9	1708.90
01/24/24	0.24	1714.55	0.81	1707.96	0.0	1718.39	0.0	1723.17	1.1	< 1710.00	0.38	1709.71	2.5	1708.52	1.1	1705.72	1.0	1712.58	1.8	1708.88
01/25/24	0.24	1714.55	0.81	1707.98	0.0	1718.37	0.0	1723.12	1.1	< 1710.00	0.38	1709.72	2.5	1708.52	1.0	1705.72	1.0	1712.15	1.8	1708.87
01/26/24	0.24	1714.59	0.81	1708.00	0.0	1718.35	0.0	1723.05	1.1	< 1710.00	0.38	1709.72	2.5	1708.52	1.0	1705.72	1.0	1712.04	1.7	1708.86
01/27/24	0.24	1714.56	0.81	1708.00	0.0	1718.34	0.0	1723.03	1.1	< 1710.00	0.37	1709.71	2.5	1708.52	1.0	1705.71	1.0	1712.23	1.7	1708.86
01/28/24	0.24	1714.56	0.81	1707.95	0.0	1718.33	0.0	1723.00	1.1	< 1710.00	0.37	1709.68	2.5	1708.52	1.0	1705.72	1.0	1712.16	1.7	1708.87
01/29/24	0.24	1714.63	0.81	1707.93	0.0	1718.33	0.0	1722.97	1.1	< 1710.00	0.37	1709.69	2.5	1708.53	1.0	1705.72	1.0	1712.02	1.7	1708.86
01/30/24	0.23	1714.56	0.81	1707.89	0.0	1718.32	0.0	1722.96	1.1	< 1710.00	0.37	1709.70	2.5	1708.53	1.0	1705.72	1.0	1712.02	1.6	1708.86
01/31/24	0.23	1714.56	0.81	1707.85	0.0	1718.32	0.0	1722.96	1.1	< 1710.00	0.37	1709.71	2.5	1708.53	0.99	1705.72	1.0	1711.98	1.6	1708.86
Monthly Average	0.24	1714.71	0.82	1707.90	0.045	1717.50	0.0	1723.35	1.0	1711.62	0.39	1709.70	2.6	1708.53	1.1	1705.70	0.90	1713.94	2.0	1708.91
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	310	1/8/2024	20	1/8/2024	48	1/8/2024	180	1/9/2024	180	1/9/2024	190	1/8/2024	450	1/8/2024	400	1/8/2024	570	1/8/2024	570	1/8/2024
Hexavalent Chromium	0.94	1/8/2024	0.045	1/8/2024	0.0032	1/8/2024	1.7	1/9/2024	1.7	1/9/2024	0.15	1/8/2024	2.5	1/8/2024	4.0	1/8/2024	5.6	1/8/2024	11	1/8/2024
Total Chromium	0.99	1/8/2024	0.078	1/8/2024	0.024	1/8/2024	1.7	1/9/2024	1.7	1/9/2024	0.17	1/8/2024	2.5	1/8/2024	4.1	1/8/2024	5.6	1/8/2024	11	1/8/2024

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
 - 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.
 - 1: Analytical results are reported from Eurofins TestAmerica.
 - 2: On 01/06, IWF offline due to maintenance.
 - 3: On 01/08, I-AB online for sampling.
 - 4: On 01/09, I-AC online for sampling.
 - 5: On 01/09, I-AD adjusted to meet flow targets as directed by the Trust.
 - 6: On 01/20, I-E, I-M, I-N, I-O, I-R, I-S and I-Y adjusted to meet flow targets as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

