

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																			
Date	LS #1 Flow ³ (gpm)	PC-116R (East Well)		PC-99R2/R3 (Center Well)		PC-115R (West Well)		PC-117		PC-118		PC-119		PC-120		PC-121		PC-133	
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
07/01/23	476	158	1537.54	85	1542.36	125	1544.44	107	1532.94	64	1547.26	108	1548.61	49	1549.79	19	1549.93	9.8	< 1520.00
07/02/23	476	158	1537.51	85	1542.35	125	1544.44	107	1532.93	64	1547.25	108	1548.60	50	1549.79	19	1549.92	9.8	< 1520.00
07/03/23	476	158	1537.49	85	1542.35	125	1544.43	107	1532.91	64	1547.24	108	1548.60	50	1549.78	20	1549.92	9.8	< 1520.00
07/04/23	475	158	1537.54	85	1542.35	125	1544.44	107	1532.94	64	1547.23	108	1548.59	50	1549.77	19	1549.91	9.7	< 1520.00
07/05/23	476	158	1537.55	85	1542.37	125	1544.43	107	1532.93	64	1547.22	108	1548.58	50	1549.76	19	1549.90	9.7	< 1520.00
07/06/23	476	158	1537.51	85	1542.36	125	1544.42	107	1532.90	64	1547.20	108	1548.57	50	1549.76	19	1549.90	9.7	< 1520.00
07/07/23 ¹	469	156	1538.16	85	1542.57	123	1544.82	106	1533.53	63	1547.46	106	1548.88	49	1550.02	19	1550.12	9.7	< 1520.00
07/08/23	476	158	1537.85	85	1542.42	125	1544.65	107	1533.22	64	1547.35	108	1548.78	50	1549.90	20	1550.05	9.9	< 1520.00
07/09/23	476	158	1537.70	85	1542.38	125	1544.56	107	1533.11	64	1547.29	108	1548.71	50	1549.84	20	1549.99	9.8	< 1520.00
07/10/23	475	158	1537.62	85	1542.36	125	1544.51	107	1533.04	64	1547.24	108	1548.66	50	1549.80	20	1549.96	9.8	< 1520.00
07/11/23	475	158	1537.56	85	1542.34	125	1544.48	107	1533.00	64	1547.21	108	1548.63	50	1549.77	20	1549.93	9.8	< 1520.00
07/12/23	473	158	1537.83	83	1542.15	125	1544.61	107	1533.25	64	1547.29	108	1548.73	50	1549.86	20	1549.98	9.9	< 1520.00
07/13/23	476	158	1537.69	85	1542.36	125	1544.52	107	1533.08	64	1547.22	108	1548.65	50	1549.81	20	1549.92	9.8	< 1520.00
07/14/23	475	158	1537.61	85	1542.34	125	1544.48	107	1533.02	64	1547.18	108	1548.62	50	1549.78	20	1549.89	9.8	< 1520.00
07/15/23	475	158	1537.57	85	1542.33	125	1544.47	107	1532.98	64	1547.16	108	1548.61	50	1549.77	20	1549.88	9.8	< 1520.00
07/16/23	475	158	1537.53	85	1542.33	125	1544.46	107	1532.95	64	1547.15	108	1548.60	50	1549.76	20	1549.88	9.8	< 1520.00
07/17/23	453	138	1538.76	111	1542.98	110	1545.20	94	1534.72	56	1547.52	95	1549.00	43	1550.10	18	1550.10	8.6	< 1520.00
07/17/23	471	153	1538.36	92	1542.56	122	1544.97	104	1533.83	62	1547.45	105	1548.96	48	1550.06	20	1550.14	9.6	< 1520.00
07/19/23	476	158	1537.95	85	1542.37	125	1544.73	107	1533.29	64	1547.30	108	1548.81	50	1549.94	20	1550.06	9.9	< 1520.00
07/20/23	476	158	1537.84	85	1542.36	125	1544.69	107	1533.21	64	1547.26	108	1548.78	49	1549.91	20	1550.04	9.9	< 1520.00
07/21/23	476	158	1537.78	85	1542.34	125	1544.66	107	1533.16	64	1547.24	108	1548.76	49	1549.90	20	1550.03	9.9	< 1520.00
07/22/23	476	158	1537.75	85	1542.33	125	1544.64	107	1533.12	64	1547.22	108	1548.75	49	1549.89	20	1550.02	9.9	< 1520.00
07/23/23	476	158	1537.74	85	1542.32	125	1544.64	107	1533.08	64	1547.20	108	1548.73	49	1549.90	20	1550.01	9.8	< 1520.00
07/24/23	476	158	1537.71	85	1542.32	125	1544.62	107	1533.06	64	1547.18	108	1548.73	49	1549.89	20	1550.00	9.8	< 1520.00
07/25/23	476	158	1537.69	85	1542.30	125	1544.62	107	1533.04	64	1547.17	108	1548.72	49	1549.89	20	1550.00	9.8	< 1520.00
07/26/23	476	158	1537.66	85	1542.30	125	1544.61	107	1533.03	64	1547.16	108	1548.72	49	1549.89	20	1550.00	9.8	< 1520.00
07/27/23	475	158	1537.63	85	1542.28	125	1544.60	107	1533.00	64	1547.14	108	1548.71	49	1549.88	20	1550.00	9.8	< 1520.00
07/28/23	475	158	1537.61	85	1542.27	125	1544.59	107	1532.99	64	1547.13	108	1548.71	49	1549.88	20	1550.01	9.8	< 1520.00
07/29/23	474	157	1537.75	85	1542.28	125	1544.67	107	1533.14	64	1547.17	108	1548.76	49	1549.93	20	1550.05	9.8	1520.02
07/30/23	474	157	1537.89	85	1542.30	125	1544.73	106	1533.23	63	1547.21	108	1548.81	49	1549.97	20	1550.10	9.8	< 1520.00
07/31/23	476	158	1538.02	86	1542.32	125	1544.83	107	1533.34	64	1547.26	108	1548.88	49	1550.02	20	1550.15	9.9	1520.00
Monthly Average	474	157	1537.75	86	1542.37	125	1544.61	106	1533.16	63	1547.24	107	1548.72	49	1549.87	20	1549.99	9.8	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	13	7/6/2023	16	7/6/2023	8.5	7/6/2023	7.5	7/6/2023	2.4	7/6/2023	0.43	7/6/2023	0.044	7/6/2023	0.10	7/6/2023	0.97	7/6/2023	
Hexavalent Chromium	0.0061	7/6/2023	0.00025	7/6/2023	ND	7/6/2023	0.0070	7/6/2023	ND	7/6/2023	ND	7/6/2023	ND	7/6/2023	ND	7/6/2023	ND	7/6/2023	
Total Chromium	0.0030	7/6/2023	ND	7/6/2023	ND	7/6/2023	0.0062	7/6/2023	ND	7/6/2023	ND	7/6/2023	ND	7/6/2023	ND	7/6/2023	ND	7/6/2023	

