

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	LS #1 Flow (gpm)	PC-116R (East Well)		PC-99R2/R3 (Center Well)		PC-115R (West Well)		PC-117		PC-118		PC-119		PC-120		PC-121		PC-133		
		Flow ^{2,3} (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow ^{2,3} (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow ^{2,5} (gpm)	Water Elevation (ft amsl)	Flow ^{2,6,7} (gpm)	Water Elevation (ft amsl)	Flow ^{2,7} (gpm)	Water Elevation (ft amsl)	Flow ^{2,7} (gpm)	Water Elevation (ft amsl)	Flow ⁶ (gpm)	Water Elevation ⁸ (ft amsl)	
03/01/22	562	120	1544.56	63	1550.00	91	1549.19	108	1538.24	67	1551.19	101	1553.28	119	1552.21	35	1554.73	11	< 1520.00	
03/02/22	562	120	1544.57	63	1550.00	91	1549.13	108	1538.23	67	1551.14	101	1553.22	119	1552.15	35	1554.66	11	< 1520.00	
03/03/22	563	120	1544.54	63	1550.00	91	1549.08	108	1538.19	67	1551.09	101	1553.16	119	1552.09	35	1554.59	11	< 1520.00	
03/04/22	563	120	1544.45	63	1550.00	91	1548.99	108	1538.11	67	1551.01	101	1553.06	119	1551.98	35	1554.47	11	< 1520.00	
03/05/22	563	120	1544.37	63	1550.00	91	1548.90	108	1538.03	67	1550.93	101	1552.97	119	1551.88	35	1554.37	11	< 1520.00	
03/06/22	562	120	1544.28	63	1549.96	91	1548.79	108	1537.94	67	1550.84	101	1552.86	119	1551.77	35	1554.26	11	< 1520.00	
03/07/22	562	120	1544.22	63	1549.89	90	1548.71	108	1537.88	67	1550.78	101	1552.78	119	1551.68	35	1554.17	11	< 1520.00	
03/08/22	562	120	1544.18	63	1549.85	90	1548.67	107	1537.85	67	1550.74	101	1552.74	118	1551.67	35	1554.15	11	< 1520.00	
03/09/22	562	120	1544.13	63	1549.81	90	1548.63	108	1537.81	67	1550.71	101	1552.70	118	1551.63	35	1554.10	11	< 1520.00	
03/10/22	562	120	1544.03	63	1549.71	90	1548.52	107	1537.72	66	1550.61	101	1552.58	118	1551.50	35	1553.96	11	< 1520.00	
03/11/22	564	120	1543.97	63	1549.62	90	1548.43	107	1537.64	66	1550.53	101	1552.49	118	1551.41	35	1553.88	11	< 1520.00	
03/12/22	562	120	1543.94	63	1549.59	90	1548.40	107	1537.62	66	1550.51	101	1552.47	118	1551.39	35	1553.86	11	< 1520.00	
03/13/22	562	120	1543.89	63	1549.55	90	1548.35	107	1537.58	66	1550.47	101	1552.42	118	1551.33	35	1553.80	11	< 1520.00	
03/14/22	558	120	1543.81	63	1549.46	90	1548.27	107	1537.51	66	1550.39	101	1552.32	118	1551.23	35	1553.70	11	< 1520.00	
03/15/22	547	154	1541.38	82	1545.24	126	1546.70	107	1537.15	66	1550.16	98	1552.13	120	1551.00	35	1553.57	11	< 1520.00	
03/16/22	546	161	1540.60	86	1544.22	133	1546.20	107	1536.92	66	1550.00	98	1551.95	120	1550.81	35	1553.41	11	< 1520.00	
03/17/22	544	161	1540.38	85	1544.09	133	1546.05	107	1536.78	66	1549.88	98	1551.81	120	1550.67	35	1553.28	11	< 1520.00	
03/18/22	543	161	1540.25	85	1544.00	133	1545.95	107	1536.68	66	1549.80	98	1551.72	120	1550.58	35	1553.20	11	< 1520.00	
03/19/22	543	161	1540.16	85	1543.94	133	1545.88	107	1536.61	66	1549.75	98	1551.66	120	1550.52	35	1553.14	11	< 1520.00	
03/20/22	543	161	1540.05	85	1543.87	133	1545.79	107	1536.53	66	1549.67	98	1551.56	120	1550.42	35	1553.05	11	< 1520.00	
03/21/22	543	160	1539.97	85	1543.80	132	1545.70	107	1536.45	66	1549.60	98	1551.47	120	1550.36	35	1552.97	11	< 1520.00	
03/22/22	543	160	1539.90	85	1543.74	132	1545.62	107	1536.38	66	1549.54	98	1551.40	120	1550.29	35	1552.90	11	< 1520.00	
03/23/22	543	160	1539.83	85	1543.69	132	1545.56	107	1536.32	66	1549.49	98	1551.35	120	1550.23	35	1552.84	11	< 1520.00	
03/24/22	543	160	1539.77	85	1543.65	132	1545.50	107	1536.28	66	1549.45	97	1551.30	120	1550.18	35	1552.80	11	< 1520.00	
03/25/22	543	160	1539.71	85	1543.61	132	1545.45	107	1536.22	66	1549.41	97	1551.25	120	1550.13	35	1552.76	11	< 1520.00	
03/26/22	536	160	1539.65	85	1543.57	132	1545.40	107	1536.18	66	1549.38	97	1551.21	120	1550.09	35	1552.72	11	< 1520.00	
03/27/22	535	160	1539.59	85	1543.52	132	1545.35	107	1536.13	66	1549.34	97	1551.17	120	1550.05	35	1552.68	11	< 1520.00	
03/28/22	537	160	1539.55	85	1543.49	132	1545.31	107	1536.09	66	1549.31	97	1551.13	120	1550.02	35	1552.65	11	< 1520.00	
03/29/22	494	160	1539.58	85	1543.51	132	1545.36	107	1536.10	69	1549.32	100	1551.28	77	1551.48	25	1553.21	11	< 1520.00	
03/30/22	473	160	1539.65	85	1543.54	132	1545.43	107	1536.14	71	1549.36	101	1551.40	55	1552.25	21	1553.54	11	< 1520.00	
03/31/22	479	146	1540.72	85	1543.57	124	1545.74	100	1537.20	72	1549.30	105	1551.24	84	1551.28	27	1553.14	11	< 1520.00	
Monthly Average	545	142	1541.93	75	1546.53	113	1547.07	107	1537.11	67	1550.12	100	1552.07	115	1551.11	34	1553.57	11	< 1520.00	
Analytical	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
	Perchlorate	6.9	3/8/2022	7.0	3/8/2022	2.9	3/8/2022	6.0	3/8/2022	3.3	3/8/2022	2.1	3/8/2022	0.82	3/8/2022	0.47	3/8/2022	6.30	3/8/2022	
Hexavalent Chromium	0.0022	3/8/2022	ND	3/8/2022	ND	3/8/2022	0.0026	3/8/2022	ND	3/8/2022	ND	3/8/2022	ND	3/8/2022	ND	3/8/2022	0.0025	3/8/2022		
Total Chromium	ND	3/8/2022	ND	3/8/2022	ND	3/8/2022	ND	3/8/2022	ND	3/8/2022	ND	3/8/2022	ND	3/8/2022	ND	3/8/2022	ND	3/8/2022		