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 (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)
01/01/24	0.19	1711.29	0.50	1709.37	4.4	1720.13	5.1	1711.22	2.8	1708.47	1.0	< 1714.00	1.1	1718.60	1.1	1717.71	0.51	1713.41	1.4	1709.39
01/02/24	0.19	1711.29	0.50	1709.37	4.4	1720.13	5.1	1711.22	2.8	1708.48	1.0	< 1714.00	1.1	1718.64	1.1	1717.74	0.52	1713.31	1.4	1709.38
01/03/24	0.19	1711.29	0.50	1709.36	4.4	1720.14	5.1	1711.21	2.8	1708.48	1.0	< 1714.00	1.1	1718.68	1.2	1717.76	0.52	1713.40	1.4	1709.38
01/04/24	0.19	1711.29	0.50	1709.39	4.4	1720.13	5.1	1711.21	2.8	1708.47	1.0	< 1713.39	1.1	1718.70	1.2	1717.72	0.53	1713.20	1.4	1709.43
01/05/24	0.19	1711.29	0.50	1709.38	4.4	1720.12	5.1	1711.21	2.8	1708.47	1.0	< 1713.39	1.1	1718.72	1.2	1717.72	0.53	1713.14	1.4	1709.43
01/06/24 ²	0.19	1711.29	0.50	1709.35	4.3	1720.14	5.1	1711.28	2.8	1708.53	1.0	< 1713.39	1.0	1718.97	1.2	1717.77	0.48	1713.31	1.4	1709.46
01/07/24	0.19	1711.29	0.50	1709.45	4.4	1720.15	5.2	1711.22	2.8	1708.48	1.0	< 1713.39	0.86	1719.29	1.2	1717.83	0.46	1713.64	1.4	1709.45
01/08/24	0.19	1711.29	0.49	1709.45	4.4	1720.12	5.1	1711.22	2.8	1708.44	1.0	< 1712.84	0.82	1719.39	1.2	1717.83	0.48	1713.54	1.4	1709.54
01/09/24	0.19	1711.29	0.50	1709.37	4.4	1720.12	5.2	1711.19	2.8	1708.46	1.0	< 1712.84	0.80	1719.48	1.2	1717.85	0.47	1716.30	1.4	1709.53
01/10/24	0.19	1711.29	0.50	1709.37	4.4	1720.14	5.2	1711.18	2.8	1708.46	1.0	< 1712.84	0.79	1719.55	1.1	1718.02	0.46	1719.41	1.4	1709.54
01/11/24	0.19	1711.29	0.50	1709.49	4.4	1720.14	5.2	1711.18	2.8	1708.45	1.0	< 1712.84	0.77	1719.61	0.84	1718.51	0.46	1719.41	1.4	1709.56
01/12/24	0.19	1711.29	0.49	1709.41	4.4	1720.12	5.1	1711.18	2.8	1708.44	1.0	< 1712.84	0.77	1719.64	0.86	1718.63	0.47	1719.33	1.4	1709.55
01/13/24	0.19	1711.29	0.50	1709.40	4.4	1720.12	5.2	1711.18	2.8	1708.45	1.0	< 1712.84	0.77	1719.68	0.88	1718.68	0.48	1719.33	1.4	1709.56
01/14/24	0.19	1711.30	0.50	1709.45	4.4	1720.12	5.2	1711.19	2.8	1708.45	1.0	< 1712.84	0.76	1719.73	0.88	1718.73	0.48	1719.33	1.4	1709.55
01/15/24	0.19	1711.29	0.49	1709.46	4.4	1720.12	5.1	1711.19	2.8	1708.45	1.0	< 1712.84	0.75	1719.77	0.88	1718.78	0.47	1719.33	1.4	1709.54
01/16/24	0.19	1711.30	0.49	1709.43	4.4	1720.12	5.1	1711.19	2.8	1708.45	1.0	< 1712.84	0.73	1719.82	0.85	1718.85	0.47	1719.33	1.4	1709.38
01/17/24	0.19	1711.30	0.50	1709.46	4.3	1720.13	5.2	1711.19	2.8	1708.46	1.0	< 1714.00	0.72	1719.87	0.88	1718.87	0.47	1719.36	1.4	1709.37
01/18/24	0.19	1711.30	0.49	1709.47	3.8	1720.12	5.1	1711.19	2.8	1708.44	0.99	< 1714.01	0.72	1719.89	0.89	1718.87	0.47	1719.34	1.4	1709.37
01/19/24	0.19	1711.30	0.50	1709.45	3.7	1720.12	5.1	1711.19	2.8	1708.45	0.98	1714.34	0.71	1719.92	0.89	1718.89	0.47	1719.35	1.4	1709.36
01/20/24	0.19	1711.30	0.50	1709.41	3.7	1720.13	5.2	1711.19	2.8	1708.46	0.97	1714.63	1.0	1719.21	1.1	1718.48	0.54	1718.66	1.4	1709.37
01/21/24	0.19	1711.30	0.50	1709.33	3.9	1720.12	5.1	1711.19	2.8	1708.46	0.95	1714.09	2.1	1716.61	1.8	1715.96	0.64	1717.00	1.4	1709.37
01/22/24	0.19	1711.30	0.49	1709.31	4.2	1720.12	5.1	1711.19	2.8	1708.46	0.95	< 1714.00	2.0	1716.45	1.8	1715.21	0.60	1718.08	1.4	1709.35
01/23/24	0.19	1711.30	0.49	1709.35	4.4	1720.11	5.1	1711.19	2.8	1708.44	0.95	< 1714.00	2.0	1716.38	1.8	1714.84	0.61	1718.00	1.4	1709.34
01/24/24	0.19	1711.30	0.49	1709.33	4.4	1720.11	5.1	1711.20	2.8	1708.45	0.95	< 1714.00	1.9	1716.38	1.7	1714.62	0.60	1717.96	1.4	1709.34
01/25/24	0.19	1711.30	0.49	1709.33	4.4	1720.11	5.1	1711.20	2.8	1708.45	0.95	< 1714.00	1.9	1716.36	1.7	1714.46	0.59	1718.09	1.4	1709.34
01/26/24	0.19	1711.30	0.49	1709.36	4.4	1720.10	5.1	1711.20	2.8	1708.45	0.95	< 1713.80	1.9	1716.32	1.7	1714.34	0.59	1718.01	1.4	1709.33
01/27/24	0.19	1711.30	0.49	1709.32	4.4	1720.10	5.1	1711.20	2.8	1708.43	0.95	< 1713.80	1.9	1716.28	1.7	1714.21	0.59	1717.97	1.4	1709.33
01/28/24	0.19	1711.30	0.49	1709.31	4.3	1720.10	5.1	1711.20	2.8	1708.45	0.95	< 1713.80	1.9	1716.25	1.7	1714.15	0.60	1717.89	1.4	1709.33
01/29/24	0.19	1711.30	0.49	1709.32	4.0	1720.10	5.1	1711.20	2.8	1708.46	0.95	< 1713.80	1.9	1716.21	1.7	1714.08	0.62	1717.55	1.4	1709.33
01/30/24	0.19	1711.30	0.49	1709.32	3.7	1720.10	5.1	1711.20	2.8	1708.47	0.95	< 1713.80	1.9	1716.19	1.7	1714.04	0.61	1717.76	1.4	1709.33
01/31/24	0.19	1711.30	0.49	1709.30	3.8	1720.11	5.1	1711.20	2.8	1708.47	0.95	< 1713.80	1.9	1716.19	1.7	1714.01	0.60	1717.98	1.4	1709.33
Monthly Average	0.19	1711.30	0.50	1709.38	4.2	1720.12	5.1	1711.20	2.8	1708.46	0.99	< 1713.58	1.3	1718.28	1.3	1716.94	0.53	1717.15	1.4	1709.42
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	520	1/9/2024	640	1/9/2024	330	1/9/2024	310	1/9/2024	200	1/9/2024	230	1/8/2024	520	1/8/2024	500	1/8/2024	580	1/9/2024	580	1/9/2024
Hexavalent Chromium	13	1/9/2024	12	1/9/2024	5.9	1/9/2024	3.1	1/9/2024	2.3	1/9/2024	1.3	1/8/2024	4.9	1/8/2024	6.7	1/8/2024	10	1/9/2024	11	1/9/2024
Total Chromium	13	1/9/2024	11	1/9/2024	6.0	1/9/2024	3.1	1/9/2024	2.3	1/9/2024	2.0	1/8/2024	4.9	1/8/2024	6.6	1/8/2024	10	1/9/2024	10	1/9/2024

