

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																					
Date	LS #1 Flow ² (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 ⁴ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)		
09/01/23	485	159	1540.56	91	1543.04	127	1548.08	107	1535.43	64	1549.43	109	1551.73	50	1548.97	20	1553.12	10	< 1520.00		
09/02/23	485	159	1540.80	91	1543.12	128	1548.28	107	1535.65	64	1549.59	109	1551.93	50	1548.96	20	1553.32	10	< 1520.00		
09/03/23	486	159	1540.92	92	1543.16	128	1548.41	108	1535.76	64	1549.68	109	1552.06	50	1548.96	20	1553.45	10	< 1520.00		
09/04/23	486	159	1540.96	92	1543.18	128	1548.47	108	1535.80	64	1549.71	109	1552.11	50	1548.96	20	1553.49	10	< 1520.00		
09/05/23	486	159	1540.98	92	1543.19	128	1548.49	108	1535.83	64	1549.73	109	1552.13	50	1543.08	20	1553.52	10	< 1520.00		
09/06/23	486	159	1540.99	92	1543.20	128	1548.50	108	1535.83	64	1549.72	109	1552.13	50	1553.18	20	1553.51	10	< 1520.00		
09/07/23	486	159	1540.98	92	1543.20	128	1548.50	108	1535.83	64	1549.71	109	1552.13	50	1553.17	20	1553.51	10	< 1520.00		
09/08/23	486	159	1540.98	92	1543.20	128	1548.51	108	1535.82	64	1549.71	109	1552.13	50	1553.17	20	1553.51	10	< 1520.00		
09/09/23	486	159	1540.99	92	1543.21	128	1548.53	108	1535.84	64	1549.72	109	1552.16	50	1553.20	20	1553.54	10	< 1520.00		
09/10/23	486	159	1541.00	92	1543.22	128	1548.56	108	1535.85	64	1549.74	109	1552.19	50	1553.23	20	1553.57	10	< 1520.00		
09/11/23	486	159	1541.04	92	1543.24	128	1548.61	108	1535.88	64	1549.77	109	1552.24	50	1553.29	20	1553.63	10	< 1520.00		
09/12/23	486	159	1541.16	92	1543.27	128	1548.69	108	1535.96	64	1549.83	109	1552.32	50	1553.36	20	1553.71	10	< 1520.00		
09/13/23	487	159	1541.31	92	1543.35	128	1548.84	108	1536.08	64	1549.97	109	1552.53	23	1554.14	20	1553.93	10	< 1520.00		
09/14/23	487	159	1541.36	92	1543.39	128	1548.93	108	1536.13	64	1550.04	109	1552.63	27	1537.72	20	1554.03	10	< 1520.00		
09/15/23	487	159	1541.37	92	1543.40	128	1548.94	108	1536.14	64	1550.02	109	1552.57	55	< 1525.00	20	1553.98	10	< 1520.00		
09/16/23	487	159	1541.41	92	1543.42	128	1549.00	108	1536.18	64	1550.07	109	1552.65	55	< 1525.00	20	1554.06	10	< 1520.00		
09/17/23	488	159	1541.46	92	1543.44	128	1549.08	108	1536.23	64	1550.13	109	1552.72	55	< 1525.00	20	1554.14	10	< 1520.00		
09/18/23	488	159	1541.51	92	1543.45	128	1549.08	108	1536.27	64	1550.18	109	1552.80	51	< 1525.00	20	1554.22	10	1520.30		
09/19/23	488	159	1541.53	92	1543.46	128	1549.29	108	1536.29	64	1550.20	109	1552.82	50	< 1525.00	20	1554.26	10	< 1520.00		
09/20/23	488	159	1541.56	92	1543.47	128	1549.31	108	1536.31	64	1550.21	109	1552.84	50	< 1525.00	20	1554.28	10	< 1520.00		
09/21/23	488	159	1541.55	92	1543.46	128	1549.30	108	1536.31	64	1550.21	109	1552.83	50	< 1525.00	20	1554.27	10	< 1520.00		
09/22/23	488	159	1541.52	92	1543.45	128	1549.26	108	1536.27	64	1550.17	109	1552.78	50	< 1525.00	20	1554.21	10	< 1520.00		
09/23/23	488	159	1541.52	92	1543.44	128	1549.25	108	1536.26	64	1550.16	109	1552.77	50	< 1525.00	20	1554.20	10	< 1520.00		
09/24/23	488	159	1541.52	92	1543.43	128	1549.26	108	1536.26	64	1550.16	109	1552.78	50	< 1525.00	20	1554.21	10	< 1520.00		
09/25/23	488	159	1541.54	92	1543.43	128	1549.30	108	1536.28	64	1550.20	109	1552.82	50	< 1525.00	20	1554.26	10	< 1520.00		
09/26/23	488	159	1541.59	93	1543.44	128	1549.38	108	1536.32	64	1550.26	109	1552.91	50	< 1525.00	20	1554.36	10	< 1520.00		
09/27/23	488	159	1541.66	93	1543.46	129	1549.47	108	1536.39	64	1550.35	109	1553.01	50	< 1525.00	20	1554.48	10	< 1520.00		
09/28/23	489	159	1541.73	93	1543.46	129	1549.57	108	1536.44	64	1550.43	109	1553.11	50	< 1525.00	20	1554.58	10	< 1520.00		
09/29/23	489	159	1541.80	93	1543.47	129	1549.68	108	1536.50	64	1550.50	110	1553.20	50	< 1525.00	20	1554.68	10	< 1520.00		
09/30/23	489	159	1541.87	93	1543.47	129	1549.76	108	1536.56	64	1550.57	110	1553.29	50	< 1525.00	20	1554.76	10	< 1520.00		
Monthly Average	487	159	1541.31	92	1543.34	128	1548.11	108	1536.09	64	1550.01	109	1552.54	49	1536.78	20	1553.96	10	1520.01		
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
Perchlorate	18	9/14/2023	17	9/14/2023	14	9/14/2023	12	9/14/2023	7.6	9/14/2023	1.8	9/14/2023	0.27	9/14/2023	0.056	9/14/2023	1.9	9/14/2023	ND	9/14/2023	ND
Hexavalent Chromium	ND	9/14/2023	0.00051	9/14/2023	ND	9/14/2023	0.0079	9/14/2023	ND	9/14/2023	ND	9/14/2023	ND	9/14/2023	ND	9/14/2023	ND	9/14/2023	ND	9/14/2023	ND
Total Chromium	0.0018	9/14/2023	0.010	9/14/2023	ND	9/14/2023	0.0036	9/14/2023	ND	9/14/2023	ND	9/14/2023	ND	9/14/2023	ND	9/14/2023	ND	9/14/2023	ND	9/14/2023	ND

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).
 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 09/12, LS #1 offline briefly due to maintenance.
 3: Duplicates taken on 09/14 for well PC-117; average of both values is presented and used for calculations.
 4: From 09/01 to 09/05 and from 09/13 to 09/14, PC-120 transducer failed; average flow values presented for these dates.