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 ug/L, Cr(VI) =0.20 ug/L).
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 03/31, PC-116R, PC-115R, PC-117, PC-118, PC-119, PC-120, and PC-121 flows adjusted.
 3: On 03/15, PC-116R, PC-99R2/R3 and PC-115R flows adjusted.
 4: Duplicates taken on 03/08 for well PC-117; average of both values is presented and used for calculations.
 5: From 03/29 to 03/31, PC-118 switched from LS-1 to IX.
 6: On 03/15, PC-119 and PC-133 switched from LS-1 to IX.
 7: On 03/29, PC-119, PC-120, and PC-121 flow adjusted.
 8: 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.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																	
Date	LS #3 Flow (gpm)	ART-1/1A		ART-2/2A		ART-3/3A		ART-4/4A		ART-9		ART-7A/7B		ART-8/8A		PC-150	
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)
03/01/22	438	42	1586.80	144	1587.25	28	1585.37	5.8	1578.83	81	1581.54	23	1586.21	173	1584.07	1.5	1579.70
03/02/22	438	42	1586.82	144	1587.27	28	1585.38	5.8	1578.83	81	1581.51	23	1586.13	173	1584.08	1.5	1579.70
03/03/22	439	42	1586.84	144	1587.29	28	1585.40	5.8	1578.83	81	1581.44	23	1585.92	173	1584.10	1.5	1579.71
03/04/22	438	42	1586.82	144	1587.27	28	1585.39	5.8	1578.83	82	1581.21	23	1585.84	173	1584.09	1.5	1579.70
03/05/22	439	42	1586.78	144	1587.23	28	1585.37	5.8	1578.83	82	1580.95	23	1585.90	173	1584.06	1.5	1579.69
03/06/22	438	42	1586.73	144	1587.18	28	1585.33	5.8	1578.83	82	1580.55	23	1586.11	173	1584.02	1.5	1579.68
03/07/22	438	42	1586.70	144	1587.14	28	1585.31	5.8	1578.83	83	1580.17	22	1586.26	173	1583.99	1.5	1579.67
03/08/22	438	42	1586.69	144	1587.14	28	1585.31	5.8	1578.83	83	1580.00	22	1586.13	173	1583.99	1.5	1579.68
03/09/22	438	42	1586.68	144	1587.13	28	1585.31	5.8	1578.83	83	1579.93	22	1585.85	173	1583.99	1.5	1579.68
03/10/22	438	42	1586.62	144	1587.07	28	1585.26	5.1	1578.83	83	1579.40	22	1585.98	173	1583.94	1.5	1579.66
03/11/22	437	42	1586.58	144	1587.01	28	1585.23	5.7	1578.82	83	1578.62	22	1586.31	173	1583.89	1.5	1579.64
03/12/22	437	42	1586.57	144	1587.01	28	1585.23	5.7	1578.83	82	1578.31	22	1586.15	173	1583.89	1.5	1579.65
03/13/22	437	42	1586.55	144	1586.99	28	1585.21	5.6	1578.83	82	1577.96	22	1585.90	173	1583.88	1.5	1579.65
03/14/22	436	42	1586.50	144	1586.93	28	1585.17	5.6	1578.83	82	1577.82	22	1586.14	173	1583.83	1.5	1579.63
03/15/22	436	42	1586.49	144	1586.92	28	1585.17	5.6	1578.83	80	1577.80	22	1585.93	173	1583.82	1.5	1579.64
03/16/22	436	42	1586.46	144	1586.88	28	1585.14	5.6	1578.83	79	1577.76	22	1585.84	173	1583.80	1.5	1579.62
03/17/22	435	42	1586.42	144	1586.84	28	1585.11	5.6	1578.83	79	1577.71	22	1585.98	173	1583.76	1.5	1579.61
03/18/22	435	42	1586.39	144	1586.80	28	1585.09	5.6	1578.83	79	1577.49	22	1585.91	173	1583.74	1.5	1579.60
03/19/22	434	42	1586.38	144	1586.79	28	1585.08	5.6	1578.83	81	1577.40	22	1585.71	173	1583.73	1.5	1579.60
03/20/22	434	42	1586.34	144	1586.75	27	1585.05	5.5	1578.83	81	1577.31	22	1585.67	173	1583.69	1.5	1579.59
03/21/22	433	42	1586.30	144	1586.70	27	1585.02	5.5	1578.82	80	1577.19	22	1585.91	172	1583.65	1.5	1579.58
03/22/22	433	42	1586.27	144	1586.67	27	1584.99	5.5	1578.82	80	1577.12	22	1585.99	172	1583.63	1.5	1579.57
03/23/22	432	42	1586.25	144	1586.64	27	1584.98	5.5	1578.82	80	1577.08	22	1585.98	172	1583.61	1.5	1579.57
03/24/22	432	42	1586.24	143	1586.62	27	1584.96	5.5	1578.82	79	1577.06	22	1585.83	172	1583.60	1.5	1579.57
03/25/22	427	42	1586.26	143	1586.67	27	1584.99	5.5	1578.83	79	1577.05	22	1585.74	167	1583.53	1.5	1579.56
03/26/22	432	42	1586.22	143	1586.60	27	1584.95	5.4	1578.83	79	1577.03	22	1585.59	172	1583.58	1.5	1579.56
03/27/22	431	42	1586.20	143	1586.57	27	1584.93	5.4	1578.83	79	1577.00	22	1585.49	172	1583.56	1.5	1579.55
03/28/22	431	42	1586.18	143	1586.55	27	1584.91	5.4	1578.82	78	1576.97	22	1585.42	172	1583.55	1.5	1579.54
03/29/22	430	42	1586.15	143	1586.52	27	1584.89	5.4	1578.82	78	1576.95	22	1585.52	172	1583.52	1.5	1579.54
03/30/22	430	42	1586.14	143	1586.50	27	1584.88	5.4	1578.82	78	1576.94	22	1585.62	172	1583.51	1.5	1579.53
03/31/22	429	42	1586.13	143	1586.49	27	1584.87	5.4	1578.82	78	1576.92	22	1585.49	172	1583.50	1.5	1579.53
Monthly Average	435	42	1586.47	144	1586.88	28	1585.14	5.6	1578.83	81	1578.46	22	1585.89	172	1583.79	1.5	1579.62
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 ³ (mg/L)	Date	Conc (mg/L)	Date	
Perchlorate	24	3/8/2022	7.9	3/8/2022	130	3/8/2022	80	3/8/2022	130	3/8/2022	49	3/8/2022	52	3/8/2022	41	3/8/2022	
Hexavalent Chromium	ND	3/8/2022	0.0016	3/8/2022	0.23	3/8/2022	0.10	3/8/2022	0.51	3/8/2022	0.33	3/8/2022	0.049	3/8/2022	0.040	3/8/2022	
Total Chromium	ND	3/8/2022	ND	3/8/2022	0.22	3/8/2022	0.087	3/8/2022	0.50	3/8/2022	0.31	3/8/2022	0.040	3/8/2022	0.035	3/8/2022	