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 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.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 01/06, IWF offline due to maintenance.
 6: On 01/20, I-E, I-M, I-N, I-O, I-R, I-S and I-Y adjusted to meet flow targets as directed by the Trust.
 7: On 01/04, I-L, I-W, I-Y, and I-Z water level measured manually due to water level dropping below transducer level.
 8: On 01/07, I-L water level measured manually due to water level dropping below transducer level.
 9: On 01/26, I-L, I-V, I-W, and I-Y water level measured manually due to water level dropping below transducer level.

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 (gpm)	Water Elevation (ft amsl)	Flow ⁶ (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 ^{9 10 11} (gpm)	Water Elevation (ft amsl)	Flow ^{9 10 11} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{6 7 9} (gpm)	Water Elevation (ft amsl)	Flow ^{7 10} (gpm)	Water Elevation (ft amsl)
01/01/24	0.35	1714.52	1.1	1715.83	1.0	1713.37	0.61	1707.64	0.66	1707.67	3.9	1710.00	0.51	< 1701.55	2.6	1704.65	1.1	< 1700.99	6.4	1710.13
01/02/24	0.35	1714.52	1.1	1715.85	1.0	1713.44	0.61	1707.64	0.66	1707.67	3.9	1710.00	0.51	< 1701.55	2.6	1704.91	1.1	< 1700.99	6.5	1710.13
01/03/24	0.35	1714.52	1.1	1715.59	0.99	1713.60	0.62	1707.64	0.67	1707.67	3.9	1710.00	0.51	< 1701.55	2.6	1704.98	1.1	< 1700.99	6.5	1710.13
01/04/24	0.35	1714.52	1.1	1715.47	0.99	1713.54	0.61	1707.64	0.67	1707.67	3.9	1710.01	0.51	< 1701.52	2.6	1704.91	1.1	< 1701.07	6.3	1710.16
01/05/24	0.35	1714.52	1.2	1715.58	1.0	1713.57	0.61	1707.64	0.66	1707.67	3.9	1710.00	0.51	< 1701.52	2.6	1704.95	1.2	< 1701.07	6.3	1710.16
01/06/24 ²	0.35	1714.52	1.1	1716.29	0.81	1715.31	0.62	1707.65	0.67	1707.68	3.9	1710.14	0.51	< 1701.52	2.6	1706.40	1.1	1708.52	6.2	1710.16
01/07/24	0.36	1714.52	1.1	1716.91	0.62	1717.31	0.62	1707.64	0.67	1707.67	3.9	1710.01	0.52	< 1701.52	2.5	1707.67	0.97	1713.78	6.2	1710.16
01/08/24	0.35	1714.52	1.1	1716.24	0.62	1717.58	0.61	1707.64	0.66	1707.67	3.9	1710.00	0.51	< 1701.52	2.6	1707.33	0.93	1714.63	6.2	1710.16
01/09/24	0.35	1714.52	1.1	1715.48	0.58	1717.99	0.61	1707.64	0.67	1707.64	3.9	< 1708.26	0.51	< 1701.60	2.5	1708.57	0.93	1714.97	6.3	1710.16
01/10/24	0.36	1714.52	1.1	1715.37	0.55	1718.22	0.62	1707.64	0.67	1707.62	3.9	< 1708.26	0.52	< 1701.60	2.5	1708.58	0.94	1714.87	6.4	1710.39
01/11/24	0.35	1714.52	1.1	1715.42	0.52	1718.38	0.61	1707.64	0.66	1707.62	3.9	< 1708.26	0.51	< 1701.60	2.5	1709.23	0.93	1714.97	6.3	1710.34
01/12/24	0.35	1714.52	1.1	1715.47	0.53	1718.37	0.61	1707.64	0.66	1707.62	3.9	< 1708.26	0.51	< 1701.60	2.5	1710.02	0.95	1714.83	6.3	1710.29
01/13/24	0.35	1714.52	1.1	1715.39	0.53	1718.39	0.61	1707.64	0.66	1707.63	3.9	< 1708.26	0.51	< 1701.60	2.5	1710.53	0.96	1714.68	6.3	1710.26
01/14/24	0.36	1714.52	1.1	1715.34	0.52	1718.45	0.61	1707.64	0.66	1707.63	3.9	< 1708.26	0.51	< 1701.60	2.5	1710.87	0.97	1714.62	6.3	1710.24