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 ug/L; Cr(VI) =0.20 ug/L).
 J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 07/07, SWF wells offline due to maintenance.
 3: From 07-17 to 07/18, LS #1 offline due to maintenance.
 4: Duplicates taken on 07/06 for well PC-133; 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 (gpm)	Water Elevation (ft amsl)	Flow ³ (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 ⁵ (gpm)	Water Elevation (ft amsl)	Flow ⁶ (gpm)	Water Elevation (ft amsl)
07/01/23	393	42	1583.77	142	1583.99	21	1582.73	3.5	1578.74	37	1576.66	25	1578.96	171	1582.78	1.5	1578.85
07/02/23	393	42	1583.77	142	1583.98	21	1582.73	3.5	1578.74	37	1576.66	25	1578.96	171	1582.78	1.5	1578.85
07/03/23	393	42	1583.76	142	1583.97	21	1582.73	2.7	1581.26	37	1576.65	25	1578.96	171	1582.78	1.5	1578.85
07/04/23	394	42	1583.76	142	1583.96	21	1582.71	3.5	1582.60	37	1576.64	25	1578.95	171	1582.77	1.5	1578.85
07/05/23	393	42	1583.75	142	1583.95	21	1582.70	3.4	1582.59	37	1576.64	25	1578.95	171	1582.76	1.5	1578.85
07/06/23	393	42	1583.75	142	1583.95	21	1582.70	3.4	1582.61	37	1576.64	25	1578.95	171	1582.76	1.5	1578.88
07/07/23	393	42	1583.75	142	1583.94	21	1582.69	3.4	1582.63	37	1576.64	25	1578.95	171	1582.75	1.5	1578.90
07/08/23	392	42	1583.74	142	1583.93	21	1582.69	3.4	1582.62	37	1576.64	25	1578.95	171	1582.75	1.5	1578.89
07/09/23	392	42	1583.74	142	1583.92	21	1582.68	3.4	1582.62	37	1576.64	25	1578.95	171	1582.74	1.5	1578.89
07/10/23	392	42	1583.74	142	1583.92	21	1582.68	3.4	1580.18	37	1576.66	25	1578.95	171	1582.74	1.5	1578.89
07/11/23	388	42	1583.77	135	1584.00	21	1582.72	3.5	1578.79	37	1576.66	25	1578.95	171	1582.78	1.5	1578.89
07/12/23	392	42	1583.76	142	1583.94	21	1582.70	3.5	1578.79	37	1576.67	25	1578.95	171	1582.75	1.5	1578.89
07/13/23	392	42	1583.75	142	1583.92	21	1582.69	3.5	1578.79	37	1576.66	25	1578.95	171	1582.74	1.5	1578.89
07/14/23	392	42	1583.75	142	1583.91	21	1582.68	3.5	1578.79	37	1576.66	25	1578.95	171	1582.74	1.5	1578.89
07/15/23	392	42	1583.75	142	1583.91	21	1582.68	3.5	1578.79	37	1576.65	25	1578.95	171	1582.74	1.5	1578.89
07/16/23	392	42	1583.75	142	1583.91	21	1582.68	3.5	1578.78	37	1576.66	25	1578.95	171	1582.74	1.5	1578.88
07/17/23	392	42	1583.76	142	1583.91	21	1582.68	3.5	1578.78	37	1576.64	25	1578.95	171	1582.74	1.5	1578.88
07/18/23	392	42	1583.76	141	1583.91	21	1582.68	3.5	1578.79	37	1576.61	25	1578.95	171	1582.73	1.5	1578.88
07/19/23	392	42	1583.77	141	1583.92	21	1582.68	3.5	1578.79	37	1576.62	25	1578.95	171	1582.74	1.5	1578.88
07/20/23	392	42	1583.78	141	1583.93	21	1582.69	3.5	1578.79	37	1576.62	25	1578.95	171	1582.76	1.5	1578.88
07/21/23	392	42	1583.79	141	1583.95	21	1582.70	3.5	1578.79	37	1576.62	25	1578.95	171	1582.77	1.5	1578.88
07/22/23	392	42	1583.80	141	1583.95	21	1582.71	3.5	1578.79	37	1576.63	25	1578.95	171	1582.78	1.5	1578.88
07/23/23	393	42	1583.81	141	1583.96	21	1582.71	3.5	1578.79	37	1576.63	25	1578.95	171	1582.78	1.5	1578.88
07/24/23	392	42	1583.82	141	1583.97	21	1582.72	3.5	1578.79	37	1576.63	25	1578.94	171	1582.79	1.5	1578.88
07/25/23	393	42	1583.83	141	1583.98	21	1582.73	3.5	1578.79	37	1576.63	25	1578.94	171	1582.80	1.5	1578.88
07/26/23	392	42	1583.84	141	1583.99	21	1582.74	3.5	1578.79	37	1576.62	25	1578.95	171	1582.80	1.5	1578.88
07/27/23	393	42	1583.85	141	1583.99	21	1582.74	3.5	1578.79	37	1576.62	25	1578.94	171	1582.81	1.5	1578.88
07/28/23	393	42	1583.86	141	1584.00	21	1582.75	3.5	1578.79	37	1576.62	25	1578.94	171	1582.81	1.5	1578.88
07/29/23	393	42	1583.87	141	1584.01	21	1582.75	3.5	1578.79	37	1576.62	25	1578.94	171	1582.82	1.5	1578.88
07/30/23 ¹	351	42	1575.17	101	1584.58	21	1582.97	3.5	1578.92	37	1576.83	25	1579.07	161	1577.71	1.5	1579.15
07/31/23	375	42	< 1565.00	114	1584.85	22	1583.10	3.7	1578.78	38	1576.61	25	1578.94	171	1584.14	1.5	1578.87
Monthly Average	390	42	1582.90	139	1584.00	21	1582.73	3.4	1579.65	37	1576.65	25	1578.95	171	1582.65	1.5	1578.89
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		24	7/6/2023	6.6	7/6/2023	160	7/6/2023	120	7/6/2023	170	7/6/2023	80	7/6/2023	47	7/6/2023	50	7/6/2023
Hexavalent Chromium		ND	7/6/2023	0.0026	7/6/2023	0.28	7/6/2023	0.19	7/6/2023	0.56	7/6/2023	0.46	7/6/2023	0.057	7/6/2023	0.052	7/6/2023
Total Chromium		ND	7/6/2023	ND	7/6/2023	0.28	7/6/2023	0.18	7/6/2023	0.54	7/6/2023	0.44	7/6/2023	0.048	7/6/2023	0.052	7/6/2023