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (ClO₂ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₂-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 ART-1, 2, 3, 4, 7B, and 8 have adjacent recovery wells, both of which can be used for extraction. The pumping well can be chosen manually or automatically, based on operational considerations.
 The wells with transducers are ART-1, -2, -3, -4, -7A, -8, -9, and PC-150
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 03/25, ART-8A offline briefly due to maintenance.
 3: Duplicates taken on 03/08 for well ART-8/8A; average of both values is presented and used for calculations.
 4: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 03/01-03/31 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.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow (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 ⁵ (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)
03/01/22	0.18	1717.59	0.94	1707.78	0.0	1719.09	0.0	1724.79	0.35	1723.63	0.44	1709.58	4.1	1708.80	1.2	1707.19	0.99	1714.09	3.9	1708.72
03/02/22	0.18	1717.65	0.94	1707.80	0.0	1719.09	0.01	1724.01	0.35	1723.63	0.43	1709.58	4.1	1708.80	1.2	1707.02	1.0	1713.99	3.9	1708.72
03/03/22 ²	0.18	1717.72	0.94	1707.73	0.2	1714.10	0.0	1724.99	0.35	1723.64	0.43	1709.64	4.1	1708.90	1.2	1707.42	0.99	1714.08	3.6	1708.84
03/04/22	0.18	1717.73	0.94	1707.68	0.10	1716.47	0.0	1724.95	0.35	1723.57	0.44	1709.60	4.1	1708.81	1.2	1706.59	0.99	1714.05	3.4	1708.72
03/05/22	0.2	1717.81	0.94	1707.74	0.0	1719.10	0.0	1725.01	0.35	1723.56	0.44	1709.61	4.1	1708.81	1.2	1706.70	0.99	1714.02	3.4	1708.72
03/06/22	0.2	1717.90	0.92	1708.06	0.0	1719.09	0.0	1724.90	0.35	1723.56	0.43	1709.60	4.1	1708.81	1.2	1707.25	0.99	1714.04	3.4	1708.72
03/07/22 ³	0.18	1717.96	0.91	1708.48	0.0	1719.10	0.0	1724.84	0.33	1723.62	0.41	1709.68	4.1	1709.03	1.2	1708.96	0.98	1714.07	3.4	1708.93
03/08/22	0.18	1717.83	0.92	1708.24	0.00	1719.09	0.0	1724.81	0.36	1723.50	0.42	1709.62	4.1	1708.81	1.2	1707.98	1.0	1713.94	3.4	1708.72
03/09/22	0.17	1717.93	0.92	1708.14	0.00	1719.09	0.0	1724.78	0.36	1723.49	0.42	1709.62	4.1	1708.81	1.2	1707.89	0.99	1714.02	3.4	1708.72
03/10/22 ²	0.15	1718.62	0.92	1708.22	0.00	1719.09	0.0	1724.79	0.34	1723.53	0.41	1709.71	4.1	1709.00	1.2	1708.90	0.97	1714.17	3.4	1708.90
03/11/22	0.13	1719.95	0.92	1708.23	0.0	1719.11	0.0	1724.75	0.35	1723.48	0.45	1709.63	4.1	1708.81	1.2	1707.78	0.97	1714.17	3.5	1708.72
03/12/22	0.13	1720.20	0.90	1708.61	0.0	1719.12	0.0	1724.71	0.35	1723.49	0.43	1709.63	4.1	1708.81	1.2	1707.41	0.97	1714.16	3.5	1708.72
03/13/22	0.12	1720.30	0.90	1708.66	0.0	1719.13	0.0	1724.72	0.35	1723.48	0.43	1709.62	4.1	1708.81	1.2	1707.39	0.97	1714.14	3.5	1708.72
03/14/22	0.12	1720.32	0.89	1708.79	0.0	1719.12	0.0	1724.67	0.35	1723.47	0.43	1709.62	4.1	1708.81	1.2	1707.29	0.97	1714.14	3.5	1708.72
03/15/22	0.11	1720.45	0.88	1708.93	0.0	1719.04	0.0	1724.62	0.35	1723.48	0.41	1709.67	4.1	1708.81	1.2	1706.72	0.96	1714.22	3.5	1708.72
03/16/22	0.11	1720.56	0.89	1708.66	0.0	1719.03	0.0	1724.62	0.35	1723.48	0.41	1709.66	4.1	1708.81	1.2	1706.82	0.95	1714.28	3.3	1708.74
03/17/22	0.11	1720.70	0.89	1708.71	0.0	1719.02	0.0	1724.63	0.34	1723.47	0.41	1709.65	4.1	1708.81	1.2	1706.68	0.95	1714.28	3.5	1708.73
03/18/22	0.10	1720.92	0.89	1708.71	0.0	1719.01	0.0	1724.63	0.35	1723.47	0.41	1709.66	4.1	1708.81	1.2	1706.48	0.95	1714.27	3.5	1708.73
03/19/22 ³	0.11	1720.92	0.86	1709.30	0.0	1719.03	0.0	1724.64	0.36	1723.42	0.40	1709.66	4.1	1708.95	1.2	1707.23	1.0	1713.11	3.5	1708.79
03/20/22	0.11	1720.85	0.87	1709.21	0.0	1719.03	0.0	1724.63	0.36	1723.36	0.41	1709.67	4.1	1708.81	1.2	1707.19	1.1	1710.53	3.5	1708.73
03/21/22	0.11	1720.94	0.83	1709.86	0.0	1719.03	0.0	1724.60	0.37	1723.31	0.41	1709.63	4.1	1708.81	1.2	1707.05	1.1	1710.10	3.4	1708.73
03/22/22	0.11	1720.85	0.85	1709.53	0.0	1719.03	0.0	1724.55	0.38	1723.26	0.41	1709.63	4.1	1708.81	1.2	1707.10	1.1	1711.58	3.4	1708.74
03/23/22	0.11	1720.21	0.82	1710.21	0.0	1719.04	0.0	1724.53	0.38	1723.26	0.41	1709.63	4.1	1708.81	1.2	1707.38	1.1	1712.15	3.4	1708.74
03/24/22 ²	0.12	1720.15	0.82	1710.27	0.0	1719.06	0.0	1724.54	0.36	1723.33	0.38	1709.70	4.2	1709.50	1.2	1707.04	1.1	1712.11	3.5	1708.80
03/25/22 ²	0.11	1720.14	0.82	1710.17	0.0	1719.07	0.0	1724.51	0.35	1723.38	0.33	1709.74	4.2	1709.18	1.2	1705.75	1.1	1711.15	3.4	1708.86
03/26/22	0.10	1720.43	0.84	1709.74	0.0	1719.09	0.0	1724.49	0.36	1723.36	0.34	1709.65	4.1	1708.81	1.2	1705.61	1.1	1710.83	3.4	1708.77
03/27/22	0.11	1720.23	0.85	1709.60	0.0	1719.09	0.0	1724.49	0.36	1723.31	0.36	1709.67	4.1	1708.81	1.2	1705.61	1.1	1711.96	3.4	1708.78
03/28/22	0.11	1720.35	0.84	1709.78	0.0	1719.10	0.0	1724.50	0.37	1723.29	0.41	1709.65	4.1	1708.81	1.2	1705.61	1.1	1712.33	3.4	1708.79
03/29/22 ³	0.11	1720.39	0.90	1708.41	0.00	1719.07	0.0	1724.52	0.36	1723.30	0.39	1709.68	4.2	1709.69	1.2	1705.63	1.1	1712.30	3.3	1708.81
03/30/22	0.11	1720.39	0.93	1707.63	0.00	1719.00	0.0	1724.45	0.36	1723.29	0.38	1709.67	5.3	1716.32	1.2	1705.62	1.1	1711.86	3.3	1708.80
03/31/22 ²	0.10	1720.53	0.93	1707.70	0.00	1719.06	0.0	1724.44	0.35	1723.34	0.37	1709.93	6.2	1721.05	1.3	1705.94	1.1	1712.62	3.4	1708.86
Monthly Average	0.13	1719.63	0.89	1708.73	0.011	1718.83	0.0	1724.65	0.35	1723.44	0.41	1709.65	4.2	1709.53	1.2	1706.94	1	1713.12	3.5	1708.76
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	430	3/3/2022	29	3/3/2022	99	3/3/2022	190	3/2/2022	200	3/2/2022	290	3/3/2022	430	3/1/2022	690	3/1/2022	360	3/1/2022	570	3/1/2022
Hexavalent Chromium	0.21	3/3/2022	0.053	3/3/2022	ND	3/3/2022	1.7	3/2/2022	1.7	3/2/2022	0.20	3/3/2022	2.5	3/1/2022	4.2	3/1/2022	5.2	3/1/2022	11	3/1/2022
Total Chromium	0.77	3/3/2022	0.052	3/3/2022	0.016	3/3/2022	1.8	3/2/2022	1.8	3/2/2022	0.21	3/3/2022	2.6	3/1/2022	4.6	3/1/2022	5.6	3/1/2022	12	3/1/2022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 03/03, 03/07, 03/10, 03/19, 03/24, 03/25, 03/29, and 03/31, IWF offline due to maintenance
 3: From 03/03 to 03/04, I-AB online for sampling.