01/15/24	0.35	1714.52	1.1	1715.38	0.45	1718.75	0.61	1707.64	0.67	1707.63	3.9	< 1708.26	0.51	< 1701.60	2.5	1711.16	0.93	1715.01	6.3	1710.24
01/16/24	0.36	1714.52	1.2	1715.36	0.41	1718.94	0.61	1707.64	0.67	1707.63	3.9	< 1708.26	0.51	< 1701.60	2.5	1711.63	0.97	1714.74	6.3	1710.22
01/17/24	0.36	1714.52	1.2	1715.35	0.41	1718.97	0.61	1707.64	0.67	1707.63	3.9	< 1708.26	0.51	< 1701.60	2.5	1711.75	0.98	1714.62	6.4	1710.21
01/18/24	0.36	1714.52	1.1	1715.78	0.40	1718.99	0.61	1707.64	0.66	1707.64	3.9	< 1708.34	0.51	< 1701.72	2.5	1711.87	0.98	1714.69	6.4	1710.19
01/19/24	0.36	1714.52	0.57	1719.66	0.41	1719.07	0.61	1707.64	0.67	1707.64	3.9	< 1708.34	0.51	1710.01	2.5	1712.08	0.99	1715.18	6.5	1710.18
01/20/24	0.36	1714.52	0.62	1719.49	0.59	1718.12	0.62	1707.64	0.66	1707.64	3.9	< 1708.34	0.51	1710.01	2.4	1712.31	1.1	1713.05	6.5	1710.18
01/21/24	0.36	1714.52	1.1	1715.91	1.1	1713.89	0.61	1707.64	0.66	1707.64	3.9	< 1708.34	0.51	1710.01	2.4	1711.81	1.3	< 1700.90	6.6	1710.17
01/22/24	0.35	1714.52	1.1	1714.99	1.1	1713.48	0.61	1707.64	0.66	1707.65	3.9	< 1708.34	0.50	1710.01	2.4	1710.79	1.2	< 1705.00	6.5	1710.17
01/23/24	0.35	1714.52	1.2	1714.13	1.1	1713.29	0.61	1707.64	0.66	1707.65	3.9	< 1708.34	0.50	1710.01	2.4	1709.65	1.2	< 1705.00	6.3	1710.17
01/24/24	0.35	1714.52	1.2	1714.20	1.1	1713.17	0.61	1707.64	0.65	1707.65	3.9	< 1708.34	0.50	1710.01	2.4	1708.59	1.2	< 1705.00	6.3	1710.16
01/25/24	0.35	1714.52	1.2	1714.08	1.1	1713.12	0.61	1707.64	0.65	1707.65	3.9	< 1708.34	0.50	1710.01	2.4	1708.13	1.2	< 1705.00	6.3	1710.17
01/26/24	0.35	1714.52	1.2	1713.94	1.1	1713.11	0.61	1707.64	0.64	1707.65	3.9	< 1708.42	0.50	< 1701.53	2.4	1707.95	1.2	< 1700.96	6.4	1710.17
01/27/24	0.35	1714.52	1.1	1714.08	1.1	1713.05	0.61	1707.64	0.65	1707.65	3.9	< 1708.42	0.50	< 1701.53	2.3	1707.84	1.2	< 1700.96	6.3	1710.18
01/28/24	0.35	1714.52	1.1	1713.95	1.1	1713.00	0.61	1707.64	0.65	1707.65	3.9	< 1708.42	0.50	< 1701.53	2.3	1707.77	1.2	< 1700.96	6.4	1710.18
01/29/24	0.35	1714.52	1.1	1713.89	1.0	1713.03	0.61	1707.64	0.65	1707.66	3.9	< 1708.42	0.50	< 1701.53	2.3	1707.45	1.2	< 1700.96	6.4	1710.18
01/30/24	0.35	1714.52	1.1	1713.99	1.0	1713.45	0.61	1707.64	0.65	1707.66	3.9	< 1708.42	0.50	< 1701.53	2.3	1707.37	1.2	< 1700.96	6.4	1710.21
01/31/24	0.35	1714.52	1.2	1713.66	0.97	1713.73	0.61	1707.64	0.66	1707.66	3.9	< 1708.42	0.50	< 1701.53	2.3	1707.50	1.2	< 1700.96	6.6	1710.21
Monthly Average	0.35	1714.52	1.1	1715.42	0.79	1715.70	0.61	1707.64	0.66	1707.65	3.9	< 1708.77	0.51	1703.47	2.5	1708.69	1.1	1708.03	6.4	1710.20
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	820	1/9/2024	550	1/8/2024	250	1/8/2024	690	1/9/2024	740	1/9/2024	520	1/9/2024	560	1/9/2024	575	1/8/2024	250	1/8/2024	140	1/9/2024
Hexavalent Chromium	16	1/9/2024	0.77	1/8/2024	1.5	1/8/2024	14	1/9/2024	13	1/9/2024	7.5	1/9/2024	10	1/9/2024	9.0	1/8/2024	1.2	1/8/2024	3.9	1/9/2024
Total Chromium	15	1/9/2024	0.82	1/8/2024	1.5	1/8/2024	13	1/9/2024	13	1/9/2024	12	1/9/2024	10	1/9/2024	9.1	1/8/2024	1.3	1/8/2024	3.9	1/9/2024