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 ³ (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁶ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)
09/01/23	400	42	1582.20	127	1585.86	24	1583.91	3.7	1579.95	45	1576.74	29	1578.93	171	1585.00	1.5	1579.44
09/02/23	401	42	1582.20	127	1585.93	24	1583.96	3.7	1580.02	45	1576.77	29	1578.94	171	1585.05	1.5	1579.46
09/03/23	401	42	1582.20	127	1586.01	25	1584.03	3.7	1580.09	45	1576.81	29	1578.97	172	1585.12	1.5	1579.49
09/04/23	403	42	1582.20	127	1586.09	25	1584.08	3.7	1580.16	46	1576.85	30	1579.06	172	1585.18	1.5	1579.50
09/05/23	403	42	1582.20	127	1586.16	25	1584.14	3.7	1580.23	46	1576.88	30	1579.18	172	1585.24	1.5	1579.52
09/06/23	404	42	1578.03	127	1586.23	25	1584.19	3.7	1580.30	46	1576.91	30	1579.30	172	1585.29	1.5	1579.53
09/07/23	405	42	1577.85	127	1586.29	25	1584.24	3.7	1580.36	47	1576.97	30	1579.42	172	1585.34	1.5	1579.55
09/08/23	405	42	1577.45	127	1586.35	26	1584.28	3.7	1580.42	47	1577.01	30	1579.54	172	1585.39	1.5	1579.57
09/09/23	406	42	1576.73	127	1586.41	26	1584.33	3.7	1580.48	48	1577.04	30	1579.65	172	1585.43	1.5	1579.59
09/10/23	407	42	1576.77	127	1586.46	26	1584.36	3.7	1580.53	48	1577.05	30	1579.75	172	1585.47	1.5	1579.60
09/11/23	407	42	1576.60	127	1586.53	26	1584.41	3.7	1580.59	49	1577.04	30	1579.86	172	1585.52	1.5	1579.61
09/12/23	410	42	1576.29	127	1586.59	26	1584.45	3.7	1580.65	49	1577.03	30	1579.95	172	1585.57	1.5	1579.64
09/13/23	410	42	1575.94	127	1586.66	26	1584.50	3.7	1580.70	50	1577.10	30	1580.04	172	1585.62	1.5	1579.64
09/14/23	398	42	1575.66	114	1586.98	26	1584.60	3.7	1580.78	50	1577.20	30	1580.13	172	1585.75	1.5	1579.66
09/15/23	410	42	1574.84	127	1586.81	26	1584.62	3.7	1580.84	50	1577.19	30	1580.22	172	1585.75	1.5	1579.66
09/16/23	410	42	1572.70	127	1586.87	27	1584.66	3.7	1580.89	51	1577.25	30	1580.30	172	1585.80	1.5	1579.67
09/17/23	411	42	1565.89	127	1586.94	27	1584.71	3.7	1580.95	51	1577.36	30	1580.39	172	1585.84	1.5	1579.68
09/18/23 ²	395	41	1565.17	122	1587.09	26	1584.82	3.6	1581.15	50	1577.67	30	1580.61	166	1585.97	1.5	1579.99
09/19/23 ³	372	24	1565.01	115	1587.62	26	1584.84	3.6	1582.87	52	1577.23	26	1582.07	161	1586.34	1.5	1580.87
09/20/23	408	42	1565.26	128	1587.26	27	1584.94	3.7	1581.30	56	1576.67	26	1582.37	172	1586.08	1.5	1579.77
09/21/23	402	42	1565.09	128	1587.27	27	1584.95	3.7	1581.32	58	1576.33	22	1584.17	173	1586.10	1.5	1579.77
09/22/23	403	42	1565.06	128	1587.29	27	1584.97	3.7	1581.35	59	1576.41	22	1584.26	173	1586.12	1.5	1579.77
09/23/23	404	42	1565.01	128	1587.33	27	1584.99	3.7	1581.38	60	1576.61	22	1584.33	173	1586.14	1.5	1579.78
09/24/23	405	42	1565.02	128	1587.36	27	1585.02	3.7	1581.42	61	1577.23	22	1584.40	173	1586.17	1.5	1579.79
09/25/23	405	42	1565.02	128	1587.40	28	1585.05	3.7	1581.45	62	1579.09	22	1584.45	173	1586.20	1.5	1579.79
09/26/23	405	42	< 1565.00	128	1587.44	28	1585.08	3.7	1581.49	62	1579.91	22	1584.51	173	1586.24	1.5	1579.80
09/27/23	406	42	< 1565.00	128	1587.49	28	1585.12	3.7	1581.53	62	1580.36	22	1584.57	173	1586.27	1.5	1579.81
09/28/23	406	42	1565.05	128	1587.53	28	1585.15	3.7	1581.57	62	1580.74	23	1584.63	173	1586.31	1.5	1579.81
09/29/23	407	42	1565.02	128	1587.58	28	1585.19	3.7	1581.60	62	1581.06	23	1584.68	173	1586.34	1.5	1579.83
09/30/23	407	42	1565.01	128	1587.62	28	1585.22	3.7	1581.64	62	1581.34	23	1584.73	173	1586.38	1.5	1579.83
Monthly Average	404	41	1572.05	126	1586.85	26	1584.63	3.7	1580.93	53	1577.66	27	1581.45	172	1585.77	1.5	1579.71
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		26	9/14/2023	5.5	9/14/2023	150	9/14/2023	120	9/14/2023	150	9/14/2023	67	9/14/2023	46	9/14/2023	50	9/14/2023
Hexavalent Chromium		ND	9/14/2023	0.00086	9/14/2023	0.23	9/14/2023	0.18	9/14/2023	0.64	9/14/2023	0.39	9/14/2023	0.041	9/14/2023	0.057	9/14/2023
Total Chromium		ND	9/14/2023	0.005	9/14/2023	0.21	9/14/2023	0.17	9/14/2023	0.60	9/14/2023	0.37	9/14/2023	0.031	9/14/2023	0.049	9/14/2023

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 ug/L; Cr(VI) = 0.25 ug/L).
 ART-1, 2, 3, 4, 7B, and 8 have adjacent recovery wells, both of which can be used for extraction. The pumping well can be chosen manually or automatically, based on operational considerations.
 The wells with transducers are ART-1, -2, -3, -4, -7A, -8, -9, and PC-150
 1: Analytical results are reported from Eurofins TestAmerica.
 2: From 09/18 to 09/19, all AWF wells offline intermittently due to maintenance.
 3: From 09/01 to 09/05, ART-1/1A water level taken manually due to transducer failure.
 4: On 09/14, ART-2 switched to ART-2A.
 5: Duplicates taken on 09/14 for well ART-2/2A; average of both values is presented and used for calculations.
 6: On 09/21, ART-7A switched to ART-7B.
 7: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 09/01 to 09/30 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.