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 ug/L; Cr(VI) = 0.25 ug/L).
 ART-1, 2, 3, 4, 7B, and 8 have adjacent recovery wells, both of which can be used for extraction. The pumping well can be chosen manually or automatically, based on operational considerations.
 The wells with transducers are ART-1, -2, -3, -4, -7A, -8, -9, and PC-150
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 7/30, AWF offline due to maintenance.
 3: On 07/03 and from 07/30 to 07/31, ART-2 switched to ART-2A
 4: From 07/03 to 07/10, ART-4 switched to ART-4A
 5: Duplicates taken on 07/06 for well ART-8/8A; average of both values is presented and used for calculations.
 6: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 07/01 to 07/31 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 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 ² (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{4,5} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow ^{8,9} (gpm)	Water Elevation (ft amsl)	Flow ¹⁰ (gpm)	Water Elevation (ft amsl)
07/01/23	0.19	1716.22	0.86	1707.67	0.0	1718.65	0.0	1723.15	0.69	1720.13	0.34	1709.83	2.5	1708.74	1.1	1705.66	1.1	1709.66	2.1	1709.07
07/02/23	0.19	1716.26	0.85	1707.67	0.0	1718.63	0.0	1723.15	0.69	1720.13	0.35	1709.79	2.5	1708.74	1.1	1705.66	1.1	1709.91	2.1	1709.05
07/03/23	0.19	1716.19	0.85	1707.67	0.0	1718.62	0.0	1723.14	0.69	1720.11	0.37	1709.82	2.4	1708.74	1.1	1705.66	1.0	1710.18	2.1	1709.07
07/04/23	0.19	1716.08	0.85	1707.67	0.0	1718.60	0.0	1723.13	0.69	1720.10	0.37	1709.88	2.4	1708.74	1.1	1705.66	1.0	1710.39	2.1	1709.05
07/05/23	0.20	1715.91	0.85	1707.67	0.0	1718.58	0.0	1723.13	0.69	1720.09	0.34	1709.89	2.5	1708.73	1.1	1705.66	1.1	1710.49	2.1	1709.04
07/06/23	0.20	1715.85	0.85	1707.68	0.0	1718.57	0.0	1723.13	0.70	1720.06	0.36	1709.86	2.4	1708.73	1.1	1705.80	1.1	1710.26	2.0	1709.04
07/07/23	0.20	1715.77	0.84	1707.69	0.0	1718.55	0.0	1723.13	0.70	1720.05	0.34	1709.88	2.4	1708.73	1.0	1705.80	1.1	1710.07	2.0	1709.04
07/08/23	0.20	1715.84	0.84	1707.69	0.0	1718.54	0.0	1723.12	0.70	1720.05	0.31	1709.91	2.4	1708.73	1.0	1705.80	1.1	1709.93	2.0	1709.05
07/09/23	0.20	1715.85	0.84	1707.69	0.0	1718.52	0.0	1723.10	0.70	1720.05	0.30	1709.92	2.4	1708.73	1.0	1705.80	1.1	1710.06	2.0	1709.05
07/10/23	0.20	1715.77	0.84	1707.69	0.0	1718.50	0.0	1723.09	0.70	1720.04	0.30	1709.93	2.4	1708.73	1.0	1705.80	1.1	1710.07	2.0	1709.04
07/11/23	0.18	1715.93	0.84	1707.68	0.02	1718.16	0.0	1723.07	0.70	1720.05	0.29	1709.94	2.4	1708.74	1.0	1705.80	1.1	1710.01	2.0	1709.04
07/12/23	0.16	1717.44	0.84	1707.67	0.0	1718.49	0.0	1723.07	0.70	1720.04	0.30	1709.97	2.3	1708.74	1.0	1705.80	1.0	1710.03	2.0	1709.04
07/13/23	0.16	1717.75	0.83	1707.67	0.0	1718.48	0.01	1722.58	0.69	1720.09	0.30	1710.01	2.3	1708.72	1.0	1705.17	1.0	1709.73	2.0	1709.04
07/14/23	0.16	1717.81	0.83	1707.67	0.0	1718.47	0.0	1723.18	0.68	1720.12	0.32	1709.95	2.4	1708.72	1.0	1705.17	0.99	1710.54	2.0	1709.03
07/15/23	0.16	1717.84	0.83	1707.67	0.0	1718.46	0.0	1723.17	0.68	1720.13	0.32	1709.78	2.4	1708.72	1.0	1705.17	0.87	1713.93	2.0	1709.03
07/16/23	0.16	1717.85	0.83	1707.67	0.0	1718.45	0.0	1723.16	0.71	1719.93	0.30	1709.77	2.4	1708.72	1.0	1705.17	0.89	1713.96	2.0	1709.03
07/17/23	0.13	1718.62	0.83	1707.67	0.0	1718.44	0.0	1723.15	0.71	1719.92	0.31	1709.87	2.3	1708.72	1.0	1705.17	0.88	1714.07	2.0	1709.02
07/18/23	0.23	1718.39	0.83	1707.67	0.0	1718.46	0.0	1723.15	0.72	1719.86	0.31	1709.87	2.3	1708.72	1.0	1705.17	0.86	1714.25	2.0	1709.03
07/19/23	0.21	1715.27	0.83	1707.67	0.0	1718.50	0.0	1723.12	0.72	1719.84	0.31	1709.82	2.3	1708.72	1.0	1705.17	0.85	1714.26	1.9	1709.02
07/20/23	0.21	1715.27	0.83	1707.67	0.0	1718.47	0.0	1723.12	0.73	1719.74	0.29	1709.71	2.3	1708.72	1.0	1705.36	0.95	1711.91	1.9	1709.02
07/21/23	0.21	1715.27	0.83	1707.67	0.0	1718.45	0.0	1723.13	0.73	1719.74	0.27	1709.70	2.3	1708.72	1.0	1705.36	1.0	1708.86	1.9	1709.02
07/22/23	0.21	1715.27	0.83	1707.67	0.0	1718.44	0.0	1723.13	0.73	1719.74	0.28	1709.73	2.3	1708.72	1.0	1705.36	0.91	1713.44	1.9	1709.02
07/23/23	0.21	1715.27	0.83	1707.67	0.0	1718.43	0.0	1723.11	0.73	1719.74	0.29	1709.73	2.3	1708.69	1.0	1705.36	0.95	1712.29	1.9	1709.01
07/24/23	0.21	1715.27	0.83	1707.66	0.0	1718.43	0.0	1723.11	0.73	1719.73	0.30	1709.77	2.3	1708.62	1.0	1705.36	1.0	1708.46	2.0	1709.10
07/25/23	0.21	1715.26	0.83	1707.67	0.0	1718.43	0.0	1723.11	0.73	1719.73	0.28	1709.77	2.3	1708.62	1.0	1705.36	1.0	1708.64	1.9	1709.03
07/26/23	0.20	1715.27	0.83	1707.68	0.0	1718.42	0.0	1723.11	0.73	1719.72	0.32	1709.73	2.3	1708.62	1.0	1705.36	1.0	1708.70	1.9	1709.02
07/27/23	0.16	1716.33	0.83	1707.72	0.0	1718.42	0.0	1723.11	0.96	1714.73	0.33	1709.74	2.3	1708.66	0.99	1705.67	0.96	1709.95	1.8	1709.05
07/28/23	0.06	1724.03	0.83	1707.74	0.0	1718.41	0.0	1723.01	1.0	1713.64	0.34	1709.44	2.3	1708.66	0.99	1705.67	0.94	1712.78	1.8	1709.00
07/29/23	0.06	1724.98	0.82	1707.84	0.0	1718.41	0.0	1722.97	0.90	1717.32	0.34	1709.65	2.3	1708.95	1.0	1705.67	0.93	1712.95	1.8	1709.17
07/30/23	0.06	1725.02	0.83	1707.73	0.0	1718.42	0.0	1722.98	0.89	1717.47	0.34	1709.60	2.3	1708.81	1.0	1705.67	0.94	1713.19	1.8	1709.02
07/31/23	0.18	1722.60	0.83	1707.73	0.0	1718.42	0.0	1722.98	0.90	1717.36	0.34	1709.55	2.3	1708.71	1.0	1705.67	0.93	1713.46	1.8	1709.02
Monthly Average	0.18	1717.31	0.84	1707.69	0.0	1718.48	0.0	1723.09	0.74	1719.34	0.32	1709.80	2.3	1708.72	1.0	1705.51	0.99	1711.18	2.0	1709.04
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	330	7/11/2023	23	7/11/2023	43	7/11/2023	170	7/13/2023	150	7/13/2023	200	7/11/2023	370	7/13/2023	420	7/13/2023	340	7/13/2023	580	7/13/2023
Hexavalent Chromium	0.95	7/11/2023	0.050	7/11/2023	0.0011	7/11/2023	1.7	7/13/2023	1.7	7/13/2023	0.16	7/11/2023	2.6	7/20/2023	4.1	7/13/2023	5.7	7/13/2023	12	7/13/2023
Total Chromium	1.0	7/11/2023	0.075	7/11/2023	ND	7/11/2023	1.9	7/13/2023	1.8	7/13/2023	0.17	7/11/2023	2.6	7/13/2023	4.6	7/13/2023	5.7	7/13/2023	11	7/13/2023