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 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.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 01/06, IWF offline due to maintenance.
 6: On 01/20, I-E, I-M, I-N, I-O, I-R, I-S and I-Y adjusted to meet flow targets as directed by the Trust.
 7: On 01/04, I-L, I-W, I-Y, and I-Z water level measured manually due to water level dropping below transducer level.
 9: On 01/26, I-L, I-W, I-Y, and I-Z water level measured manually due to water level dropping below transducer level.
 10: On 01/09, I-V, I-W, and I-Z water level measured manually due to water level dropping below transducer level.
 11: On 01/18, I-V and I-W water level measured manually due to water level dropping below transducer level.
 12: Duplicates taken on 01/08/2024 of well I-X; average of both values is presented and used for calculations.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																							
Date	LS #2	Chromium Treatment Subsystem Effluent ¹				GW-11 Influent ¹				Unit 4 Influent ¹					FBR Plant Influent ¹								
		Flow (gpm)	Flow ^{3,4,5} (gpm)	TA - Cr (TR) (mg/L)	PA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow (gpm)	TA - Cr (TR) (mg/L)	PA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow (gpm)	PA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	TA - ClO ₂ (mg/L)	TA - NO ₂ - N (mg/L)	Flow (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₂ (mg/L)	TA - NO ₂ - N (mg/L)	TA - Cr (TR) (mg/L)	PA - Cr (VI) (mg/L)	
01/01/24	817	56				0.13				3.8					944		46						
01/02/24	813	56				0.17				3.8					906		48						
01/03/24	807	56	0.75	0.00015 J	410	0.20				3.5					901		37			8.5	0.086	0.034	
01/04/24	826	55				0.18				3.1	0.02	540	4300	ND	923		37						
01/05/24	827	55				0.19				3.7					996		39						
01/06/24	811	31				0.22				2.3					959	47	32						
01/07/24	813	39				0.22				1.9					908		34						
01/08/24	833	51				0.26				1.1					908		36						
01/09/24	832	50				0.28				0.0					945		23						
01/10/24	808	51				0.24				0.1					1028		29		3.0	0.20	0.072		
01/11/24	795	30				0.24				0.0					1015		36	77					
01/12/24	786	28	0.26	0.00032 J	380	0.29				0.0	4.5	390	1100	30	1040		31						
01/13/24	793	30				0.25				0.4					1102	43	36						
01/14/24	794	30				0.21				0.0					1034		33						
01/15/24	800	49				0.23				0.0					995		36						
01/16/24	801	53				0.20				0.0					909		38						
01/17/24	795	35				0.00	0.054	0.054	28	0.0					831		32		6.7	0.077	ND		
01/18/24	806	59	0.0046 J	0.00027 J	370	0.17				0.0	4.5	380	1300	29	1077		34						
01/19/24	809	60				0.14				0.0					1082		33						
01/20/24	811	60				0.12				0.0					1219	44	34						
01/21/24	813	60				0.00				0.0					873		37						
01/22/24	817	60				0.15				0.1					972		44						
01/23/24	805	55				0.13				0.1					924		44						
01/24/24	810	56	ND	0.00033 J	390	0.15				1.9	4.4	370	1100	27	960		46		7.8	0.099	0.036		
01/25/24	819	62				0.11				2.0					1061		44						
01/26/24	831	57				0.12				2.0					1206		41						
01/27/24	838	59				0.14				2.9					1173	46	43						
01/28/24	840	51				0.10				2.0					1110		42						
01/29/24	844	56				0.08				3.0					926		48						
01/30/24	850	60				0.08				2.8					960		44						
01/31/24	854	60	1.0	0.00030 J	380	0.07				2.8	4.5	360	940 J	31	1190		43		8.3	0.084	0.039		
Monthly Average ²	816	51	0.33	0.00027	387	0.16	0.054	0.054	28	1.4	2.2	41	2647	15	1002	45	38	77	6.7	0.11	0.036		