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 ³ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁴ (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 ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)
09/01/23	0.21	1715.25	0.83	1707.75	0.0	1718.33	0.0	1723.13	0.90	1717.02	0.36	1709.48	2.0	1713.25	0.85	1711.59	1.0	1713.14	2.0	1709.09
09/02/23	0.21	1715.23	0.83	1707.76	0.0	1718.35	0.0	1723.19	0.88	1717.28	0.37	1709.57	2.0	1713.34	0.85	1711.62	0.99	1713.23	2.0	1709.09
09/03/23	0.21	1715.23	0.83	1707.76	0.0	1718.36	0.0	1723.15	0.87	1717.61	0.36	1709.49	2.0	1713.38	0.85	1711.83	0.99	1713.34	2.0	1709.10
09/04/23	0.21	1715.23	0.83	1707.76	0.0	1718.37	0.0	1723.15	0.87	1717.56	0.33	1709.46	2.0	1713.38	0.84	1712.00	0.99	1713.34	2.0	1709.12
09/05/23	0.21	1715.23	0.83	1707.76	0.0	1718.39	0.0	1723.12	0.87	1717.51	0.31	1709.44	2.0	1713.33	0.84	1712.25	0.98	1713.37	2.0	1709.12
09/06/23	0.21	1715.23	0.84	1707.76	0.0	1718.41	0.0	1723.09	0.87	1717.51	0.32	1709.38	1.9	1713.73	0.83	1712.48	0.98	1713.40	2.0	1709.12
09/07/23	0.21	1715.23	0.84	1707.75	0.0	1718.42	0.0	1723.07	0.88	1717.42	0.32	1709.36	1.9	1713.80	0.84	1712.50	0.98	1713.44	2.0	1709.12
09/08/23	0.21	1715.22	0.84	1707.75	0.0	1718.44	0.0	1723.05	0.88	1717.38	0.30	1709.36	1.9	1713.81	0.83	1712.65	0.97	1713.55	2.0	1709.12
09/09/23	0.21	1715.22	0.84	1707.76	0.0	1718.45	0.0	1723.03	0.88	1717.39	0.31	1709.36	1.9	1713.95	0.83	1712.99	0.96	1713.65	2.0	1709.12
09/10/23	0.20	1715.29	0.84	1707.75	0.0	1718.45	0.0	1723.05	0.87	1717.51	0.36	1709.35	1.9	1714.03	0.82	1713.20	0.97	1713.72	2.0	1709.12
09/11/23 ²	0.20	1718.98	0.83	1707.92	0.0	1718.47	0.0	1723.08	0.83	1718.03	0.36	1709.47	1.8	1714.29	0.75	1714.69	0.92	1714.10	2.0	1709.30
09/12/23	0.21	1714.72	0.84	1707.75	0.010	1718.27	0.011	1722.43	0.85	1717.93	0.34	1709.36	1.9	1714.08	0.77	1714.61	0.93	1714.05	2.1	1709.13
09/13/23	0.22	1714.72	0.84	1707.75	0.00	1718.48	0.0	1723.00	0.85	1717.93	0.30	1709.36	1.5	1716.08	0.77	1714.67	0.91	1714.04	2.0	1709.11
09/14/23	0.22	1714.72	0.84	1707.75	0.00	1718.49	0.0	1722.99	0.85	1717.85	0.29	1709.36	1.3	1716.67	0.75	1715.09	0.89	1714.22	1.9	1709.08
09/15/23 ²	0.12	1718.62	0.84	1707.84	0.00	1718.50	0.0	1722.98	0.83	1718.03	0.33	1709.43	1.0	1717.63	0.67	1715.78	0.86	1714.36	1.8	1709.17
09/16/23	0.059	1724.41	0.84	1707.86	0.00	1718.52	0.0	1722.95	0.83	1718.13	0.34	1709.52	0.70	1718.54	0.52	1717.46	0.87	1714.42	1.9	1709.21
09/17/23	0.059	1724.71	0.83	1708.04	0.00	1718.56	0.0	1722.94	0.78	1718.73	0.34	1709.62	0.49	1719.20	0.38	1718.50	0.84	1714.63	1.9	1709.47
09/18/23	0.23	1719.70	0.84	1708.02	0.00	1718.60	0.0	1722.96	0.76	1719.10	0.37	1709.56	0.34	1719.66	0.27	1719.16	0.86	1714.67	2.0	1709.53
09/19/23 ²	0.21	1717.94	0.84	1707.93	0.00	1718.62	0.0	1722.97	0.76	1719.06	0.36	1709.61	0.22	1720.02	0.22	1719.49	0.85	1714.83	2.1	1709.41
09/20/23	0.27	1716.35	0.83	1708.31	0.00	1718.66	0.0	1723.04	0.68	1719.82	0.37	1709.77	0.17	1720.22	0.40	1718.87	0.78	1715.36	2.2	1709.98
09/21/23	0.25	1715.84	0.83	1708.23	0.00	1718.74	0.0	1723.07	0.68	1719.87	0.37	1709.82	0.23	1720.21	0.64	1717.71	1.0	1712.47	2.5	1709.96
09/22/23 ²	0.17	1716.11	0.85	1707.82	0.00	1718.75	0.0	1722.99	0.75	1719.27	0.40	1709.62	0.22	1720.21	0.78	1717.14	1.2	1710.47	2.7	1709.32
09/23/23	0.056	1724.08	0.84	1708.15	0.00	1718.82	0.0	1723.02	0.68	1719.97	0.39	1709.84	0.18	1720.36	0.52	1718.89	1.1	1713.62	2.8	1712.98
09/24/23	0.064	1724.74	0.84	1708.02	0.00	1718.88	0.0	1723.06	0.70	1719.83	0.41	1709.76	0.13	1720.51	0.45	1719.48	1.1	1713.94	2.9	1714.21
09/25/23	0.21	1720.89	0.85	1707.87	0.00	1718.91	0.0	1723.07	0.71	1719.75	0.42	1709.70	0.16	1720.56	0.45	1719.63	1.1	1713.73	3.0	1712.94
09/26/23	0.20	1717.81	0.79	1709.43	0.00	1719.02	0.0	1723.09	0.60	1721.16	0.41	1710.49	0.91	1718.71	0.29	1720.22	0.78	1716.16	2.2	1716.73
09/27/23 ²	0.26	1717.23	0.82	1708.73	0.00	1719.13	0.0	1723.17	0.58	1720.86	0.44	1710.23	2.9	1711.06	0.32	1720.25	0.89	1715.52	2.6	1717.12
09/28/23	0.23	1714.59	0.86	1707.65	0.00	1718.95	0.0	1723.24	0.77	1719.20	0.42	1709.69	2.9	1708.57	0.74	1718.53	1.1	1714.41	3.1	1716.70
09/29/23	0.23	1714.59	0.86	1707.64	0.00	1718.84	0.0	1723.30	0.72	1719.86	0.40	1709.67	2.8	1708.56	0.90	1717.32	1.1	1714.24	3.0	1716.58
09/30/23	0.11	1718.77	0.85	1707.76	0.00	1718.80	0.0	1723.30	0.65	1720.30	0.38	1709.72	2.8	1708.77	0.81	1717.62	1.0	1714.29	3.0	1716.54
Monthly Average	0.19	1717.40	0.84	1707.93	0.0	1718.60	0.0	1723.06	0.79	1718.63	0.36	1709.60	1.4	1715.66	0.66	1715.94	0.96	1713.92	2.2	1710.92
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	300	9/14/2023	23	9/12/2023	52	9/12/2023	180	9/12/2023	180	9/12/2023	180	9/12/2023	360	9/11/2023	370	9/11/2023	390	9/11/2023	490	9/11/2023
Hexavalent Chromium	0.96	9/14/2023	0.049	9/12/2023	0.010	9/12/2023	1.5	9/12/2023	1.7	9/12/2023	0.13	9/12/2023	2.5	9/11/2023	4.0	9/11/2023	5.9	9/11/2023	11	9/11/2023
Total Chromium	2.0	9/14/2023	0.047	9/12/2023	0.011	9/12/2023	1.5	9/12/2023	1.6	9/12/2023	0.23	9/12/2023	2.4	9/11/2023	3.7	9/11/2023	5.3	9/11/2023	12	9/11/2023