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
 - ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 ug/L).
 - 1: Analytical results are reported from Eurofins TestAmerica.
 - 2: From 07/27 to 07/31, I-AR offline due to maintenance.
 - 3: On 07/11, I-AB online for sampling.
 - 4: On 07/06 and 07/13, I-AD offline due to maintenance
 - 5: On 07/27, I-AD, I-O, I-Q, and I-S adjusted to meet flow targets as directed by the Trust.
 - 6: On 07/06, I-D, I-L, and I-Y water level taken manually due to water level dropping below transducer level.
 - 7: On 07/20 and 07/27, I-D and I-Y water level taken manually due to water level dropping below transducer level.
 - 8: On 07/17, I-E, I-O, I-S, and I-W adjusted to meet flow targets as directed by the Trust.
 - 9: On 07/23, I-E, I-M, and I-P adjusted to meet flow targets as directed by the Trust.
 - 10: On 07/17, I-F, I-N, and I-S 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)
07/01/23	0.22	1711.29	0.54	1709.42	3.1	1720.71	5.4	1711.97	2.9	1708.70	1.1	< 1714.01	2.1	1716.09	1.7	1714.79	0.74	1720.15	1.8	1718.07
07/02/23	0.21	1711.29	0.52	1709.40	3.0	1720.70	5.4	1711.97	2.9	1708.70	1.1	< 1714.01	2.1	1716.02	1.7	1714.65	0.69	1720.14	1.8	1717.91
07/03/23	0.21	1711.29	0.46	1709.40	2.9	1720.69	5.4	1711.97	2.9	1708.69	1.1	< 1714.01	2.1	1716.04	1.6	1714.76	0.63	1720.14	1.8	1717.82
07/04/23	0.21	1711.29	0.47	1709.41	3.0	1720.68	5.4	1711.97	2.9	1708.70	1.1	< 1714.01	2.0	1716.09	1.6	1715.10	0.62	1720.14	1.8	1717.77
07/05/23	0.21	1711.29	0.49	1709.41	3.0	1720.67	5.4	1711.97	2.9	1708.70	1.1	< 1714.00	2.0	1716.21	1.6	1715.14	0.63	1720.13	1.8	1717.72
07/06/23	0.21	1711.29	0.51	1709.38	3.0	1720.66	5.4	1711.97	2.9	1708.69	1.1	< 1714.00	2.0	1716.23	1.6	1715.16	0.79	1719.84	1.8	1717.62
07/07/23	0.21	1711.30	0.51	1709.37	3.0	1720.65	5.4	1711.97	2.9	1708.70	1.1	< 1711.40	2.0	1716.24	1.6	1715.13	0.82	1719.73	1.8	1717.45
07/08/23	0.21	1711.29	0.52	1709.36	3.0	1720.64	5.4	1711.97	2.9	1708.69	1.1	< 1711.40	1.9	1716.27	1.5	1715.51	0.80	1719.69	1.8	1717.28
07/09/23	0.21	1711.29	0.50	1709.33	3.0	1720.63	5.4	1711.97	2.9	1708.68	1.1	< 1711.40	1.9	1716.26	1.5	1715.57	0.77	1719.74	1.8	1716.96
07/10/23	0.21	1711.29	0.50	1709.32	3.0	1720.62	5.4	1711.97	2.9	1708.68	1.1	< 1711.40	1.9	1716.25	1.5	1715.59	0.73	1719.76	1.8	1716.36
07/11/23	0.21	1711.29	0.49	1709.32	2.9	1720.61	5.4	1711.97	2.9	1708.67	1.1	< 1711.40	1.9	1716.26	1.5	1715.64	0.70	1719.78	1.8	1716.06
07/12/23	0.21	1711.29	0.47	1709.34	2.9	1720.60	5.4	1711.97	2.9	1708.68	1.1	< 1711.40	1.9	1716.31	1.5	1715.61	0.66	1719.80	1.8	1715.62
07/13/23	0.21	1711.29	0.47	1709.34	2.9	1720.60	5.3	1711.98	2.9	1708.68	1.1	< 1711.46	1.9	1716.31	1.5	1715.26	0.64	1719.81	1.8	1714.68
07/14/23	0.21	1711.29	0.46	1709.37	3.0	1720.59	5.3	1711.98	2.9	1708.66	1.1	< 1711.46	1.9	1716.31	1.5	1715.27	0.64	1719.81	1.8	1714.11
07/15/23	0.21	1711.28	0.45	1709.36	3.0	1720.59	5.3	1711.98	2.8	1708.66	1.1	< 1711.46	1.9	1716.35	1.5	1715.30	0.63	1719.81	1.8	1713.65
07/16/23	0.21	1711.29	0.46	1709.35	2.9	1720.58	5.3	1711.99	2.8	1708.66	1.1	< 1711.46	1.8	1716.48	1.5	1715.34	0.61	1719.81	1.8	1713.59
07/17/23	0.21	1711.28	0.45	1709.36	2.9	1720.57	5.3	1711.99	2.8	1708.66	1.1	< 1711.46	1.8	1716.46	1.6	1714.97	0.55	1719.81	1.8	1714.02
07/18/23	0.21	1711.28	0.48	1709.25	2.9	1720.56	5.3	1712.00	2.8	1708.67	0.53	1715.77	1.9	1716.12	1.7	1714.08	0.57	1719.82	1.7	1715.15
07/19/23	0.21	1711.28	0.48	1709.28	2.9	1720.56	5.3	1712.01	2.8	1708.67	0.25	1715.66	1.9	1716.24	1.7	1714.07	0.53	1719.80	1.7	1715.05
07/20/23	0.21	1711.27	0.49	1709.34	2.9	1720.55	5.3	1712.02	2.8	1708.66	0.32	< 1714.01	1.9	1716.28	1.6	1714.10	0.61	1719.44	1.7	1714.69
07/21/23	0.21	1711.27	0.48	1709.29	2.9	1720.54	5.3	1712.02	2.8	1708.66	0.31	< 1714.04	1.9	1716.32	1.6	1713.97	0.69	1719.09	1.7	1713.63
07/22/23	0.21	1711.27	0.49	1709.27	2.9	1720.53	5.3	1712.03	2.8	1708.67	0.31	< 1714.02	1.8	1716.34	1.7	1713.76	0.71	1718.92	1.7	1712.57
07/23/23	0.21	1711.27	0.48	1709.32	2.9	1720.52	5.3	1712.03	2.8	1708.66	0.30	1714.11	1.9	1716.10	1.6	1713.79	0.69	1718.91	1.7	1711.61
07/24/23	0.21	1711.27	0.48	1709.27	2.9	1720.51	5.3	1712.04	2.8	1708.68	0.30	1714.14	2.1	1715.40	1.7	1713.85	0.66	1718.89	1.7	1709.51
07/25/23	0.21	1711.27	0.48	1709.26	2.9	1720.50	5.3	1712.03	2.8	1708.67	0.30	< 1714.08	2.1	1715.47	1.6	1713.86	0.65	1718.89	1.7	1709.51
07/26/23	0.21	1711.27	0.48	1709.23	2.9	1720.50	5.3	1712.03	2.8	1708.67	0.28	1714.72	2.1	1715.52	1.5	1714.16	0.66	1718.85	1.7	1709.51
07/27/23	0.20	1711.44	0.48	1709.26	2.9	1720.51	5.3	1712.12	2.8	1708.72	0.26	1715.56	1.9	1715.88	1.5	1714.44	0.72	1717.18	1.7	1709.64
07/28/23	0.20	1711.43	0.47	1709.25	2.9	1720.51	5.3	1712.15	2.8	1708.71	0.36	< 1714.02	1.7	1716.76	1.5	1714.80	0.64	1718.52	1.7	1709.62
07/29/23	0.19	1712.31	0.48	1709.29	2.8	1720.54	5.2	1712.40	2.8	1708.86	0.34	1714.09	1.5	1717.23	1.3	1715.70	0.53	1719.50	1.7	1710.03
07/30/23	0.17	1713.36	0.47	1709.21	3.0	1720.50	5.3	1711.99	2.8	1708.62	0.32	< 1714.00	1.4	1717.53	1.2	1716.48	0.51	1719.65	1.7	1709.51
07/31/23	0.18	1713.02	0.47	1709.22	3.0	1720.48	5.3	1711.98	2.8	1708.63	0.32	< 1714.00	1.4	1717.64	1.3	1716.57	0.55	1719.63	1.7	1709.50
Monthly Average	0.21	1711.45	0.48	1709.32	2.9	1720.58	5.3	1712.01	2.8	1708.68	0.75	< 1713.29	1.9	1716.29	1.5	1714.92	0.66	1719.52	1.8	1714.07
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ¹³ (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	850	7/13/2023	620	7/13/2023	360	7/13/2023	140	7/13/2023	200	7/13/2023	220	7/11/2023	500	7/13/2023	490	7/13/2023	640	7/13/2023	560	7/13/2023
Hexavalent Chromium	16	7/13/2023	11	7/13/2023	6.2	7/13/2023	3.2	7/13/2023	2.3	7/13/2023	1.4	7/11/2023	4.9	7/13/2023	6.8	7/13/2023	9.7	7/13/2023	9.7	7/13/2023
Total Chromium	16	7/13/2023	12	7/13/2023	6.2	7/13/2023	3.3	7/13/2023	2.4	7/13/2023	1.4	7/11/2023	5.0	7/13/2023	6.8	7/13/2023	10	7/13/2023	10	7/13/2023