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.
 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 (ClO₂ = 0.5 µg/L; ClO₃ = 10 µg/L; NO₂-N = 0.055 mg/L; Cr(VI) = 0.25 µg/L).
- 1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data, PA = Pace Analytical data.
- 2: All average concentrations reported are monthly flow weighted averages.
- 3: On 01/01, Chromium Treatment System Effluent flow meter offline due to maintenance; Calculated flows are presented for this date.
- 4: On 01/06, 01/12 and 01/17, Chromium Treatment Subsystem Effluent diverted to GW-11 Pond.
- 5: From 01/10 to 01/14, Chromium Treatment Subsystem Effluent pump malfunctioned.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics														
Date	1st Stage FBR ⁶			2nd Stage FBR ⁶			FBR Plant Effluent ¹							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁷ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₂ (mg/L)	TA - Cr (TR) (mg/L)	PA - Cr (VI) (mg/L)	TA - NO ₂ - N (mg/L)	ETI - Turbidity (NTU)
01/01/24	1005	6.6	-336	1005	6.7	-416	934		0.0					13
01/02/24	1023	6.7	-320	1023	6.7	-410	930		0.0					18
01/03/24	979	6.5	-383	979	6.7	-417	920		0.0		0.017	ND	ND	14
01/04/24	1709	6.8	-363	1709	6.7	-417	909		0.0					11
01/05/24	981	6.8	-383	981	6.7	-364	955		0.0					17
01/06/24	937	6.9	-421	937	6.9	-378	916	ND	0.0					12
01/07/24	1001	6.7	-163	1001	6.8	-338	893		0.8					19
01/08/24	953	6.5	-389	953	6.7	-358	890		0.5					12
01/09/24	1008	6.8	-429	1008	6.9	-384	912		0.0					20
01/10/24	1063	6.8	-367	1063	6.8	-365	880		0.0		0.014	0.00091	ND	20
01/11/24	1047	6.8	-317	1047	6.8	-372	933		0.0	0.016				14
01/12/24	1047	6.8	-349	1047	6.8	-370	974		0.0					18
01/13/24	1078	6.9	-395	1078	6.8	-380	965	ND	0.0					28
01/14/24	1083	6.8	-368	1083	6.8	-367	980		0.0					18
01/15/24	1066	6.9	-377	1066	6.9	-375	981		0.0					11
01/16/24	975	6.9	-397	975	6.9	-359	864		0.0					14
01/17/24	1010	6.9	-392	1010	6.8	-349	763		0.0		0.012	ND	ND	6.0
01/18/24	1078	6.9	-379	1078	6.9	-353	982		1.1					5.0
01/19/24	1117	6.9	-368	1117	6.8	-363	989		0.0					12
01/20/24	1047	6.9	-387	1047	6.8	-357	995	ND	0.0					10
01/21/24	1019	6.8	-387	1019	6.8	-359	989		0.0					14
01/22/24	959	6.8	-362	959	6.8	-364	965		0.0					22
01/23/24	992	6.9	-412	992	6.8	-361	900		0.0					10
01/24/24	985	6.8	-422	985	6.7	-359	937		0.0		0.01	ND	ND	17
01/25/24	1130	6.8	-370	1130	6.8	-361	989		0.0					12
01/26/24	1104	6.9	-416	1104	6.8	-365	1002		0.0					15
01/27/24	1038	6.8	-385	1038	6.8	-358	961	ND	0.0					12
01/28/24	1004	6.9	-379	1004	6.8	-352	972		0.0					12
01/29/24	917	6.9	-359	917	6.8	-355	897		0.0					20
01/30/24	1049	6.8	-344	1049	6.8	-348	939		0.0					12
01/31/24	1090	6.7	-335	1090	6.8	-378	993		0.0		0.018	ND	ND	10
Monthly Average ²	1048	6.8	-369	1048	6.8	-370	939	ND	0.079	0.016	0.011	0.00023	ND	14

Notes:

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

ND = Not detected above laboratory method detection limit (ClO₂ = 0.5 µg/L; ClO₃ = 10 µg/L; NO₂-N = 0.055 mg/L; Cr(VI) = 0.25 µg/L).

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.

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

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

GW-11 Level Monitoring ¹		
Date	Field Measurement (ft)	Volume (MG)
01/15/24	25.7	42.2
01/31/24	26.7	41.0

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
01/09/24	8.3	359	177	98
01/23/24	2.1	242	734	140

GW-11 Composite Sample ³		
Analytes	Concentration	Units
Perchlorate	5.7	mg/L
Chlorate	1000	mg/L
Ammonia as N	0.11	mg/L
Total Phosphorus	0.016 J	mg/L
Total Dissolved Solids (TDS)	13,000	mg/L
Total Suspended Solids (TSS)	78	mg/L
pH	8.8 H	s.u.
Calcium	620	mg/L
Iron	0.29	mg/L
Chromium (total)	ND	mg/L
Chromium VI	0.0058	mg/L
Chloride	4,200	mg/L
Nitrate as N	0.28	mg/L
Sulfate	3,700	mg/L

Notes:

H = 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: November 27, 2023

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)		
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
Aug 2023	938	48	9.5	97	378	419
Sep 2023	980	51	9.7	80	370	402
Oct 2023	1,004	44	8.7	99	393	395
Nov 2023	939	50	9.4	65	321	388
Dec 2023	994	50	7.2	100	387	386
Jan 2024	1,002	45	6.7	77	328	363