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
 - 1: Analytical results are reported from Eurofins TestAmerica.
 - 2: On 09/11, 09/15 to 09/19, and 9/22 to 09/27, IWF offline intermittently due to maintenance.
 - 3: From 09/15 to 09/18, I-AR offline due to maintenance.
 - 4: On 09/12, I-AB and I-AC online for sampling.
 - 5: On 09/27, I-C, I-S, and I-Y adjusted to meet flow targets as directed by the Trust.
 - 6: On 09/12, I-D, I-M, and I-N adjusted to meet flow targets as directed by the Trust.
 - 7: On 09/28, I-D, I-E, I-F, I-K, I-L, I-M, I-N, I-P, I-R, I-V, I-W, I-X, I-Y, and I-Z 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 ⁷ (gpm)	Water Elevation (ft amsl)	Flow ^{7,8,9} (gpm)	Water Elevation (ft amsl)	Flow ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)
09/01/23	0.20	1711.36	0.52	1709.21	3.3	1720.35	5.2	1711.23	2.8	1708.72	0.97	< 1711.52	1.7	1716.85	0.69	1718.54	0.54	1719.54	1.6	1709.52
09/02/23	0.20	1711.35	0.53	1709.17	3.9	1720.35	5.2	1711.23	2.8	1708.73	0.97	< 1711.52	1.6	1716.97	0.70	1718.55	0.59	1719.54	1.6	1709.52
09/03/23	0.20	1711.35	0.53	1709.09	4.1	1720.35	5.2	1711.24	2.8	1708.72	0.98	< 1711.52	1.6	1717.05	0.68	1718.60	0.60	1719.53	1.6	1709.52
09/04/23	0.20	1711.34	0.50	1709.12	4.0	1720.35	5.2	1711.24	2.8	1708.72	0.98	< 1711.52	1.6	1717.11	0.69	1718.62	0.60	1719.52	1.6	1709.51
09/05/23	0.20	1711.34	0.46	1709.11	3.5	1720.34	5.2	1711.24	2.8	1708.74	0.98	< 1711.52	1.6	1717.18	0.71	1718.60	0.59	1719.52	1.6	1709.51
09/06/23	0.20	1711.36	0.43	1709.14	3.2	1720.34	5.2	1711.24	2.8	1708.73	0.98	< 1711.52	1.6	1717.22	0.71	1718.60	0.60	1719.51	1.6	1709.51
09/07/23	0.20	1711.35	0.45	1709.15	3.3	1720.34	5.2	1711.24	2.8	1708.72	0.98	< 1711.55	1.6	1717.28	0.72	1718.60	0.59	1719.48	1.6	1709.51
09/08/23	0.20	1711.34	0.49	1709.17	3.2	1720.33	5.2	1711.24	2.8	1708.74	0.99	< 1711.55	1.5	1717.34	0.72	1718.60	0.59	1719.48	1.6	1709.51
09/09/23	0.20	1711.35	0.49	1709.13	3.2	1720.33	5.2	1711.24	2.8	1708.73	0.99	< 1711.55	1.5	1717.39	0.72	1718.61	0.58	1719.48	1.6	1709.51
09/10/23	0.20	1711.33	0.50	1709.15	3.3	1720.33	5.2	1711.24	2.8	1708.72	0.99	< 1711.55	1.5	1717.43	0.72	1718.63	0.59	1719.48	1.6	1709.50
09/11/23 ²	0.20	1711.46	0.48	1709.22	3.2	1720.39	5.1	1711.54	2.7	1708.94	0.99	< 1711.55	1.5	1717.62	0.63	1718.78	0.57	1719.58	1.6	1709.88
09/12/23	0.20	1711.34	0.43	1709.12	3.3	1720.35	5.2	1711.22	2.8	1708.76	1.0	< 1711.46	1.7	1717.16	0.89	1718.30	0.62	1719.48	1.6	1709.50
09/13/23	0.20	1711.33	0.44	1709.11	3.3	1720.34	5.2	1711.21	2.8	1708.76	1.0	< 1711.46	2.0	1716.01	1.5	1716.35	0.61	1719.46	1.6	1709.47
09/14/23	0.20	1711.33	0.47	1709.12	3.3	1720.33	5.2	1711.21	2.8	1708.75	1.0	< 1711.46	2.0	1716.14	1.5	1716.21	0.62	1719.43	1.6	1709.45
09/15/23 ²	0.19	1711.37	0.49	1709.18	3.3	1720.36	5.1	1711.41	2.8	1708.89	1.0	< 1711.46	1.7	1716.90	1.3	1716.73	0.57	1719.56	1.6	1709.62
09/16/23	0.20	1711.34	0.49	1709.19	3.3	1720.38	5.2	1711.49	2.7	1708.94	1.0	< 1711.46	1.6	1717.39	1.2	1717.27	0.55	1719.60	1.6	1709.69
09/17/23	0.20	1711.39	0.48	1709.32	3.1	1720.46	5.1	1712.03	2.7	1709.28	1.0	< 1711.46	1.5	1717.86	0.93	1718.04	0.52	1719.68	1.6	1710.12
09/18/23	0.20	1711.40	0.48	1709.35	3.1	1720.51	5.1	1712.12	2.7	1709.30	1.1	< 1711.46	1.3	1718.60	0.78	1718.51	0.49	1719.78	1.6	1710.18
09/19/23 ³	0.19	1711.65	0.47	1709.31	3.1	1720.49	5.1	1711.89	2.7	1709.10	1.1	< 1711.46	1.1	1719.18	0.73	1718.76	0.46	1719.87	1.6	1709.99
09/20/23	0.11	1714.88	0.45	1709.59	3.0	1720.65	4.9	1712.98	2.6	1709.82	1.1	1714.28	0.8	1719.76	0.69	1718.98	0.31	1720.07	1.6	1711.00
09/21/23	0.17	1712.93	0.52	1709.67	3.2	1720.75	5.0	1712.82	2.3	1712.71	0.87	1715.51	0.9	1719.86	0.62	1719.20	0.19	1720.30	1.1	1716.57
09/22/23 ³	0.20	1711.36	0.53	1709.45	3.6	1720.69	5.4	1711.59	2.0	1715.44	0.72	1716.57	0.8	1720.09	0.69	1719.28	0.20	1720.37	0.26	1719.30
09/23/23	0.08	1715.86	0.53	1710.01	3.3	1720.96	5.3	1712.76	1.5	1717.19	0.46	1718.81	0.5	1720.59	0.65	1719.42	0.18	1720.50	0.0	1719.92
09/24/23	0.01	1718.56	0.57	1710.10	3.5	1721.06	5.5	1712.24	1.4	1717.96	0.34	1719.73	0.4	1720.75	0.61	1719.53	0.23	1720.61	0.0	1720.20
09/25/23	0.00	1718.75	0.54	1711.80	3.4	1721.06	5.7	1711.72	1.3	1718.18	0.30	1720.10	0.4	1720.84	0.60	1719.61	0.23	1720.68	0.0	1720.29
09/26/23	0.11	1715.45	0.41	1721.03	2.3	1721.56	4.6	1715.92	0.9	1718.98	0.19	1721.02	0.2	1721.11	0.41	1719.82	0.17	1720.84	0.4	1720.23
09/27/23 ²	0.21	1711.53	0.48	1717.59	2.8	1721.64	5.4	1713.97	0.9	1719.10	0.32	1720.38	0.2	1721.23	0.42	1720.06	0.26	1721.00	0.4	1719.98
09/28/23	0.21	1711.29	0.61	1709.57	3.4	1721.30	6.1	1711.24	2.4	1712.59	0.82	1716.37	1.2	1719.92	1.2	1719.68	0.49	1720.80	1.4	1719.22
09/29/23	0.21	1711.35	0.61	1712.09	3.3	1721.02	5.8	1711.23	3.1	1708.57	0.77	1716.30	1.7	1719.08	1.6	1719.35	0.45	1720.67	1.4	1719.13
09/30/23	0.20	1711.40	0.54	1717.38	3.5	1720.91	5.5	1711.45	3.0	1708.73	0.70	1716.68	1.6	1719.16	1.5	1719.27	0.36	1720.63	1.3	1719.14
Monthly Average	0.17	1712.31	0.50	1710.42	3.3	1720.62	5.2	1711.81	2.5	1710.91	0.86	< 1713.81	1.3	1718.37	0.85	1718.64	0.46	1719.93	1.3	1712.93
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	830	9/5/2023	670	9/5/2023	340	9/12/2023	180	9/12/2023	200	9/12/2023	240	9/12/2023	510	9/11/2023	540	9/11/2023	610	9/5/2023	590	9/5/2023
Hexavalent Chromium	17	9/5/2023	12	9/5/2023	6.3	9/12/2023	3.37	9/12/2023	2.5	9/12/2023	1.4	9/12/2023	5.1	9/11/2023	7.6	9/11/2023	10	9/5/2023	11	9/5/2023
Total Chromium	15	9/5/2023	11	9/5/2023	5.9	9/12/2023	3.1	9/12/2023	2.3	9/12/2023	1.3	9/12/2023	4.5	9/11/2023	7.1	9/11/2023	9.4	9/5/2023	9.9	9/5/2023