 4: On 03/24, I-D, I-F, I-J, I-K, I-M, I-N, I-O, I-R, I-S, and I-X adjusted to meet flow targets as directed by the Trust.
 5: On 03/19, I-E, I-L, I-N, I-S, and I-X adjusted to meet flow targets as directed by the Trust.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (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 ^{5,7} (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow ^{4,5} (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
03/01/22	0.17	1720.92	1.2	1719.56	4.2	1722.35	6.0	1720.65	3.0	1716.13	1.1	< 1714.01	2.0	1717.22	2.6	1712.56	0.39	1722.14	1.9	1722.02
03/02/22	0.17	1720.91	1	1719.58	4.1	1722.35	6.0	1720.60	3.0	1716.05	1.1	< 1714.01	2.0	1717.20	2.6	1712.56	0.39	1722.13	1.9	1722.00
03/03/22 ²	0.17	1720.91	1.2	1719.65	4.1	1722.36	5.9	1720.68	2.9	1715.97	0.99	1714.69	2.0	1717.26	2.6	1712.55	0.37	1722.14	1.8	1722.02
03/04/22	0.17	1720.89	1.2	1719.61	4.3	1722.33	6.0	1720.48	3.0	1715.82	0.95	1715.02	2.0	1717.24	2.6	1712.51	0.37	1722.12	1.8	1722.00
03/05/22	0.16	1720.88	1.2	1719.54	4.3	1722.32	6.0	1720.33	3.0	1715.74	0.95	1715.01	2.0	1717.22	2.6	1712.51	0.38	1722.10	1.8	1721.99
03/06/22	0.16	1720.86	1.2	1719.48	4.3	1722.29	6.0	1720.23	2.9	1715.67	0.95	1714.92	2.0	1717.20	2.6	1712.51	0.38	1722.07	1.8	1721.96
03/07/22 ²	0.16	1720.84	1.1	1719.65	4.2	1722.30	5.9	1720.41	2.9	1715.91	0.84	1715.91	2.0	1717.31	2.6	1712.56	0.31	1722.08	1.8	1721.92
03/08/22	0.17	1720.84	1.1	1719.67	4.3	1722.29	5.9	1720.29	2.9	1715.90	0.84	1715.98	2.0	1717.27	2.6	1712.50	0.30	1722.07	1.8	1721.95
03/09/22	0.16	1720.84	1.1	1719.69	4.2	1722.29	5.9	1720.33	2.9	1715.87	0.84	1715.96	2.0	1717.25	2.6	1712.50	0.30	1722.08	1.8	1721.95
03/10/22 ²	0.18	1720.78	1.1	1719.74	4.2	1722.28	5.8	1720.47	2.8	1715.85	0.90	1715.52	2.0	1717.33	2.6	1712.57	0.29	1722.07	1.8	1721.90
03/11/22	0.21	1720.68	1.1	1719.72	4.3	1722.25	5.9	1720.30	2.9	1715.74	0.94	1715.16	2.0	1717.30	2.6	1712.48	0.29	1722.04	1.8	1721.92
03/12/22	0.19	1720.71	1.1	1719.72	4.2	1722.26	5.8	1720.48	2.9	1715.77	0.93	1715.26	2.0	1717.31	2.6	1712.45	0.29	1722.04	1.8	1721.92
03/13/22	0.19	1720.72	1.1	1719.72	4.2	1722.26	5.8	1720.59	2.9	1715.80	0.91	1715.39	2.0	1717.30	2.6	1712.46	0.29	1722.04	1.7	1721.92
03/14/22	0.19	1720.69	1.1	1719.69	4.3	1722.23	5.8	1720.45	2.9	1715.73	1.0	1714.98	2.0	1717.28	2.5	1712.61	0.29	1722.02	1.7	1721.90
03/15/22	0.19	1720.69	1.1	1719.71	4.1	1722.25	5.8	1720.56	2.8	1715.82	1.2	< 1714.01	2.0	1717.28	2.5	1712.50	0.29	1722.03	1.7	1721.91
03/16/22	0.19	1720.67	1.1	1719.70	4.2	1722.24	5.8	1720.55	2.8	1715.86	1.2	< 1710.35	2.0	1717.27	2.5	1712.51	0.29	1722.02	1.7	1721.90
03/17/22	0.19	1720.64	1.1	1719.69	4.2	1722.22	5.8	1720.51	2.8	1715.83	1.2	< 1710.35	2.0	1717.27	2.5	1712.51	0.29	1722.00	1.7	1721.88
03/18/22	0.19	1720.63	1.1	1719.67	4.2	1722.22	5.8	1720.47	2.8	1715.72	1.2	< 1710.35	2.0	1717.26	2.5	1712.51	0.29	1722.00	1.7	1721.88
03/19/22 ²	0.18	1720.66	1.1	1719.70	4.1	1722.24	5.8	1720.60	2.8	1715.84	1.1	< 1710.35	2.0	1717.29	2.5	1712.51	0.28	1722.01	1.8	1721.86
03/20/22	0.17	1720.65	1.1	1719.64	4.2	1722.22	5.8	1720.44	2.8	1715.88	1.2	< 1710.35	2.0	1717.24	2.5	1712.50	0.27	1721.99	1.8	1721.86
03/21/22	0.17	1720.63	1.1	1719.62	4.2	1722.20	5.8	1720.32	2.8	1715.84	1.2	< 1710.35	2.0	1717.24	2.5	1712.50	0.27	1721.97	1.8	1721.83
03/22/22	0.17	1720.62	1.1	1719.60	4.2	1722.19	5.8	1720.27	2.8	1715.85	1.2	< 1710.35	1.9	1717.24	2.5	1712.51	0.28	1721.96	1.8	1721.81
03/23/22	0.17	1720.60	1.1	1719.59	4.1	1722.19	5.8	1720.26	2.7	1716.00	1.2	< 1710.35	1.9	1717.23	2.5	1712.51	0.28	1721.95	1.8	1721.80
03/24/22 ²	0.15	1720.65	1.1	1718.28	4.0	1722.19	6.2	1718.41	3.0	1714.96	1.1	< 1710.35	2.0	1717.00	2.5	1712.53	0.36	1721.93	1.8	1721.81
03/25/22 ²	0.15	1720.67	1.2	1713.71	4.0	1722.19	6.4	1717.22	3.1	1714.39	0.78	< 1710.35	2.1	1716.62	2.4	1712.55	0.44	1721.90	1.8	1721.78
03/26/22	0.15	1720.66	1.2	1714.48	3.9	1722.17	6.4	1716.97	3.1	1714.38	0.65	< 1710.35	2.2	1716.51	2.4	1712.52	0.38	1721.90	1.8	1721.76
03/27/22	0.15	1720.66	1.2	1715.49	4.0	1722.16	6.4	1716.81	3.0	1714.44	0.64	< 1710.35	2.2	1716.47	2.4	1712.52	0.38	1721.88	1.8	1721.74
03/28/22	0.15	1720.65	1.3	1715.85	4.1	1722.15	6.4	1716.70	3.0	1714.47	0.65	< 1710.35	2.2	1716.44	2.4	1712.51	0.39	1721.86	1.8	1721.72
03/29/22 ²	0.20	1719.82	1.3	1714.99	4.2	1722.13	6.4	1716.61	3.0	1714.42	1.0	< 1710.35	2.1	1716.51	2.4	1712.52	0.61	1721.78	1.8	1721.68
03/30/22	0.23	1718.98	1.2	1714.00	4.1	1722.11	6.4	1716.44	3.0	1714.54	1.2	< 1710.35	2.1	1716.56	2.2	1713.59	0.71	1721.73	1.8	1721.65
03/31/22 ²	0.21	1719.22	1.2	1713.83	4.0	1722.11	6.4	1716.55	2.9	1714.87	1.1	< 1710.35	2.1	1716.80	2.2	1714.01	0.59	1721.74	1.8	1721.63
Monthly Average	0.18	1720.60	1.1	1718.47	4.2	1722.24	6.0	1719.55	2.9	1715.52	1.00	< 1712.63	2.0	1717.09	2.5	1712.60	0.36	1721.99	1.8	1721.87
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ^c (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	700	3/1/2022	680	3/1/2022	450	3/2/2022	190	3/2/2022	260	3/2/2022	450	3/3/2022	630	3/1/2022	430	3/1/2022	530	3/1/2022	590	3/1/2022
Hexavalent Chromium	13	3/1/2022	11	3/1/2022	5.9	3/2/2022	3.3	3/2/2022	2.4	3/2/2022	1.3	3/3/2022	4.4	3/1/2022	6.1	3/1/2022	7.7	3/1/2022	9.2	3/1/2022
Total Chromium	14	3/1/2022	12	3/1/2022	6.8	3/2/2022	3.4	3/2/2022	2.4	3/2/2022	1.2	3/3/2022	5.3	3/1/2022	6.6	3/1/2022	8.7	3/1/2022	10	3/1/2022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 03/03, 03/07, 03/10, 03/19, 03/24, 03/25, 03/29, and 03/31, IWF offline due to maintenance
 4: On 03/24, I-D, I-F, I-J, I-K, I-M, I-N, I-O, I-R, I-S, and I-X adjusted to meet flow targets as directed by the Trust.
 5: On 03/19, I-E, I-L, I-S, and I-X adjusted to meet flow targets as directed by the Trust.
 6: Duplicates taken on 03/02 for well I-J; average of both values is presented and used for calculations.
 7: On 03/16 and 03/31, I-L, I-Y, and I-Z water level taken manually due to water level dropping below transducer level. 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.