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

Table 7 - AP Area Operational Metrics

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 ² (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 ^{5,6} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
01/01/24	2.0	1711.80	0.53	1710.58	0.79	1711.51	0.56	1712.70	1.0	1714.49	1.0	1715.39	1.0	1716.57	0.36	1711.63
01/02/24	2.0	1711.93	0.51	1710.65	0.78	1711.62	0.50	1712.23	0.99	1714.12	1.0	1715.70	1.0	1717.11	0.36	1711.00
01/03/24	2.0	1713.00	0.53	1710.44	0.78	1711.40	0.55	1712.20	1.0	1713.78	1.0	1716.93	0.92	1716.79	0.35	1710.98
01/04/24	1.2	1714.58	0.55	1710.49	0.83	1711.22	0.46	1715.73	1.0	1713.50	1.0	1717.50	1.1	1716.65	0.34	1711.12
01/05/24	0.75	1711.72	0.63	1710.07	0.76	1711.31	0.70	1717.20	1.2	1714.10	1.1	1718.05	0.98	1717.64	0.45	1711.73
01/06/24	0.14	1720.74	0.55	1709.84	0.86	1710.67	0.46	1716.87	0.92	1713.85	0.96	1718.00	1.1	1717.72	0.37	1710.83
01/07/24	0.10	1722.18	0.61	1710.72	0.84	1710.73	0.56	1717.17	1.0	1714.24	0.97	1718.25	1.0	1717.60	0.38	1710.50
01/08/24	0.21	1721.43	0.63	1710.34	0.85	1710.81	0.55	1716.37	1.0	1714.22	0.97	1718.05	1.0	1717.68	0.40	1710.78
01/09/24	0.30	1709.54	0.63	1709.96	0.83	1710.80	0.55	1716.39	1.0	1714.62	0.96	1717.85	0.99	1717.39	0.38	1711.02
01/10/24	0.46	1709.66	0.65	1709.84	0.85	1710.97	0.61	1716.42	1.0	1714.65	0.95	1717.93	1.0	1717.77	0.35	1711.30
01/11/24	1.9	1709.90	0.59	1710.01	0.79	1710.92	0.58	1716.57	0.98	1714.73	0.99	1718.16	0.96	1717.99	0.38	1711.32
01/12/24	2.0	1710.46	0.57	1709.73	0.89	1710.63	0.38	1717.13	1.1	1715.22	0.70	1718.02	0.88	1718.08	0.33	1712.30
01/13/24	1.9	1710.63	0.61	1709.65	0.74	1710.68	0.43	1718.04	0.87	1715.10	0.97	1718.59	0.86	1718.65	0.28	1712.35
01/14/24	2.0	1710.55	0.56	1709.69	0.83	1710.64	0.52	1717.30	0.95	1715.25	1.1	1715.67	1.2	1715.73	0.33	1712.30
01/15/24	2.0	1714.11	0.55	1710.35	0.84	1709.82	0.01	1721.51	0.94	1714.98	1.1	1715.97	1.1	1715.99	0.33	1712.93
01/16/24	2.0	1714.10	0.57	1710.38	0.79	1709.89	0.80	1712.20	0.95	1714.57	1.1	1715.25	1.1	1715.76	0.34	1712.69
01/17/24	1.9	1715.08	0.52	1710.45	0.86	1709.83	0.63	1711.38	0.67	1714.68	1.1	1715.03	1.0	1715.47	0.33	1712.33
01/18/24	2.0	1714.45	0.54	1709.48	0.81	1709.92	0.69	1711.16	0.73	1714.60	1.2	1715.05	1.1	1715.36	0.35	1712.14
01/19/24	2.2	1710.98	0.52	1709.65	0.80	1710.61	0.64	1712.39	0.82	1714.63	1.2	1714.58	1.1	1716.04	0.36	1711.91
01/20/24	2.2	1710.75	0.52	1709.63	0.81	1710.60	0.63	1712.94	0.79	1714.19	1.2	1714.52	1.1	1716.27	0.37	1712.19
01/21/24	2.2	1712.30	0.54	1710.54	0.83	1710.10	0.64	1713.64	0.75	1715.42	1.2	1713.95	1.1	1716.08	0.33	1711.78
01/22/24	2.2	1711.59	0.54	1710.62	0.82	1710.19	0.56	1713.82	0.77	1715.12	1.2	1714.08	1.1	1716.11	0.30	1712.00
01/23/24	2.2	1711.68	0.54	1710.51	0.82	1709.93	0.58	1713.83	0.78	1715.13	1.1	1714.24	1.1	1715.80	0.33	1711.97
01/24/24	2.1	1712.43	0.53	1710.01	0.79	1710.50	0.59	1714.32	0.77	1715.57	1.1	1715.73	1.0	1715.97	0.31	1711.50
01/25/24	2.2	1711.31	0.55	1709.96	0.83	1710.62	0.49	1715.20	0.77	1715.89	1.3	1715.95	1.1	1716.11	0.32	1711.32
01/26/24	2.2	1710.85	0.54	1709.72	0.81	1710.66	0.53	1717.24	0.21	1716.37	1.1	1716.94	1.1	1716.75	0.30	1712.78
01/27/24	2.2	1710.58	0.53	1709.85	0.81	1711.47	0.50	1717.10	0.89	1716.01	1.1	1716.24	1.0	1716.73	0.35	1712.96
01/28/24	2.1	1710.08	0.53	1711.26	0.80	1709.98	0.52	1717.01	0.69	1724.48	1.2	1715.62	1.1	1715.90	0.37	1711.91
01/29/24	2.1	1710.18	0.53	1709.76	0.81	1710.25	0.55	1717.20	0.06	1724.22	1.2	1715.46	1.1	1715.86	0.38	1710.82
01/30/24	2.1	1710.31	0.54	1709.55	0.81	1710.22	0.53	1717.20	0.78	1719.78	1.2	1715.45	1.1	1715.98	0.37	1710.89
01/31/24	2.1	1710.04	0.54	1709.43	0.80	1710.39	0.51	1717.59	0.68	1719.84	1.19	1715.22	1.1	1715.61	0.36	1710.71
Monthly Average	1.7	1712.55	0.56	1710.10	0.82	1710.61	0.54	1715.42	0.84	1715.72	1.1	1716.24	1.0	1716.62	0.35	1711.67
Analytical ¹	Conc ³ (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	875	1/4/2024	820	1/4/2024	370	1/4/2024	80	1/4/2024	450	1/4/2024	980	1/4/2024	940	1/4/2024	1200	1/4/2024
Hexavalent Chromium	0.095	1/11/2024	0.62	1/4/2024	0.70	1/4/2024	0.025	1/4/2024	0.027	1/4/2024	0.11	1/4/2024	0.084	1/4/2024	0.24	1/4/2024
Total Chromium	0.60	1/4/2024	0.62	1/4/2024	0.69	1/4/2024	0.024	1/4/2024	0.023	1/4/2024	0.10	1/4/2024	0.084	1/4/2024	0.24	1/4/2024