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 09/11, 09/15 to 09/19, and 9/22 to 09/27, IWF offline intermittently due to maintenance.
 6: On 09/12, I-D, I-M, and I-N adjusted to meet flow targets as directed by the Trust.
 7: On 09/28, I-D, I-E, I-F, I-K, I-L, I-M, I-N, I-P, I-R, I-V, I-W, I-X, I-Y, and I-Z adjusted to meet flow targets as directed by the Trust.
 8: On 09/07, I-L, I-Y, and I-Z, water level taken manually due to water level dropping below transducer level.
 9: On 09/07, I-L and I-Y, water level taken 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 ⁷ (gpm)	Water Elevation (ft amsl)	Flow ⁵ (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 ⁷ (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ^{5,7,8,9} (gpm)	Water Elevation (ft amsl)	Flow ^{7,8} (gpm)	Water Elevation (ft amsl)
09/01/23	0.37	1714.53	1.0	1714.56	1.4	< 1706.80	0.64	1707.65	0.70	1707.64	4.1	1713.60	0.55	1710.03	2.8	< 1698.37	1.1	< 1700.65	6.6	1710.11
09/02/23	0.37	1714.53	1.1	1714.31	1.4	< 1706.92	0.64	1707.64	0.70	1707.64	4.1	1713.52	0.55	1710.03	2.8	< 1698.37	1.1	< 1700.65	7.3	1710.11
09/03/23	0.37	1714.53	1.1	1714.45	1.4	< 1706.95	0.64	1707.65	0.70	1707.64	4.1	1713.58	0.55	1710.03	2.8	< 1698.37	1.1	< 1700.65	6.3	1710.11
09/04/23	0.37	1714.53	1.0	1714.45	1.4	< 1707.05	0.64	1707.65	0.70	1707.64	4.1	1713.46	0.55	1710.03	2.8	< 1698.37	1.1	< 1700.65	6.1	1710.11
09/05/23	0.37	1714.53	1.0	1714.29	1.4	< 1707.05	0.64	1707.64	0.70	1707.64	4.1	1713.43	0.55	1710.03	2.8	< 1698.37	1.1	< 1700.65	6.7	1710.11
09/06/23	0.37	1714.53	1.0	1714.18	1.4	< 1707.16	0.64	1707.64	0.69	1707.64	4.1	1713.21	0.55	1710.03	2.8	< 1698.38	1.1	< 1700.65	6.3	1710.11
09/07/23	0.37	1714.53	1.0	1714.24	1.4	< 1707.41	0.64	1707.64	0.70	1707.64	4.1	1713.10	0.55	1710.03	2.8	< 1698.37	1.1	< 1700.58	6.4	1710.06
09/08/23	0.37	1714.53	1.0	1714.20	1.4	< 1707.36	0.63	1707.64	0.69	1707.65	4.1	1712.95	0.55	1710.03	2.8	< 1698.37	1.1	< 1700.58	6.5	1710.06
09/09/23	0.37	1714.53	1.0	1714.17	1.4	< 1707.40	0.64	1707.64	0.69	1707.65	4.1	1712.89	0.55	1710.03	2.8	< 1698.37	1.1	< 1700.58	6.4	1710.06
09/10/23	0.37	1714.53	1.0	1714.04	1.4	< 1707.51	0.63	1707.64	0.69	1707.64	4.1	1712.73	0.55	1710.03	2.8	< 1698.37	1.1	< 1700.58	6.6	1710.06
09/11/23 ²	0.37	1714.54	1.0	1714.44	1.3	< 1708.61	0.63	1707.73	0.69	1707.77	4.0	1713.81	0.55	1710.03	2.8	< 1698.99	1.1	< 1700.58	6.0	1710.06
09/12/23	0.37	1714.53	1.1	1713.93	1.4	< 1708.60	0.64	1707.65	0.70	1707.64	4.1	1713.42	0.55	1710.03	2.9	< 1698.31	1.1	< 1700.40	6.4	1710.06
09/13/23	0.37	1714.53	1.0	1714.17	1.4	< 1708.57	0.64	1707.65	0.70	1707.64	4.1	1713.07	0.54	1710.03	2.8	< 1698.35	1.1	< 1700.40	6.1	1710.06
09/14/23	0.37	1714.53	1.2	1714.18	1.4	< 1708.53	0.63	1707.65	0.69	1707.64	4.1	1712.85	0.54	1710.03	2.7	< 1698.37	1.1	< 1700.40	6.6	1710.06
09/15/23 ²	0.37	1714.53	1.2	1714.75	1.3	< 1709.52	0.63	1707.69	0.69	1707.70	4.1	1713.53	0.55	1710.03	2.7	< 1698.81	1.1	< 1700.40	6.3	1710.14
09/16/23	0.37	1714.53	1.2	1715.46	1.2	1711.61	0.63	1707.69	0.69	1707.72	4.0	1713.95	0.55	1710.03	2.7	< 1699.01	1.2	< 1700.40	6.5	1710.19
09/17/23	0.37	1714.53	1.1	1717.43	1.1	1713.66	0.63	1707.76	0.68	1707.83	3.9	1715.02	0.55	1710.03	2.7	1700.59	1.2	< 1700.40	5.8	1710.57
09/18/23	0.37	1714.53	1.1	1718.26	1.0	1715.16	0.63	1707.75	0.69	1707.81	3.9	1715.74	0.56	1710.03	2.7	1701.36	1.2	< 1700.40	5.8	1710.62
09/19/23 ²	0.37	1714.53	1.2	1716.62	0.9	1716.24	0.63	1707.72	0.69	1707.76	3.9	1715.64	0.56	1710.03	2.8	1701.67	1.2	< 1700.40	6.0	1710.45
09/20/23	0.37	1714.53	1.0	1718.77	0.8	1717.09	0.63	1707.85	0.68	1707.98	3.6	1716.92	0.58	1710.03	2.6	1707.75	1.2	< 1705.23	5.9	1711.23
09/21/23	0.38	1714.53	1.0	1718.92	1.5	1710.10	0.64	1707.82	0.69	1707.95	3.7	1717.22	0.61	1710.02	2.0	1713.43	1.1	1711.41	5.1	1715.06
09/22/23 ³	0.37	1714.53	1.0	1718.47	1.8	< 1706.39	0.64	1707.69	0.70	1707.71	4.1	1716.52	0.64	1710.02	1.8	1714.49	0.9	1715.37	3.4	1718.69
09/23/23	0.38	1714.53	0.8	1719.78	1.8	< 1707.19	0.64	1707.81	0.69	1707.92	3.8	1717.69	0.68	1710.03	1.6	1714.98	0.7	1717.30	3.0	1719.85
09/24/23	0.39	1714.53	1.0	1719.67	1.8	< 1706.98	0.66	1707.76	0.71	1707.84	3.9	1717.84	0.72	1710.02	1.7	1714.99	0.5	1718.23	2.8	1720.07
09/25/23	0.40	1714.53	1.1	1719.58	1.9	< 1706.61	0.66	1707.72	0.71	1707.76	4.1	1717.72	0.73	1710.02	1.8	1714.87	0.5	1718.71	2.7	1720.12
09/26/23	0.40	1714.53	0.8	1721.47	1.6	1711.94	0.65	1708.33	0.68	1708.79	3.0	1719.53	0.59	1713.67	1.3	1716.06	0.3	1720.02	1.9	1720.72
09/27/23 ²	0.42	1714.54	0.9	1721.10	1.7	1710.68	0.65	1708.05	0.71	1708.34	3.5	1719.40	0.32	1720.35	1.5	1716.01	0.4	1718.86	2.0	1720.86
09/28/23	0.43	1714.53	1.0	1719.20	1.9	< 1706.20	0.66	1707.65	0.73	1707.64	4.2	1718.44	0.66	1713.80	1.9	1715.06	1.3	1708.52	5.5	1714.15
09/29/23	0.42	1714.53	1.0	1718.80	1.8	< 1706.17	0.66	1707.65	0.73	1707.64	4.1	1718.02	0.75	1710.03	2.0	1714.74	1.3	1706.67	6.9	< 1710.00
09/30/23	0.42	1714.53	1.0	1718.99	1.7	< 1706.42	0.66	1707.71	0.72	1707.72	4.1	1717.83	0.72	1710.04	2.0	1714.74	1.2	1707.51	7.9	1710.16
Monthly Average	0.38	1714.53	1.0	1716.56	1.4	1708.93	0.64	1707.73	0.70	1707.78	4.0	1715.22	0.58	1710.62	2.4	1704.54	1.0	1705.26	5.6	1712.47
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	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	540	9/5/2023	580	9/12/2023	280	9/14/2023	740	9/5/2023	770	9/5/2023	510	9/12/2023	580	9/5/2023	560	9/11/2023	340	9/12/2023	150	9/12/2023
Hexavalent Chromium	13	9/5/2023	0.87	9/12/2023	1.5	9/14/2023	15	9/5/2023	14	9/5/2023	7.3	9/12/2023	10	9/5/2023	9.4	9/11/2023	1.3	9/12/2023	4.3	9/12/2023
Total Chromium	12	9/5/2023	0.77	9/12/2023	1.5	9/14/2023	13	9/5/2023	13	9/5/2023	7.2	9/12/2023	9.6	9/5/2023	8.8	9/11/2023	1.2	9/12/2023	3.9	9/12/2023