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 ^{4,7} (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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{4,5} (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ^{7,8} (gpm)	Water Elevation (ft amsl)
03/01/22	0.17	1717.06	0.88	1717.84	1.9	1706.61	0.41	1716.67	0.60	1715.09	4.4	1720.83	0.64	1721.76	3.2	1698.32	1.4	< 1699.92	8.6	< 1710.00
03/02/22	0.17	1717.05	0.87	1717.86	1.8	1706.62	0.41	1716.67	0.59	1715.27	4.4	1720.81	0.64	1721.75	3.2	1698.32	1.4	< 1699.97	8.5	< 1710.00
03/03/22 ²	0.26	1716.59	0.78	1718.87	1.8	1706.81	0.40	1716.74	0.59	1715.05	4.3	1720.84	0.64	1721.76	3.2	1698.57	1.4	< 1700.01	8.5	< 1710.13
03/04/22	0.31	1716.25	0.77	1719.19	1.8	1706.63	0.40	1716.62	0.60	1714.81	4.4	1720.79	0.65	1721.67	3.2	1698.31	1.4	< 1699.60	8.5	< 1710.00
03/05/22	0.30	1716.31	0.79	1719.08	1.8	1706.61	0.40	1716.56	0.61	1714.77	4.4	1720.76	0.65	1721.63	3.2	1698.31	1.4	< 1700.15	8.5	< 1710.00
03/06/22	0.29	1716.33	0.84	1718.82	1.8	1706.61	0.40	1716.48	0.59	1714.91	4.4	1720.72	0.65	1721.56	3.2	1698.31	1.4	< 1699.55	8.4	< 1710.00
03/07/22 ²	0.20	1716.86	0.85	1719.50	1.8	1706.97	0.40	1716.52	0.62	1714.47	4.3	1720.74	0.62	1721.62	3.2	1698.79	1.4	< 1700.13	8.4	< 1710.20
03/08/22	0.18	1716.97	0.90	1719.19	1.8	1706.74	0.40	1716.43	0.56	1715.39	4.4	1720.71	0.63	1721.58	3.2	1698.32	1.4	< 1700.26	8.5	< 1710.00
03/09/22	0.19	1716.93	0.88	1719.21	1.8	1706.81	0.40	1716.40	0.55	1715.64	4.4	1720.71	0.63	1721.59	3.2	1698.33	1.4	< 1700.11	8.4	< 1710.00
03/10/22 ²	0.17	1717.01	0.79	1720.35	1.8	1706.80	0.40	1716.45	0.56	1715.41	4.3	1720.71	0.62	1721.59	3.2	1698.66	1.4	< 1700.09	8.4	< 1710.15
03/11/22	0.16	1717.07	0.74	1720.93	1.9	1706.60	0.40	1716.29	0.58	1715.02	4.4	1720.65	0.63	1721.50	3.2	1698.31	1.4	< 1700.09	8.4	< 1710.00
03/12/22	0.16	1717.08	0.74	1720.84	1.9	1706.60	0.40	1716.27	0.58	1715.14	4.4	1720.65	0.63	1721.49	3.2	1698.31	1.4	< 1700.23	8.4	< 1710.00
03/13/22	0.16	1717.08	0.74	1720.79	1.9	1706.60	0.40	1716.25	0.58	1715.04	4.3	1720.65	0.63	1721.48	3.2	1698.32	1.4	< 1700.36	8.4	< 1710.00
03/14/22	0.16	1717.06	0.85	1720.31	1.9	1706.60	0.40	1716.21	0.58	1715.03	4.4	1720.61	0.63	1721.43	3.2	1698.38	1.4	< 1700.25	8.3	< 1710.00
03/15/22	0.26	1716.56	1.1	1718.98	1.8	1706.60	0.40	1716.16	0.59	1714.85	4.4	1720.63	0.63	1721.43	3.2	1698.35	1.4	< 1700.18	8.4	< 1710.00
03/16/22	0.23	1716.69	1.1	1718.97	1.8	1706.60	0.40	1716.16	0.56	1715.28	4.4	1720.61	0.63	1721.40	3.2	1698.40	1.3	< 1700.38	8.3	< 1709.17
03/17/22	0.22	1716.69	1.1	1718.86	1.8	1706.60	0.40	1716.12	0.53	1715.81	4.4	1720.59	0.63	1721.35	3.1	1699.08	1.3	< 1700.38	8.3	< 1709.17
03/18/22	0.22	1716.70	1.1	1718.74	1.8	1706.60	0.40	1716.11	0.52	1716.03	4.4	1720.58	0.63	1721.34	3.1	1701.82	1.3	< 1700.38	8.3	< 1709.17
03/19/22 ²	0.18	1716.89	1.1	1719.75	1.8	1707.07	0.39	1716.20	0.54	1715.55	4.3	1720.62	0.62	1721.41	3.1	1702.43	1.3	< 1700.38	8.3	< 1709.17
03/20/22	0.18	1716.93	1.0	1720.08	1.7	1707.03	0.39	1716.18	0.57	1715.03	4.4	1720.58	0.62	1721.37	3.1	1700.33	1.3	< 1700.38	8.2	< 1709.17
03/21/22	0.20	1716.80	1.0	1720.06	1.7	1708.07	0.39	1716.09	0.58	1714.85	4.4	1720.55	0.62	1721.31	3.1	1701.73	1.3	< 1700.38	8.2	< 1709.17
03/22/22	0.19	1716.80	1.00	1718.23	1.6	1708.71	0.39	1716.01	0.59	1714.85	4.4	1720.53	0.62	1721.27	3.1	1702.73	1.3	< 1700.38	8.2	< 1709.17
03/23/22	0.20	1716.74	1.0	1715.17	1.6	1709.91	0.39	1716.00	0.57	1715.18	4.3	1720.52	0.62	1721.25	3.0	1704.56	1.4	< 1700.38	8.2	< 1709.17
03/24/22 ²	0.20	1716.77	0.98	1715.50	1.6	1709.24	0.39	1715.95	0.59	1714.74	4.3	1720.54	0.61	1721.29	3.0	1703.37	1.4	< 1700.38	8.1	< 1709.17
03/25/22 ²	0.19	1716.83	0.96	1716.07	1.8	1707.01	0.40	1715.81	0.67	1713.61	4.3	1720.53	0.60	1721.25	3.1	1698.50	1.4	< 1700.38	7.8	< 1709.17
03/26/22	0.20	1716.75	0.92	1716.35	1.8	1707.48	0.40	1715.75	0.66	1713.58	4.4	1720.48	0.62	1721.16	3.1	1698.32	1.4	< 1700.38	7.8	< 1709.17