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 The flow rate at individual wells is adjusted daily to maintain the water level in the wells above the pump.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: From 01/04 to 01/09 and on 01/10, E1-1 offline due to maintenance.
 3: Duplicates taken on 1/4/2024 and on 1/11/2024 for well E1-1; average of both values is presented and used for calculations.
 4: On 01/15, E2-1 offline briefly due to maintenance.
 5: From 01/19 to 01/26, E2-2 flow meter faulted; Averaged values are presented for these dates.
 6: On 01/28, E2-2 offline due to maintenance.

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

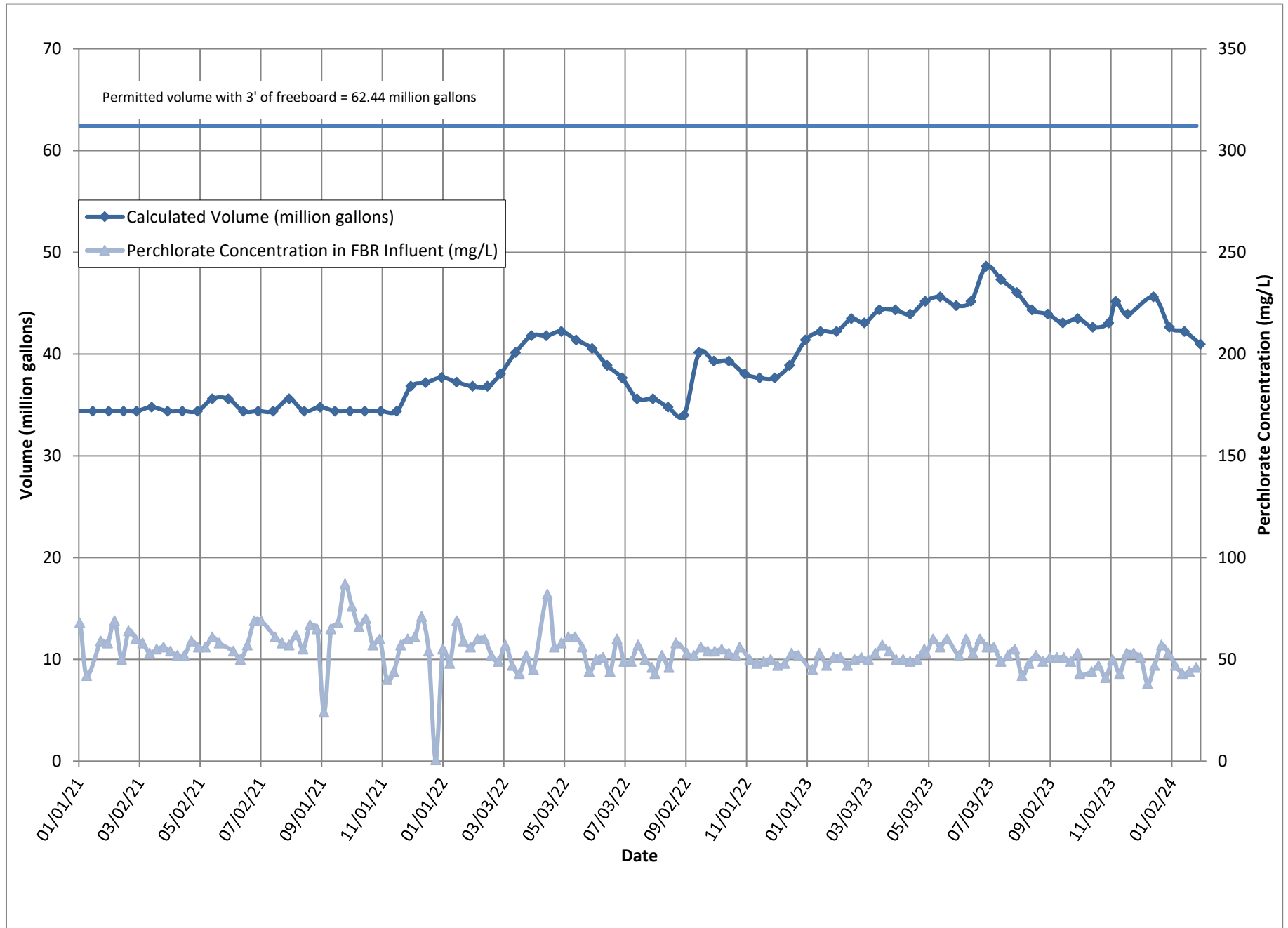


Figure 2 - FBR Equivalent Loading Calculation