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 09/11, 09/15 to 09/19, and 9/22 to 09/27, IWF offline intermittently due to maintenance.
 5: On 09/27, I-C, I-S, and I-Y adjusted to meet flow targets as directed by the Trust.
 7: On 09/28, I-D, I-E, I-F, I-K, I-L, I-M, I-N, I-P, I-R, I-V, I-W, I-X, I-Y, and I-Z adjusted to meet flow targets as directed by the Trust.
 8: On 09/07, I-L, I-Y, and I-Z, water level taken manually due to water level dropping below transducer level.
 9: On 09/07, I-L and I-Y, water level taken manually due to water level dropping below transducer level.

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 ² (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 ⁴ (gpm)	PA - Cr (VI) (mg/L)	TA - ClO ₄ (mg/L)	TA - ClO ₃ (mg/L)	TA - NO ₂ - N (mg/L)	Flow ² (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)	
09/01/23	857	60				0.0				0.0					1017		43						
09/02/23	857	60				0.0				0.0					1087	51	49						
09/03/23	862	60				0.0				0.0					946		50						
09/04/23	867	60				0.0				0.0					943		52						
09/05/23	860	57				0.0				0.0					976		48						
09/06/23	862	60	0.69	0.00040 ^J	400	1.2	0.053	0.062	30	0.0					1056		46	80	9.3	0.081	0.033		
09/07/23	861	60				0.0				0.0					1015		49						
09/08/23	862	60				0.0				0.0					960		51						
09/09/23	864	60				0.0				0.0					987	51	50						
09/10/23	864	60				0.0				0.0					1026		51						
09/11/23	865	60				0.0				0.0					996		38						
09/12/23	843	60				0.0				0.0					953		38						
09/13/23	862	60	0.89	0.00037 ^J	400	0.0				0.0					948		38		9.6	0.11	0.047		
09/14/23	862	60				0.0				0.0					986		42						
09/15/23	868	59				0.0				0.0					952		49						
09/16/23	869	60				0.0				0.0					947	51	48						
09/17/23	874	59				0.0				0.0					975		41						
09/18/23	854	60				0.0				0.0					1008		49						
09/19/23	832	60				0.0				0.0					1099		44						
09/20/23	867	60	0.68	0.00031 ^J	390	0.0				0.0					1081		37		10	0.082	0.041		
09/21/23	860	57				0.0				0.0					1026		45						
09/22/23	861	45				5.1				0.0					961		52						
09/23/23	863	50				0.0				0.0					912	49	47						
09/24/23	864	57				0.0				0.0					921		46						
09/25/23	866	41				0.0				0.0					907		53						
09/26/23	862	42				0.0				0.0					904		39						
09/27/23	866	35	1.2 ^B	0.00047 ^J	430	0.0				0.0					901		48		10 ^H	0.10 ^B	0.028		
09/28/23	865	52				0.0				0.0					939		52						
09/29/23	867	61				0.0				0.0					945		50						
09/30/23	866	58				0.0				0.0					1013	53	52						
Monthly Average ²	862	56	0.84	0.00038	404	0.21	0.05	0.062	30	0.0	0.0	0.0	0.0	0.0	980	51	46	80	9.7	0.092	0.037		

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.
 B = Compound was found in the blank and sample.
 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.
 3: From 09/25 to 09/27, Chromium Treatment Subsystem Effluent flow meter offline due to maintenance; average flows are presented for these dates.
 4: From 09/01 to 09/30, Unit 4 valve closed due to maintenance.
 5: On 09/21 and from 09/24 to 09/25, FBR Plant Influent flow meter offline due to maintenance; average flows are presented for this date.