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 5: On 07/27, I-AD, I-O, I-Q, and I-S adjusted to meet flow targets as directed by the Trust.
 6: On 07/06, I-D, I-L, and I-Y water level taken manually due to water level dropping below transducer level.
 8: On 07/17, I-E, I-Q, I-S, and I-W adjusted to meet flow targets as directed by the Trust.
 9: On 07/23, I-E, I-M, and I-P adjusted to meet flow targets as directed by the Trust.
 10: On 07/17, I-F, I-M, I-N, and I-S adjusted to meet flow targets as directed by the Trust.
 11: On 07/18, I-L offline due to maintenance.
 12: On 07/28, I-L and I-R adjusted to meet flow targets as directed by the Trust.
 13: Duplicates taken on 07/11 for well I-L; average of both values is presented and used for calculations.
 14: On 07/06, I-O and I-S adjusted to meet flow targets as directed by the Trust.

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-Z			
	Flow ⁵ (gpm)	Water Elevation (ft amsl)	Flow ¹² (gpm)	Water Elevation (ft amsl)	Flow ^{5,8,10,14} (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 ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
07/01/23	0.20	1715.61	1.1	1714.31	0.62	1718.38	0.68	1707.66	0.73	1707.67	4.2	1717.03	0.64	1710.00	2.8	< 1698.54	1.3	< 1700.17	6.2	1710.27
07/02/23	0.20	1715.61	1.1	1714.33	0.59	1718.55	0.68	1707.66	0.72	1707.69	4.0	1716.97	0.63	1710.00	2.7	< 1698.54	1.3	< 1700.17	6.0	1710.26
07/03/23	0.20	1715.59	1.1	1714.33	0.60	1718.47	0.68	1707.66	0.74	1707.70	4.0	1716.92	0.61	1710.11	2.7	< 1698.56	1.3	< 1700.17	5.9	1710.26
07/04/23	0.20	1715.59	1.1	1714.10	0.61	1718.37	0.67	1707.66	0.74	1707.70	4.1	1716.88	0.60	1711.19	2.7	< 1698.57	1.3	< 1700.17	5.9	1710.26
07/05/23	0.19	1715.60	1.1	1714.01	0.63	1718.26	0.67	1707.66	0.73	1707.71	4.2	1716.83	0.60	1711.18	2.7	< 1698.56	1.2	< 1700.17	5.9	1710.27
07/06/23	0.20	1715.60	1.1	1714.05	1.0	1715.31	0.67	1707.66	0.72	1707.63	4.2	1716.78	0.64	1710.17	2.7	< 1698.56	1.2	< 1700.46	5.9	1710.27
07/07/23	0.20	1715.58	1.1	1714.05	1.0	1714.59	0.67	1707.66	0.73	1707.61	4.2	1716.71	0.62	1710.03	2.7	< 1698.56	1.2	< 1700.46	6.0	1710.27
07/08/23	0.20	1715.53	1.0	1714.04	1.0	1714.45	0.67	1707.66	0.73	1707.61	4.2	1716.64	0.62	1710.03	2.7	< 1698.56	1.2	< 1700.46	6.0	1710.27
07/09/23	0.20	1715.53	1.1	1713.71	1.0	1714.35	0.67	1707.66	0.74	1707.62	4.2	1716.57	0.61	1710.03	2.7	< 1698.56	1.2	< 1700.46	5.9	1710.26
07/10/23	0.20	1715.53	1.1	1713.55	1.0	1714.35	0.67	1707.66	0.73	1707.62	4.2	1716.52	0.61	1710.03	2.7	< 1698.56	1.2	< 1700.46	5.9	1710.26
07/11/23	0.20	1715.53	1.1	1713.37	1.0	1714.46	0.66	1707.66	0.72	1707.62	4.2	1716.49	0.61	1710.03	2.7	< 1698.56	1.2	< 1700.46	5.8	1710.25
07/12/23	0.20	1715.54	1.1	1713.33	1.0	1714.52	0.66	1707.66	0.72	1707.62	4.2	1716.46	0.60	1710.03	2.7	< 1698.56	1.2	< 1700.46	5.9	1710.25
07/13/23	0.20	1715.56	1.1	1713.23	1.0	1714.50	0.66	1707.65	0.72	1707.62	4.2	1716.43	0.59	1710.03	2.7	< 1698.56	1.2	< 1700.40	5.9	1710.25
07/14/23	0.19	1715.57	1.1	1713.27	1.0	1714.51	0.66	1707.65	0.73	1707.62	4.2	1716.39	0.58	1710.03	2.7	< 1698.56	1.2	< 1700.40	5.4	1710.25
07/15/23	0.19	1715.61	1.1	1713.34	1.0	1714.50	0.66	1707.65	0.73	1707.63	4.2	1716.35	0.58	1710.03	2.7	< 1698.56	1.2	< 1700.40	5.7	1710.25
07/16/23	0.19	1715.57	1.1	1713.30	1.0	1714.47	0.66	1707.65	0.73	1707.63	4.2	1716.33	0.59	1710.03	2.7	< 1698.56	1.2	< 1700.40	5.4	1710.24
07/17/23	0.20	1715.52	1.1	1713.38	1.0	1713.88	0.66	1707.65	0.72	1707.63	4.1	1716.29	0.59	1710.03	2.7	< 1698.57	1.2	< 1700.40	5.7	1710.28
07/18/23	0.20	1715.52	0.95	1715.33	1.1	1712.75	0.66	1707.65	0.72	1707.63	4.2	1716.27	0.58	1710.03	2.7	< 1698.57	1.2	< 1700.40	5.7	1710.31
07/19/23	0.20	1715.49	0.98	1715.84	1.1	1713.25	0.66	1707.65	0.72	1707.63	4.2	1716.23	0.58	1710.03	2.7	< 1698.56	1.2	< 1700.40	5.7	1710.30
07/20/23	0.20	1715.51	0.96	1715.65	1.2	1712.69	0.66	1707.65	0.71	1707.63	4.2	1716.18	0.59	1710.03	2.6	< 1698.55	1.2	< 1701.44	5.7	1710.29
07/21/23	0.19	1715.56	0.96	1714.80	1.2	1712.23	0.66	1707.65	0.72	1707.63	4.1	1716.10	0.59	1710.03	2.6	< 1698.56	1.2	< 1701.44	5.7	1710.29
07/22/23	0.19	1715.58	0.96	1714.57	1.2	1712.35	0.66	1707.65	0.71	1707.63	4.1	1716.03	0.59	1710.03	2.6	< 1698.56	1.2	< 1701.44	5.7	1710.28
07/23/23	0.19	1715.59	0.94	1714.56	1.2	1712.19	0.66	1707.65	0.71	1707.63	4.0	1715.96	0.58	1710.03	2.6	< 1698.68	1.2	< 1701.44	5.6	1710.28
07/24/23	0.18	1715.62	0.94	1714.81	1.1	1713.11	0.66	1707.65	0.72	1707.62	4.0	1715.87	0.58	1710.03	2.2	1702.00	1.2	< 1701.44	5.7	1710.28
07/25/23	0.18	1715.61	0.95	1714.73	1.1	1713.01	0.66	1707.65	0.71	1707.62	3.9	1715.81	0.58	1710.03	2.6	< 1698.76	1.2	< 1701.44	5.7	1710.28
07/26/23	0.18	1715.66	0.95	1714.73	1.1	1713.01	0.66	1707.65	0.71	1707.62	3.9	1715.75	0.58	1710.03	2.6	< 1698.77	1.2	< 1701.44	5.7	1710.27
07/27/23	0.31	1715.02	0.93	1714.86	1.2	1711.86	0.65	1707.66	0.71	1707.66	3.9	1715.78	0.57	1710.03	2.6	< 1698.88	1.2	< 1701.82	5.7	1710.28
07/28/23	0.37	1714.52	0.99	1713.84	0.89	1715.31	0.65	1707.67	0.72	1707.66	3.8	1715.81	0.57	1710.03	2.6	< 1698.86	1.2	< 1701.82	5.7	1710.20
07/29/23	0.33	1714.53	0.93	1715.23	0.73	1716.69	0.65	1707.69	0.71	1707.75	3.8	1716.08	0.58	1710.03	2.6	< 1699.17	1.2	< 1701.82	5.7	1710.32
07/30/23	0.32	1714.53	0.98	1714.97	0.67	1717.39	0.65	1707.66	0.71	1707.63	3.8	1715.85	0.58	1710.03	2.6	< 1698.72	1.2	< 1705.00	5.8	1710.00
07/31/23	0.33	1714.53	0.97	1714.84	0.66	1717.49	0.65	1707.66	0.71	1707.63	4.0	1715.64	0.58	1710.03	2.6	< 1698.71	1.2	< 1705.00	5.7	1710.00
Monthly Average	0.22	1715.42	1.0	1714.27	0.96	1714.81	0.66	1707.66	0.72	1707.64	4.1	1716.32	0.60	1710.11	2.7	1698.74	1.2	< 1701.05	5.8	1710.25
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	530	7/13/2023	580	7/11/2023	260	7/11/2023	720	7/13/2023	690	7/13/2023	520	7/13/2023	550	7/13/2023	570	7/13/2023	380	7/11/2023	160	7/13/2023
Hexavalent Chromium	13	7/13/2023	0.84	7/11/2023	1.6	7/11/2023	14	7/13/2023	13	7/13/2023	6.9	7/13/2023	9.8	7/13/2023	9.2	7/13/2023	1.3	7/11/2023	4.4	7/13/2023
Total Chromium	13	7/13/2023	0.86	7/11/2023	1.6	7/11/2023	14	7/13/2023	13	7/13/2023	6.7	7/13/2023	11	7/13/2023	9.1	7/13/2023	1.2	7/11/2023	4.3	7/13/2023