03/27/22	0.21	1716.73	0.89	1716.24	1.8	1707.62	0.39	1715.75	0.63	1713.90	4.4	1720.46	0.62	1721.11	3.1	1698.31	1.4	< 1700.38	7.8	< 1709.17
03/28/22	0.21	1716.73	0.85	1716.31	1.8	1707.48	0.39	1715.72	0.62	1714.32	4.3	1720.43	0.62	1721.07	3.1	1698.32	1.4	< 1700.38	7.2	< 1709.17
03/29/22 ²	0.18	1716.83	1.0	1715.74	1.8	1706.93	0.39	1715.75	0.68	1713.20	4.3	1720.40	0.62	1720.97	3.1	1698.33	1.4	< 1700.38	6.1	< 1709.17
03/30/22	0.17	1716.89	1.0	1715.45	1.8	1706.64	0.39	1715.68	0.72	1712.27	4.3	1720.35	0.63	1720.85	3.1	1698.32	1.3	< 1705.00	8.0	< 1709.17
03/31/22 ²	0.16	1716.97	0.98	1716.62	1.9	1707.76	0.38	1715.73	0.77	1711.57	4.3	1720.36	0.62	1720.87	3.1	1698.99	1.4	< 1705.01	8.0	< 1709.17
Monthly Average	0.20	1716.81	0.92	1718.38	1.8	1707.13	0.40	1716.18	0.60	1714.70	4.3	1720.61	0.63	1721.39	3.1	1699.34	1.4	1700.52	8.2	< 1709.59
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	570	3/1/2022	620	3/3/2022	400	3/3/2022	760	3/1/2022	750	3/1/2022	530	3/2/2022	550	3/1/2022	610	3/1/2022	420	3/3/2022	210	3/2/2022
Hexavalent Chromium	12	3/1/2022	0.78	3/3/2022	1.4	3/3/2022	13	3/1/2022	12	3/1/2022	5.7	3/2/2022	8.3	3/1/2022	7.9	3/1/2022	1.1	3/3/2022	5.1	3/2/2022
Total Chromium	13	3/1/2022	0.79	3/3/2022	1.4	3/3/2022	14	3/1/2022	14	3/1/2022	6.7	3/2/2022	9.3	3/1/2022	9.0	3/1/2022	1.1	3/3/2022	5.1	3/2/2022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 03/03, 03/07, 03/10, 03/19, 03/24, 03/25, 03/29, and 03/31, IWF offline due to maintenance
 3: On 03/24, I-D, I-F, I-J, I-K, I-M, I-N, I-O, I-R, I-S, and I-X adjusted to meet flow targets as directed by the Trust.
 4: On 03/24, I-D, I-F, I-J, I-K, I-M, I-N, I-O, I-R, I-S, and I-X adjusted to meet flow targets as directed by the Trust.
 5: On 03/19, I-E, I-L, I-N, I-S, and I-X adjusted to meet flow targets as directed by the Trust.
 7: On 03/16 and 03/31, I-L, I-Y, and I-Z water level taken manually due to water level dropping below transducer level. 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.
 8: On 03/28, I-Z offline due to maintenance.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent ¹				GW-11 Influent ¹				FBR Plant Influent ¹						
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow ⁴ (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow ⁵ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₂ (mg/L)	TA - NO ₃ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
03/01/22	979	57				0.0				1,036		44				
03/02/22	978	57	0.75	ND	430	0.0				1,035		50				
03/03/22	979	57				0.0				1,036		47				
03/04/22	979	59				0.0				1,038		48				
03/05/22	979	59				0.0				1,037	57	47				
03/06/22 ³	978	58				0.0				1,036		49				
03/07/22	978	59				1.2	0.25	0.041	46	1,037		49	110	20	0.033	0.039
03/08/22	978	59				0.0				1,037		44				
03/09/22	978	59	0.15	ND	430	0.0				1,037		43				
03/10/22	977	57				0.0				1,034		47				
03/11/22	978	59				0.0				1,037		46				
03/12/22	976	59				0.0				1,035	47	46				
03/13/22	976	56				0.0				1,032		44				
03/14/22	973	59				0.0				1,032		44		20	0.030	0.033
03/15/22	968	60				0.0				1,028		44				
03/16/22	967	60	0.37	ND	430	0.0				1,026		75				
03/17/22	964	59				0.0				1,024		48				
03/18/22	964	59				0.0				1,023		48				
03/19/22	963	60				0.0				1,022	43	48				
03/20/22	962	59				0.0				1,020		50				
03/21/22	961	60				0.0				1,020		50				
03/22/22	961	59				0.0				1,020		48		19	0.037	0.041
03/23/22	961	59	0.13	ND	420	0.0				1,020		51				
03/24/22	960	60				0.0				1,020		49				
03/25/22	960	61				0.0				1,021		32				
03/26/22	959	60				0.0				1,019	52	49				
03/27/22	959	60				0.0				1,018		45				
03/28/22	961	59				0.0				1,021		50		19	0.039	0.046
03/29/22	913	61				0.0				974		49				
03/30/22 ³	893	60	0.40	ND	430	0.0				953		47				
03/31/22 ³	898	57				0.0				955		51				
Monthly Average ²	963	59	0.33	ND	428	0.04	0.250	0.041	46	1,022	50	48	110	20	0.035	0.040