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 ₃ - N (mg/L)	ETI - Turbidity (NTU)
09/01/23	1096	6.8	-329	899	6.7	-382	1020		ND					5.0
09/02/23	1107	6.7	-327	917	6.6	-374	1021	0.0094	ND					2.0
09/03/23	1052	6.6	-282	819	6.5	-390	971		ND					4.0
09/04/23	1040	6.6	-303	852	6.4	-395	929		ND					4.0
09/05/23	1070	6.6	-281	880	6.4	-356	987		ND					10
09/06/23	1122	6.6	-298	908	6.3	-375	1020		ND	NDD	0.006 J	ND	ND	6.0
09/07/23	1016	6.5	-314	985	6.4	-390	995		ND					11
09/08/23	1027	6.4	-292	863	6.4	-393	951		ND					21
09/09/23	1031	6.5	-318	867	6.3	-396	953	ND D	ND					10
09/10/23	1055	6.5	-341	898	6.3	-395	963		ND					17
09/11/23	1029	6.5	-232	793	6.3	-344	969		ND					15
09/12/23	1041	6.6	-267	853	6.3	-406	871		ND					11
09/13/23	1056	6.5	-284	911	6.3	-398	966		ND		0.015	ND	ND	6.0
09/14/23	1030	6.5	-286	992	6.4	-404	959		ND					5.0
09/15/23	1058	6.5	-292	940	6.3	-403	897		ND					5.0
09/16/23	1045	6.5	-288	958	6.4	-398	926	0.0025	ND					6.0
09/17/23	861	6.5	-193	774	6.3	-397	889		ND					14
09/18/23	1015	6.5	-202	937	6.4	-357	956		ND					10
09/19/23	1047	6.5	-179	923	6.4	-359	992		ND					16
09/20/23	1043	6.5	-272	927	6.5	-402	1006		ND		0.011	ND	ND	10
09/21/23	1036	6.7	-291	941	6.6	-362	980		ND					22
09/22/23	1047	6.6	-317	959	6.5	-385	879		ND					7.0
09/23/23	994	6.6	-302	910	6.5	-383	701	ND D	ND					5.0
09/24/23	100	6.7	-344	176	6.5	-372	524		ND					10
09/25/23	910	6.9	-306	714	6.5	-381	265		ND					1.0
09/26/23	900	6.8	-307	684	6.6	-383	832		ND					4.0
09/27/23	931	6.7	-337	708	6.6	-384	818		ND		0.016B	ND	ND H	11
09/28/23	1043	6.6	-356	926	6.6	-400	927		ND					22
09/29/23	1033	6.6	-348	873	6.4	-390	958		ND					10
09/30/23	1039	6.6	-165	911	6.4	-393	964	ND D	ND					10
Monthly Average ²	996	6.6	-287	857	6.4	-385	903	0.0023	ND	ND	0.0115	ND	ND	10

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.
 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.
 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).
 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)
09/15/23	25.1	43.1
09/30/23	24.8	43.5

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
09/16/23	0.0	4,532	1,424	2048
09/26/23	0.0	636	1,565	336

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

Notes:

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

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

ND = Not detected above laboratory method detection limit (NO3-N= 0.055 mg/L).

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

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

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

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)		
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	9.4	95	359	400
Feb 2023	900	50	9.0	110	386	393
Mar 2023	913	54	9.0	150	474	406
Apr 2023	917	51	8.9	130	432	410
May 2023	911	57	4.8	110	364	405
June 2023	946	57	8.9	100	400	403
July 2023	946	53	6.6	150	466	420
Aug 2023	938	48	9.5	97	378	419
Sep 2023	980	51	9.7	80	370	402

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 (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)
09/01/23	2.0	1710.06	0.87	1709.84	0.89	1710.50	0.51	1716.19	1.1	1715.01	1.4	1713.97	0.84	1719.11	0.36	1710.10
09/02/23	2.1	1710.11	0.76	1709.76	0.90	1710.80	0.46	1716.37	1.1	1715.55	1.4	1714.14	0.74	1719.20	0.36	1709.79
09/03/23	2.1	1709.93	0.76	1710.27	0.91	1710.60	0.46	1717.17	1.1	1715.87	1.3	1714.40	0.72	1719.77	0.36	1710.16
09/04/23	2.1	1710.26	0.79	1709.87	0.90	1710.65	0.45	1717.43	1.1	1715.80	1.3	1715.11	0.76	1719.72	0.39	1710.15
09/05/23	2.1	1709.98	0.77	1710.74	0.94	1710.49	0.53	1717.31	1.1	1716.29	1.3	1715.18	0.76	1718.81	0.41	1710.29
09/06/23	2.2	1710.22	0.61	1710.83	0.90	1710.56	0.49	1718.02	1.1	1715.84	1.3	1714.89	0.76	1719.61	0.41	1711.02
09/07/23	2.3	1710.18	0.87	1710.01	0.93	1710.42	0.56	1716.89	1.1	1715.69	1.3	1714.55	0.86	1717.88	0.42	1709.89
09/08/23	2.1	1710.15	0.87	1709.77	0.90	1710.26	0.53	1716.85	1.1	1715.59	1.4	1714.25	0.82	1717.79	0.38	1710.02
09/09/23	1.9	1710.12	0.44	1709.74	0.87	1710.62	0.63	1716.77	1.1	1715.52	1.4	1714.10	0.84	1718.01	0.46	1710.12
09/10/23	2.1	1710.38	0.83	1709.98	0.90	1710.84	0.57	1716.51	1.1	1715.38	1.5	1713.95	0.84	1717.94	0.43	1710.01
09/11/23	2.1	1709.26	0.81	1710.28	0.90	1711.58	0.55	1717.70	1.1	1715.79	1.5	1713.27	0.78	1720.81	0.43	1709.50
09/12/23	2.2	1709.34	0.75	1710.24	0.89	1711.39	0.61	1716.47	1.0	1715.72	1.3	1713.24	0.89	1717.86	0.39	1709.59
09/13/23	2.1	1709.51	0.97	1710.36	0.75	1712.42	0.71	1716.59	1.1	1715.81	1.5	1713.42	0.95	1717.86	0.40	1709.57
09/14/23	2.2	1710.10	0.83	1710.19	0.74	1712.47	0.73	1716.70	1.1	1715.91	1.5	1713.66	1.1	1717.90	0.42	1709.82
09/15/23	2.1	1710.93	0.86	1710.16	0.81	1715.62	0.53	1716.92	1.0	1715.92	1.3	1713.55	1.1	1717.41	0.32	1710.02
09/16/23	2.2	1710.27	0.83	1709.87	0.78	1715.15	0.64	1716.27	1.1	1715.92	1.4	1713.20	0.96	1717.61	0.43	1710.17
09/17/23	2.2	1710.24	0.85	1709.86	0.79	1714.78	0.63	1716.59	1.1	1716.06	1.4	1713.22	0.97	1717.53	0.43	1710.15
09/18/23	2.1	1710.08	0.90	1710.11	0.79	1714.52	0.58	1716.63	1.0	1715.99	1.3	1713.67	0.94	1717.48	0.39	1710.12
09/19/23	2.2	1710.20	0.83	1710.21	0.85	1714.53	0.69	1716.80	1.2	1716.12	1.6	1713.40	0.98	1717.80	0.43	1709.77
09/20/23	2.1	1710.31	0.87	1710.34	0.86	1714.47	0.66	1716.84	1.1	1716.39	1.5	1713.54	0.96	1717.61	0.44	1709.57
09/21/23	2.1	1710.43	0.89	1709.96	0.84	1714.32	0.46	1716.99	0.91	1716.92	1.1	1714.00	0.68	1717.67	0.36	1709.72
09/22/23	2.2	1710.46	0.89	1709.84	0.87	1714.48	0.75	1717.20	1.1	1716.86	1.3	1714.29	0.99	1717.99	0.44	1709.77
09/23/23	2.1	1710.54	0.87	1710.06	0.84	1714.62	0.66	1717.27	1.1	1716.82	1.5	1714.74	0.96	1718.01	0.43	1709.47
09/24/23	2.4	1710.37	0.86	1709.78	0.66	1715.35	0.52	1717.29	1.0	1716.80	1.5	1715.53	1.1	1718.53	0.43	1708.96
09/25/23	2.2	1710.33	0.85	1709.93	0.26	1716.59	0.63	1717.96	1.0	1716.39	1.4	1715.58	1.0	1717.14	0.43	1709.40
09/26/23	2.2	1710.48	0.92	1709.96	0.61	1714.05	0.69	1717.02	1.0	1716.50	1.3	1715.36	0.97	1717.01	0.41	1709.42
09/27/23	2.2	1710.45	0.92	1709.89	0.61	1713.99	0.70	1717.17	1.0	1716.47	1.4	1715.24	1.0	1717.16	0.43	1709.33
09/28/23	2.2	1711.43	0.93	1709.79	0.69	1714.64	0.70	1717.30	1.1	1716.64	1.4	1716.00	1.0	1717.61	0.42	1709.50
09/29/23	2.1	1711.63	0.80	1710.26	0.84	1714.45	0.60	1716.89	1.0	1717.25	1.3	1716.49	0.92	1717.79	0.42	1710.41
09/30/23	2.2	1711.67	0.89	1710.15	0.72	1714.14	0.65	1716.72	1.0	1717.28	1.3	1716.78	0.97	1717.15	0.42	1710.49
Monthly Average	2.1	1710.32	0.83	1710.07	0.80	1712.98	0.60	1716.96	1.1	1716.14	1.4	1714.42	0.90	1718.13	0.41	1709.87
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 ² (mg/L)	Date
Perchlorate	490	9/11/2023	810	9/11/2023	330	9/11/2023	67	9/11/2023	360	9/11/2023	950	9/11/2023	740	9/11/2023	1150	9/11/2023
Hexavalent Chromium	0.097	9/11/2023	0.62	9/11/2023	0.73	9/11/2023	0.026	9/11/2023	0.028	9/11/2023	0.12	9/11/2023	0.064	9/11/2023	0.25	9/11/2023
Total Chromium	0.089	9/11/2023	0.59	9/11/2023	0.69	9/11/2023	0.022	9/11/2023	0.022	9/11/2023	0.11	9/11/2023	0.057	9/11/2023	0.24	9/11/2023