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 5: On 07/27, I-AD, I-O, I-Q, and I-S adjusted to meet flow targets as directed by the Trust.
 6: On 07/06, I-D, I-L, and I-Y water level taken manually due to water level dropping below transducer level.
 7: On 07/20 and 07/27, I-D and I-Y water level taken manually due to water level dropping below transducer level.
 8: On 07/17, I-E, I-O, I-S, and I-W adjusted to meet flow targets as directed by the Trust.
 10: On 07/17, I-F, I-M, I-N, and I-S adjusted to meet flow targets as directed by the Trust.
 12: On 07/28, I-L and I-R adjusted to meet flow targets as directed by the Trust.
 14: On 07/06, I-O and I-S adjusted to meet flow targets as directed by the Trust.

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				Unit 4 Influent ¹					FBR Plant Influent ¹						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	PA - Cr (VI) (mg/L)	TA - ClO ₄ (mg/L)	Flow (gpm)	TA - Cr (TR) (mg/L)	PA - Cr (VI) (mg/L)	TA - ClO ₄ (mg/L)	Flow (gpm)	PA - Cr (VI) (mg/L)	TA - ClO ₄ (mg/L)	TA - ClO ₃ (mg/L)	TA - NO ₂ - N (mg/L)	Flow (gpm)	TA - ClO ₄ (mg/L)	ETI - ClO ₄ (mg/L)	TA - ClO ₃ (mg/L)	TA - NO ₂ - N (mg/L)	TA - Cr (TR) (mg/L)	PA - Cr (VI) (mg/L)
07/01/23	841	60				0.0				3.7					901	56	55				
07/02/23	842	60				0.0				3.7					902		50				
07/03/23	842	60				0.0				3.7					902		51				
07/04/23	838	60				0.0				3.7					898		52				
07/05/23	841	60	0.58	0.00021 J	400	0.0				3.7	24	660	7600	15	901		52	150	9.8 H	0.11	0.049
07/06/23	842	50				0.0				3.7					891		52				
07/07/23	706	68				0.0				3.7					900		50				
07/08/23	843	60				0.0				3.8					905	56	49				
07/09/23	841	61				0.0				3.8					961		50				
07/10/23	840	58				0.0				3.7					962		50				
07/11/23	835	56				0.0				3.8					930		47				
07/12/23	801	65	0.63	0.00037 J	440	0.0				3.8	25	670	2100	18	955		42		5.2	0.10	0.021
07/13/23	840	58				6.1	0.060	0.057	28	3.7					996		43				
07/14/23	838	60				0.0				3.8					974		46				
07/15/23	838	60				0.0				3.7					973	49	42				
07/16/23	839	60				0.0				3.8					946		52				
07/17/23	786	59				0.0				2.8					995		46				
07/18/23	818	58				0.0				2.7					1024		41				
07/19/23	843	60	0.67	0.00034 J	410	0.0				3.7	23	630	2800	18	950		36		9.3 H	0.14	0.045
07/20/23	840	60				0.0				3.8					933		48				
07/21/23	842	60				0.0				3.7					920		47				
07/22/23	842	60				0.0				3.6					914	52	49				
07/23/23	844	60				0.0				2.2					950		51				
07/24/23	842	59				0.0				3.2					951		48				
07/25/23	840	60				0.0				1.0					1055		47				
07/26/23	843	60	0.41	ND	430	0.0				1.7	24	750	6400	12	974		49		8.1	0.062	0.022
07/27/23	844	60				0.0				3.3					904		52				
07/28/23	843	59				0.0				4.5					981		48				
07/29/23	809	60				0.0				3.8					897	55	59				
07/30/23	767	59				0.0				3.2					976		55				
07/31/23	845	38				0.0				2.6					1011		30				
Monthly Average ²	829	59	0.56	0.00022	420	0.20	0.06	0.057	28	3.4	24	677	4849	16	946	53	48	150	6.6	0.073	0.027