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows
 1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data.
 2: All average concentrations reported are monthly flow weighted averages.
 3: On 03/06, 03/30, and 03/31, Treatment Plant offline due to maintenance.
 4: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 03/01 to 03/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance
 5: From 03/01 to 03/31, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent

Table 4 - Treatment Plant Operational Metrics

Date	1st Stage FBR ⁶			2nd Stage FBR ⁶			FBR Plant Effluent							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ^{7,8} (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₃ (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO ₃ - N (mg/L)	ETI - Turbidity (NTU)
03/01/22	990	6.7	-358	895	6.7	-368	987		0.0					15
03/02/22	994	6.6	-338	934	6.7	-356	976		0.0					17
03/03/22	978	6.6	-350	974	6.7	-377	971		0.0					17
03/04/22	984	6.6	-353	810	6.7	-383	965		0.0					17
03/05/22	955	6.6	-348	864	6.7	-387	951	ND	0.0					17
03/06/22 ³	984	6.6	-337	840	6.7	-391	963		0.0					16
03/07/22	985	6.6	-371	892	6.7	-397	971		0.0	0.054	0.0031 J	ND	0.044 J	18
03/08/22	976	6.6	-374	806	6.7	-399	947		0.0					20
03/09/22	980	6.6	-381	865	6.7	-326	910		0.0					20
03/10/22	962	6.6	-385	890	6.7	-341	953		0.0					16
03/11/22	989	6.6	-391	829	6.7	-346	962		0.0					17
03/12/22	990	6.6	-398	872	6.7	-351	964	0.0020	0.0					17
03/13/22	975	6.6	-376	875	6.7	-357	965		0.0					15
03/14/22	957	6.6	-370	674	6.7	-357	946		0.0		ND	ND	0.053	19
03/15/22	938	6.6	-376	771	6.8	-347	895		0.0					15
03/16/22	932	6.6	-389	766	6.7	-350	932		0.0					20
03/17/22	890	6.6	-387	836	6.7	-357	935		0.0					24
03/18/22	865	6.6	-398	832	6.7	-401	896		0.0					15
03/19/22	980	6.6	-403	768	6.8	-403	915	00.0020	0.0					15
03/20/22	976	6.6	-406	732	6.8	-401	965		0.0					16
03/21/22	962	6.6	-411	822	6.7	-412	955		0.0		0.0035 J	ND	0.070	22
03/22/22	960	6.6	-411	672	6.8	-416	954		0.0					17
03/23/22	946	6.6	-407	888	6.8	-421	948		0.0					17
03/24/22	1,019	6.5	-367	679	6.7	-401	965		0.0					18
03/25/22	1,002	6.6	-404	758	6.8	-417	989		0.0					18
03/26/22	1,006	6.6	-370	815	6.8	-420	986	ND	0.0					16
03/27/22	1,011	6.6	-382	846	6.8	-422	994		0.0					12
03/28/22	1,010	6.7	-406	833	6.8	-422	997		0.0		0.0030 J	ND	0.071	22
03/29/22	1,040	6.6	-394	853	6.7	-414	998		0.0					17
03/30/22 ³	934	6.6	-393	977	6.7	-418	930		0.0					22
03/31/22 ³	927	6.6	-325	712	6.7	-358	941		0.0					18
Monthly Average ²	971	6.6	-379	825	6.7	-384	956	0.00089	ND	0.054	0.0016	0.0010	0.040	18

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows
 ND = Not detected above laboratory method detection limit (ClO₂ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
 1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data.
 2: All average concentrations reported are monthly flow weighted averages.
 3: On 03/06, 03/30, and 03/31, Treatment Plant offline due to maintenance.
 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: On 03/14, PLC data server offline; FBR effluent calculated by averaging flows.
 8: FBR Plant Effluent represents effluent discharged to Las Vegas Wash. While this may represent the entirety of the FBR Plant effluent, any diversions to GW-11 are subtracted from the original effluent flow

GW-11 Level Monitoring ¹		
Date	Field Measurement (ft)	Volume (MG)
03/15/22	27.3	40.1
03/31/22	26.1	41.8

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
3/16/2022	0	0	545	0
3/30/2022	0	0	986	0

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

Notes:

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

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

ND = Not detected above laboratory method detection limit (NH₃-N= 0.1 mg/L; Total P = 0.025 ug/L; Cr(VI) = 0.25 ug/L).

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

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

3: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: February 23, 2022

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics						
Date	Flow ¹ (gpm)	FBR Influent Concentration			Influent Function Load ² (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO ₄ (mg/L)	NO ₃ as N (mg/L)	ClO ₃ (mg/L)		
April 2021	1,027	55	6.1	110	420	467
May 2021	1,031	58	8.5	120	476	460
June 2021	1,027	58	8.1	120	470	456
July 2021	1,043	62	8.1	120	487	454
Aug 2021	1,063	62	8.6	120	502	460
Sep 2021	954	62	10.7	130	492	467
Oct 2021	924	66	11	120	464	475
Nov 2021	879	49	10	120	406	473
Dec 2021	934	42	10	110	391	471
Jan 2022	992	58	11	120	481	457
Feb 2022	1,050	56	18	110	563	466
Mar 2022	1,022	50	20	110	556	477

Notes:

Concentrations and flow are presented as monthly average.

1: Flow used in loading calculation is average monthly FBR influent flow.

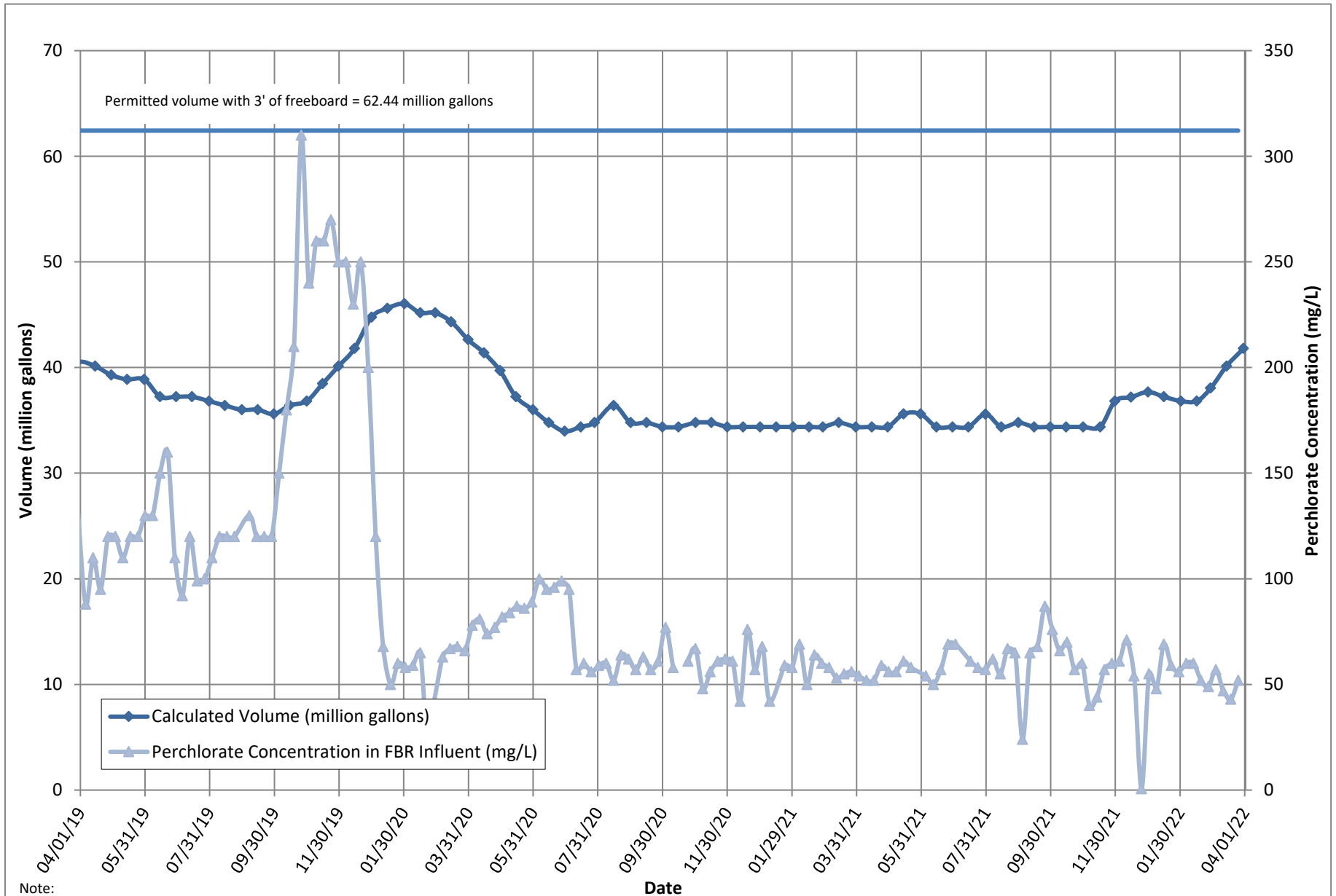
2: FBR loading calculated as $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$.