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: Duplicates taken on 09/11 for well E2-5; average of both values is presented and used for calculations.

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

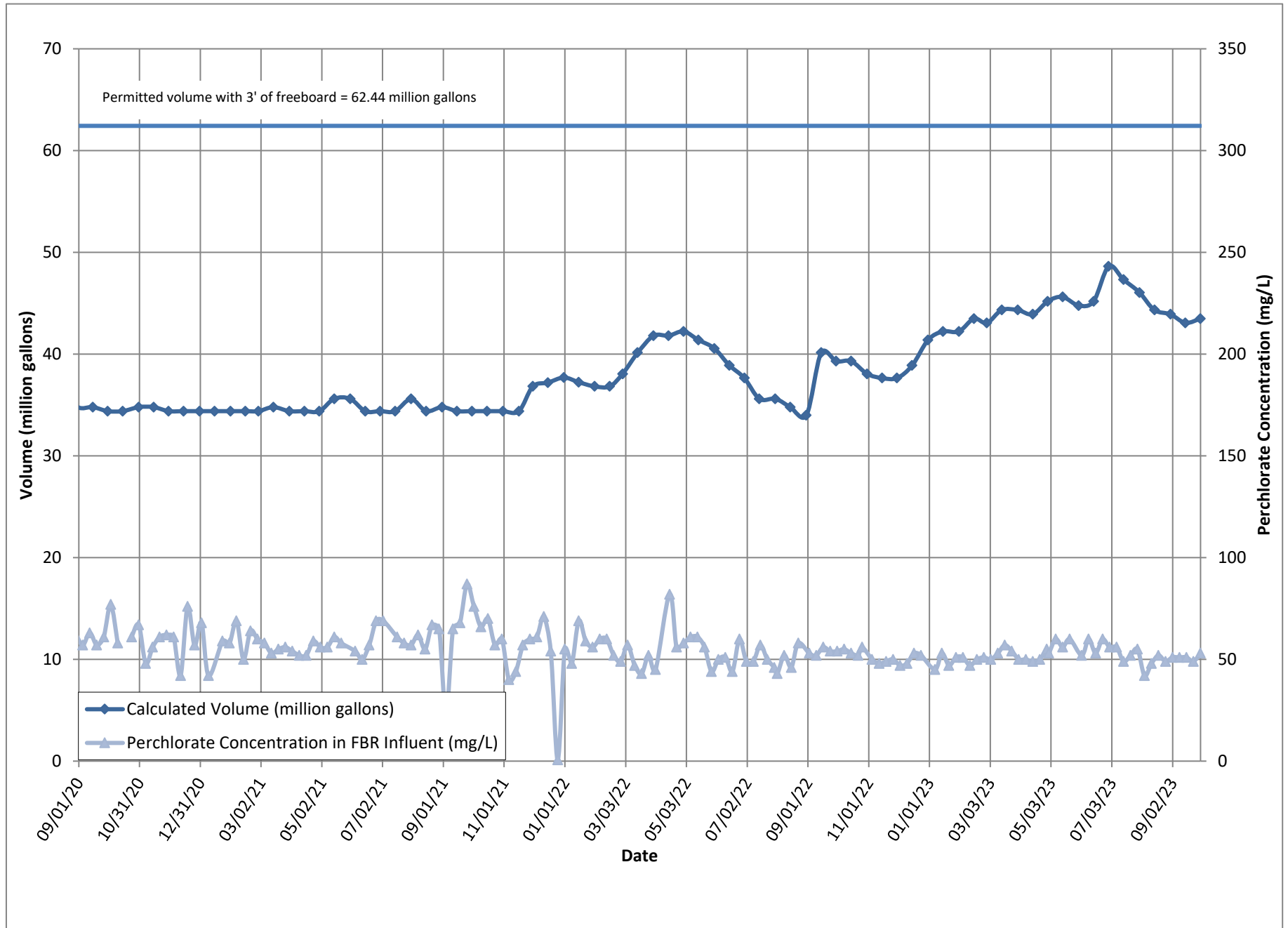


Figure 2 - Historical Perchlorate Mass Removed From Environment