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.
 H = Sample was prepped or analyzed beyond the specified holding time
 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.
 TR = Total Recoverable.
 1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data, PA = Pace Analytical data.
 2: All average concentrations reported are monthly flow weighted averages.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics														
Date	1st Stage FBR ²			2nd Stage FBR ³			FBR Plant Effluent ¹							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁴ (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 ₃ - N (mg/L)	ETI - Turbidity (NTU)
07/01/23	937	6.6	-332	670	6.7	-292	835	NDD	ND					22
07/02/23	924	6.6	-365	717	6.8	-292	822		ND					18
07/03/23	841	6.6	-345	863	6.8	-295	827		ND					20
07/04/23	840	6.6	-347	712	6.8	-335	819		ND					15
07/05/23	793	6.7	-313	624	6.9	-330	821		ND	NDD	0.013	ND	ND H	10
07/06/23	931	6.7	-342	825	6.9	-319	860		ND					20
07/07/23	993	6.7	-344	761	7.0	-316	929		ND					4.0
07/08/23	1073	6.5	-333	860	6.9	-312	939	NDD	ND					10
07/09/23	1054	6.5	-300	913	6.8	-266	740		ND					6.0
07/10/23	987	6.8	-240	940	6.9	-293	947		ND					15
07/11/23	904	6.8	-342	856	7.0	-307	891		ND					15
07/12/23	1080	6.7	-352	893	7.1	-312	977		ND		0.023	ND	ND	24
07/13/23	1018	6.8	-334	837	7.1	-306	861		ND					10
07/14/23	1035	6.6	-319	875	7.0	-299	988		ND					15
07/15/23	1033	6.5	-284	844	6.8	-285	976	NDD	ND					18
07/16/23	1051	6.5	-305	1039	6.8	-290	665		ND					8.0
07/17/23	1026	6.5	-300	1006	6.8	-292	969		ND					8.0
07/18/23	1016	6.7	-209	915	6.9	-288	1015		ND					8.0
07/19/23	964	6.9	-213	1022	6.9	-291	957		ND		0.0082 J	ND	NDH	17
07/20/23	917	6.9	-224	1008	6.9	-298	953		ND					24
07/21/23	953	6.9	-286	876	6.9	-305	955		ND					7.0
07/22/23	928	6.6	-317	803	6.7	-305	950	0.0021	ND					26
07/23/23	1007	6.3	-277	879	6.8	-304	976		ND					2.0
07/24/23	980	6.6	-313	776	6.9	-297	985		ND					2.0
07/25/23	1072	6.7	-321	844	6.7	-380	1006		ND					2.0
07/26/23	1057	6.8	-328	772	6.7	-392	892		ND		0.012	ND	ND	8.0
07/27/23	1072	6.8	-321	844	6.6	-380	956		ND					12
07/28/23	1091	6.7	-326	790	6.6	-402	925		ND					15
07/29/23	1061	6.7	-348	753	6.6	-408	824	NDD	ND					19
07/30/23	989	6.7	-341	786	6.9	-402	938		ND					23
07/31/23	1076	6.8	-321	830	6.5	-398	632		ND					14
Monthly Average ²	990	6.7	-311	843	6.8	-320	898	0.00051	ND	ND	0.014	ND	ND	13

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.
 D = Result was obtained from the analysis of a dilution.
 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).
 H = Sample was prepped or analyzed beyond the specified holding time
 TR = Total Recoverable.
 1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data, PA = Pace Analytical data.
 2: All average concentrations reported are monthly flow weighted averages.
 3: 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.
 4: 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)
07/15/23	21.9	47.3
07/31/23	22.9	46.0

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
07/11/23	0.0	0.0	0.0	0.0
07/25/23	0.0	0.0	0.0	0.0

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

Notes:

B = Compound was found in the blank and sample.

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

HF = Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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

ND = Not detected above laboratory method detection limit (Cr(VI) = 0.25 ug/L).

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

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

3: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: May 16, 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)		
Aug 2022	911	50	11	120	429	466
Sep 2022	852	54	11	110	392	439
Oct 2022	909	54	10	110	410	422
Nov 2022	897	49	10	110	397	410
Dec 2022	897	51	10	120	413	407
Jan 2023	889	49	9	95	359	400
Feb 2023	900	50	9.0	110	386	393
Mar 2023	913	54	9.0	150	474	406
Apr 2023	917	51	8.9	130	432	410
May 2023	911	57	4.8	110	364	405
June 2023	946	57	8.9	100	400	403
July 2023	946	53	6.6	150	466	420