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 ³ (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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
03/01/22	2.3	1710.95	0.82	1709.50	0.77	1709.97	1.2	1712.02	0.99	1715.73	1.4	1712.67	1.1	1715.51	0.43	1709.38
03/02/22	2.3	1713.65	0.85	1709.64	0.77	1711.06	1.1	1713.42	0.99	1716.11	1.3	1715.97	1.1	1715.71	0.40	1712.77
03/03/22 ²	2.2	1713.68	0.79	1709.49	0.73	1710.80	1.1	1713.61	0.93	1715.92	1.1	1716.06	1.0	1715.79	0.33	1713.32
03/04/22	2.2	1711.35	0.85	1710.54	0.77	1712.44	1.2	1714.93	1.1	1716.20	1.2	1714.15	0.49	1716.44	0.38	1713.44
03/05/22	2.2	1711.70	0.81	1710.78	0.75	1711.31	1.1	1714.81	1.0	1716.06	1.2	1714.90	1.8	1716.51	0.35	1713.47
03/06/22 ²	2.2	1713.82	0.77	1711.51	0.75	1711.12	1.1	1715.54	1.0	1716.24	1.1	1717.52	1.1	1716.93	0.35	1713.69
03/07/22	2.1	1713.68	0.87	1709.49	0.74	1710.80	1.2	1713.61	1.0	1715.92	1.1	1716.06	1.1	1715.79	0.36	1713.32
03/08/22	2.3	1713.64	0.73	1709.64	0.77	1710.82	1.1	1713.80	1.1	1715.86	1.2	1715.72	1.2	1716.03	0.35	1713.61
03/09/22	2.2	1712.65	0.80	1709.71	0.76	1709.98	1.1	1714.64	1.1	1715.20	1.1	1715.39	1.1	1715.51	0.36	1712.79
03/10/22 ²	1.6	1714.18	0.76	1710.55	0.56	1714.11	0.82	1716.82	1.1	1715.25	1.1	1715.50	1.1	1716.01	0.38	1712.99
03/11/22	2.2	1714.20	0.81	1710.81	0.51	1712.31	1.1	1715.57	1.1	1716.01	0.88	1719.43	1.1	1717.03	0.42	1712.90
03/12/22	2.2	1713.81	0.87	1711.01	0.53	1712.25	1.1	1715.49	1.1	1715.88	0.97	1719.31	1.2	1716.85	0.42	1713.30
03/13/22	2.1	1713.80	0.82	1709.88	0.53	1718.03	1.1	1715.51	1.1	1716.05	0.93	1719.54	1.1	1716.85	0.41	1712.60
03/14/22	2.2	1713.54	0.87	1710.17	0.54	1713.70	1.1	1715.60	1.1	1715.84	0.88	1717.94	1.2	1717.02	0.44	1713.20
03/15/22	2.2	1713.68	0.90	1709.85	0.55	1713.77	1.1	1715.82	1.1	1716.12	0.83	1717.67	1.2	1716.95	0.43	1713.27
03/16/22	2.2	1712.51	0.82	1709.44	0.56	1716.31	1.1	1714.75	1.1	1715.27	0.83	1717.70	1.2	1717.54	0.44	1712.74
03/17/22	2.2	1712.83	0.92	1709.50	0.55	1717.52	1.1	1714.97	1.1	1716.01	0.82	1721.15	0.84	1717.72	0.44	1712.20
03/18/22	2.2	1712.99	0.91	1709.64	0.64	1713.98	1.1	1714.96	1.1	1714.89	0.91	1717.01	1.2	1715.79	0.38	1713.75
03/19/22 ²	1.6	1712.78	0.90	1709.83	0.58	1714.40	1.1	1714.00	0.97	1714.72	0.83	1719.82	1.2	1715.50	0.33	1714.00
03/20/22	2.1	1712.71	0.91	1710.11	0.61	1714.67	1.1	1714.60	1.1	1715.45	0.90	1718.00	1.2	1716.36	0.32	1714.11
03/21/22	2.1	1712.88	0.88	1709.51	0.61	1714.71	1.0	1715.20	1.1	1715.02	0.87	1718.07	1.2	1716.78	0.30	1714.37
03/22/22	2.1	1712.83	0.91	1709.35	0.62	1715.51	1.1	1715.54	1.1	1714.42	0.94	1718.76	1.2	1715.74	0.30	1714.69
03/23/22	2.0	1713.16	0.81	1709.65	0.80	1711.40	0.99	1714.81	1.1	1714.62	0.86	1718.10	1.1	1715.60	0.29	1715.97
03/24/22 ²	1.4	1712.93	0.83	1709.51	0.65	1711.18	1.0	1714.60	1.1	1715.52	0.90	1718.95	1.2	1715.86	0.30	1715.85
03/25/22	1.7	1711.68	0.86	1709.67	0.86	1711.11	1.0	1716.40	1.1	1715.71	0.92	1719.14	1.1	1717.13	0.26	1715.80
03/26/22	1.9	1713.12	0.86	1709.63	0.76	1711.36	1.0	1716.17	1.1	1715.56	0.97	1718.44	1.2	1716.90	0.29	1715.89
03/27/22	2.3	1712.38	0.88	1709.75	0.78	1711.05	1.1	1716.60	1.1	1716.05	1.1	1717.88	1.2	1717.86	0.24	1715.87
03/28/22	2.1	1711.76	0.82	1710.24	0.73	1711.47	1.0	1716.67	1.1	1715.57	1.0	1717.50	1.1	1715.20	0.22	1715.82
03/29/22 ²	1.5	1712.06	0.80	1710.31	0.50	1711.61	1.0	1716.41	1.1	1715.26	1.0	1717.53	1.1	1715.31	0.06	1715.34
03/30/22	1.6	1712.93	0.87	1710.19	0.58	1711.51	1.1	1714.57	1.1	1714.10	0.98	1717.93	1.1	1716.39	0.06	1716.17
03/31/22 ²	0.18	1719.53	0.85	1709.86	0.56	1716.93	1.1	1714.46	1.1	1713.83	0.98	1718.38	1.2	1716.38	0.09	1715.38
Monthly Average	2.0	1713.14	0.84	1709.96	0.66	1712.81	1.1	1715.03	1.1	1715.50	1.0	1717.49	1.1	1716.36	0.33	1713.93
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	500	3/3/2022	975	3/3/2022	390	3/3/2022	96	3/3/2022	370	3/3/2022	890	3/3/2022	890	3/3/2022	1,100	3/3/2022
Hexavalent Chromium	0.087	3/3/2022	0.495	3/3/2022	0.60	3/3/2022	0.029	3/3/2022	0.028	3/3/2022	0.086	3/3/2022	0.085	3/3/2022	0.21	3/3/2022
Total Chromium	0.082	3/3/2022	0.49	3/3/2022	0.60	3/3/2022	0.035	3/3/2022	0.029	3/3/2022	0.087	3/3/2022	0.081	3/3/2022	0.21	3/3/2022

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 The flow rate at individual wells is adjusted daily to maintain the water level in the wells above the pump.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 03/03, 03/06, 03/10, 03/19, 03/24, 03/29, and 03/31, AP Area wells offline intermittently due to maintenance.
 3: On 03/10 and 03/31, E1-1 offline due to maintenance.
 4: Duplicates taken on 03/03 for well E1-2; average of both values is presented and used for calculations.
 5: On 03/10, E2-1 offline due to maintenance.

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



Note:

- The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was decreased in March 2019 to prepare for the lower seasonal ammonia permit limits beginning April 1. AP-5 tank processing was completed on July 15, 2020.

Figure 2 - FBR Equivalent Loading Calculation