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

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 (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)
07/01/23	2.9	1709.57	0.79	1711.46	0.87	1711.21	0.53	1714.81	0.95	1717.06	1.2	1715.73	0.94	1717.86	0.49	1710.81
07/02/23	2.9	1709.59	0.79	1710.61	0.83	1713.42	0.56	1715.04	0.94	1716.42	1.2	1716.05	0.96	1717.80	0.51	1709.92
07/03/23	2.9	1710.43	0.78	1710.94	0.85	1712.91	0.54	1716.12	0.99	1716.60	1.2	1716.05	0.96	1718.11	0.44	1709.97
07/04/23	2.9	1710.23	0.75	1711.06	0.89	1712.79	0.57	1717.64	0.45	1716.92	1.2	1716.95	0.98	1718.61	0.49	1710.07
07/05/23	2.8	1710.08	0.82	1710.48	0.88	1712.29	0.59	1716.79	1.0	1716.29	1.2	1715.82	1.0	1716.35	0.48	1709.56
07/06/23	3.1	1709.95	0.78	1710.59	0.77	1711.87	0.59	1716.91	1.3	1716.10	0.97	1717.23	1.0	1716.58	0.48	1709.42
07/07/23	3.2	1710.28	0.75	1709.86	0.86	1711.52	0.57	1715.86	0.93	1716.50	1.1	1717.20	0.97	1716.30	0.45	1710.00
07/08/23	3.1	1710.14	0.80	1709.78	0.82	1711.80	0.54	1715.82	0.97	1715.77	0.69	1717.13	0.98	1716.55	0.45	1709.67
07/09/23	2.6	1710.42	0.77	1709.84	0.85	1711.20	0.57	1714.76	0.96	1716.62	1.9	1716.55	0.99	1717.79	0.45	1710.08
07/10/23	3.1	1709.95	0.78	1710.08	0.79	1712.22	0.53	1716.99	0.97	1716.34	0.96	1718.86	0.93	1718.90	0.47	1709.41
07/11/23	3.0	1710.07	0.60	1710.38	0.86	1712.26	0.68	1716.89	1.0	1716.06	1.1	1717.82	0.89	1716.74	0.52	1709.49
07/12/23	3.0	1709.93	0.64	1710.34	0.84	1712.05	0.56	1717.20	0.95	1715.99	1.0	1717.88	0.88	1716.55	0.47	1709.33
07/13/23	3.0	1709.94	0.65	1710.18	0.90	1712.13	0.55	1716.89	0.99	1716.21	1.1	1717.80	0.80	1716.89	0.50	1709.49
07/14/23	3.1	1710.08	0.66	1710.20	0.91	1710.81	0.55	1717.14	0.97	1715.46	1.1	1717.67	0.83	1717.05	0.50	1709.30
07/15/23	3.0	1709.98	0.61	1710.06	0.9	1711.46	0.52	1716.26	1.0	1715.31	1.2	1717.44	0.79	1717.30	0.48	1711.72
07/16/23	3.1	1710.43	0.61	1710.76	0.91	1711.71	0.54	1717.30	1.0	1716.02	1.1	1717.35	0.79	1720.11	0.47	1709.82
07/17/23	3.1	1710.11	0.68	1710.73	0.65	1711.11	0.52	1717.23	1.0	1716.09	1.1	1717.60	0.75	1720.58	0.50	1709.60
07/18/23	3.1	1709.75	0.68	1710.91	0.65	1710.16	0.52	1719.11	1.0	1715.94	1.2	1718.96	0.78	1720.55	0.48	1709.50
07/19/23	3.1	1709.92	0.68	1711.07	0.34	1714.79	0.60	1717.37	0.97	1715.89	1.2	1718.00	0.95	1718.38	0.47	1709.53
07/20/23	3.1	1709.70	0.68	1710.95	0.34	1716.97	0.60	1717.30	1.0	1715.75	1.2	1718.05	0.98	1718.51	0.49	1709.39
07/21/23	3.1	1709.91	0.75	1710.49	0.77	1711.84	0.54	1717.19	1.0	1716.31	1.4	1715.46	0.92	1719.09	0.48	1710.16
07/22/23	3.1	1710.00	0.79	1710.47	0.84	1711.76	0.52	1717.24	0.96	1716.00	1.3	1715.41	0.89	1719.00	0.45	1710.08
07/23/23	3.1	1710.48	0.87	1710.91	0.84	1711.21	0.55	1717.22	0.99	1715.23	1.4	1712.74	0.90	1719.47	0.47	1709.70
07/24/23	3.1	1714.07	0.81	1710.72	0.89	1711.74	0.56	1716.93	1.0	1715.17	1.4	1713.52	0.99	1717.74	0.46	1710.00
07/25/23	2.1	1710.04	0.70	1710.84	0.78	1712.95	0.34	1720.27	1.0	1715.50	1.4	1713.89	0.97	1717.61	0.47	1709.71
07/26/23	2.1	1709.87	0.79	1711.33	0.79	1713.23	0.59	1716.49	1.0	1715.27	1.4	1713.53	0.95	1717.18	0.50	1709.96
07/27/23	2.2	1710.02	0.66	1711.37	0.82	1713.12	0.40	1716.41	0.91	1715.02	1.3	1713.42	0.93	1717.24	0.45	1710.03
07/28/23	2.1	1710.45	0.87	1712.40	0.98	1712.46	0.38	1716.54	0.99	1715.38	1.4	1713.02	1.1	1716.94	0.43	1710.34
07/29/23	2.1	1710.22	0.84	1712.02	0.89	1712.40	0.42	1716.39	1.0	1715.24	1.3	1712.96	1.0	1716.48	0.49	1710.48
07/30/23	2.2	1710.23	0.67	1709.86	0.91	1711.70	0.38	1720.05	0.99	1716.02	1.3	1713.51	0.95	1717.64	0.50	1710.16
07/31/23	2.1	1710.07	0.78	1709.95	0.91	1711.57	0.37	1719.84	1.0	1715.74	1.3	1714.42	0.95	1717.81	0.50	1709.70
Monthly Average	2.8	1710.19	0.74	1710.67	0.81	1712.22	0.52	1717.03	0.98	1715.95	1.2	1716.07	0.93	1717.86	0.48	1709.88
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	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
Perchlorate	450	7/10/2023	810	7/10/2023	335	7/10/2023	62	7/10/2023	340	7/10/2023	820	7/10/2023	810	7/10/2023	1,100	7/10/2023
Hexavalent Chromium	0.096	7/10/2023	0.62	7/10/2023	0.73	7/10/2023	0.026	7/10/2023	0.027	7/10/2023	0.096	7/10/2023	0.083	7/10/2023	0.25	7/10/2023
Total Chromium	0.095	7/10/2023	0.61	7/10/2023	0.72	7/10/2023	0.024	7/10/2023	0.024	7/10/2023	0.096	7/10/2023	0.081	7/10/2023	0.26	7/10/2023

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 The flow rate at individual wells is adjusted daily to maintain the water level in the wells above the pump.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: From 07/22 to 07/24, E1-1 totalizer failed; average values are presented for this period.
 3: Duplicates taken on 07/10 for well E1-3 average of both values is presented and used for calculations.

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

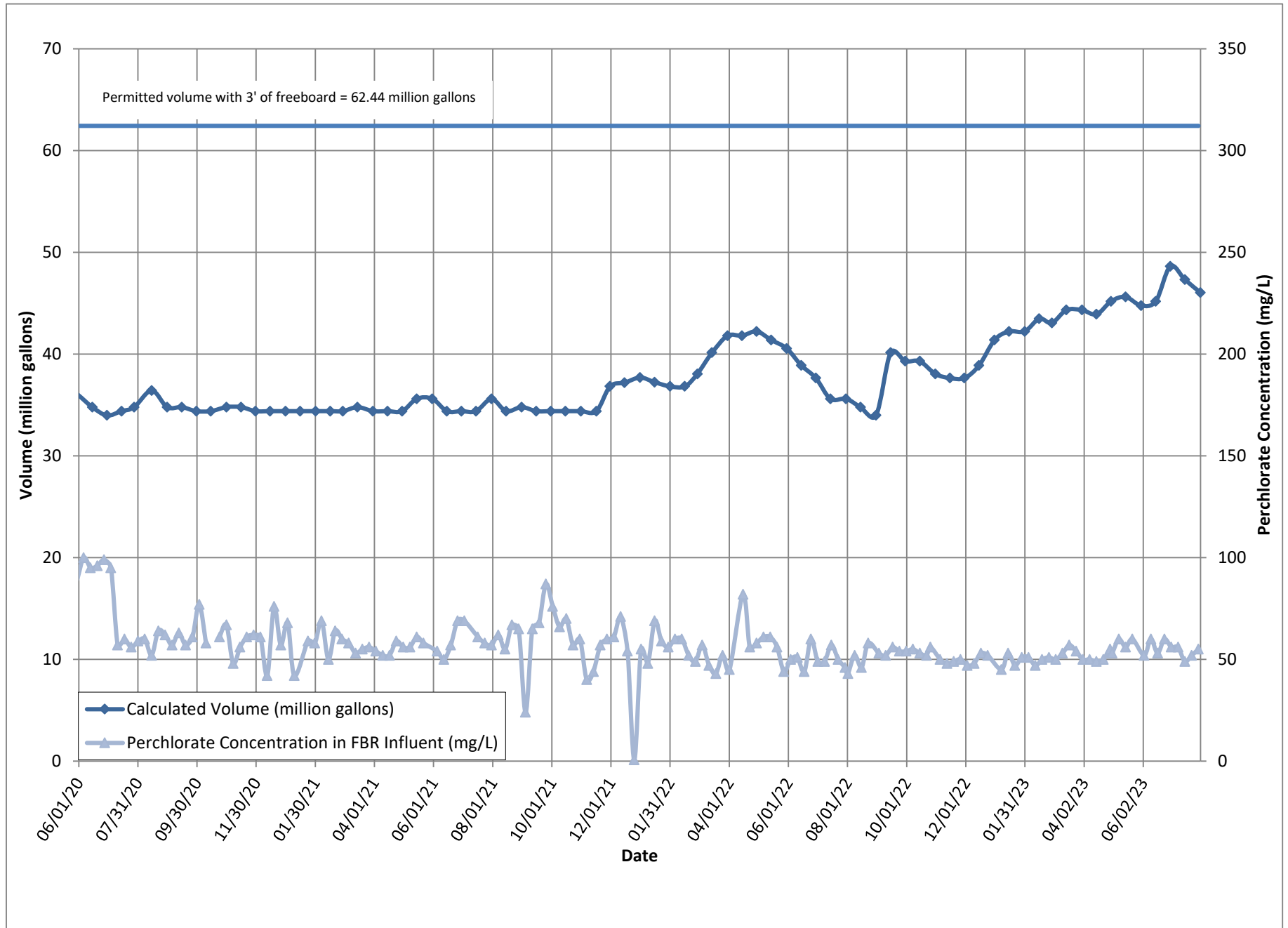


Figure 2 - FBR Equivalent Loading Calculation

