

Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																			
Date	LS #1 Flow (gpm)	PC-116R (East Well)		PC-99R2/R3 (Center Well)		PC-115R (West Well)		PC-117		PC-118		PC-119		PC-120		PC-121		PC-133	
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow 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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation ² (ft amsl)
10/01/21	408	161	1536.31	92	1540.59	130	1542.76	107	1535.50	68	1546.58	102	1548.10	50	1549.13	20	1550.28	9.7	< 1520.00
10/02/21	407	161	1536.28	92	1540.57	130	1542.72	107	1535.48	68	1546.56	102	1548.09	50	1549.12	20	1550.27	9.7	1520.00
10/03/21	406	161	1536.26	92	1540.56	130	1542.64	107	1535.46	68	1546.55	102	1548.09	50	1549.11	20	1550.27	9.6	< 1520.00
10/04/21	406	161	1536.24	92	1540.56	130	1542.60	107	1535.45	68	1546.54	102	1548.08	50	1549.11	20	1550.26	9.6	< 1520.00
10/05/21	406	161	1536.23	92	1540.54	130	1542.58	107	1535.43	68	1546.53	102	1548.07	50	1549.10	20	1550.25	9.6	< 1520.00
10/06/21	395	161	1536.21	92	1540.52	130	1542.56	107	1535.41	68	1546.52	102	1548.06	50	1549.09	20	1550.24	9.6	< 1520.00
10/07/21	400	161	1536.19	92	1540.50	130	1542.53	107	1535.40	68	1546.51	102	1548.06	50	1549.08	20	1550.24	9.7	< 1520.00
10/08/21	416	161	1536.18	92	1540.49	130	1542.52	107	1535.38	68	1546.50	102	1548.05	50	1549.08	20	1550.23	9.6	< 1520.00
10/09/21	408	161	1536.17	92	1540.47	130	1542.59	107	1535.37	68	1546.48	102	1548.04	50	1549.07	20	1550.22	9.6	< 1520.00
10/10/21	409	161	1536.15	92	1540.45	130	1542.58	107	1535.35	68	1546.47	102	1548.03	50	1549.06	20	1550.21	9.6	< 1520.00
10/11/21	408	161	1536.15	92	1540.40	130	1542.57	107	1535.35	68	1546.48	102	1548.04	50	1549.07	20	1550.22	9.6	< 1520.00
10/12/21	409	161	1536.12	92	1540.40	130	1542.56	107	1535.32	68	1546.45	102	1548.02	50	1549.05	20	1550.20	9.6	< 1520.00
10/13/21	409	161	1536.12	92	1540.40	130	1542.56	107	1535.31	68	1546.45	102	1548.02	50	1549.05	20	1550.20	9.6	< 1520.00
10/14/21	410	161	1536.11	92	1540.40	130	1542.56	107	1535.30	68	1546.44	102	1548.02	50	1549.05	20	1550.20	9.6	< 1520.00
10/15/21	409	161	1536.09	92	1540.40	130	1542.56	107	1535.29	68	1546.43	102	1548.01	50	1549.04	20	1550.20	9.6	< 1520.00
10/16/21	410	161	1536.09	92	1540.37	130	1542.57	107	1535.29	68	1546.43	102	1548.02	50	1549.05	20	1550.21	9.6	< 1520.00
10/17/21	410	161	1536.09	92	1540.33	130	1542.56	107	1535.29	68	1546.44	102	1548.03	50	1549.06	20	1550.22	9.6	< 1520.00
10/18/21	410	161	1536.08	92	1540.31	130	1542.56	106	1539.14	68	1546.43	102	1548.03	50	1549.06	20	1550.22	9.6	< 1520.00
10/19/21	411	161	1536.07	92	1540.32	130	1542.56	106	1535.79	68	1546.42	102	1548.02	50	1549.05	20	1550.21	9.6	< 1520.00
10/20/21	410	161	1536.06	92	1540.31	130	1555.00	106	1550.00	68	1546.41	102	1548.02	50	1549.05	20	1550.21	9.6	< 1520.00
10/21/21	406	161	1536.05	92	1540.30	130	1546.83	106	1539.06	68	1546.41	102	1548.02	50	1549.05	20	1550.21	9.6	< 1520.00
10/22/21	293	123	1536.06	70	1540.25	99	1542.13	81	1533.49	52	1546.43	78	1548.03	38	1549.06	15	1550.22	7.3	< 1520.00
10/23/21	358	132	1536.55	75	1540.19	107	1542.38	87	1533.80	56	1546.62	84	1548.23	41	1549.25	17	1550.38	7.9	< 1520.00
10/24/21	448	162	1536.86	94	1540.11	130	1542.52	107	1534.02	68	1546.68	102	1548.34	50	1549.35	20	1550.49	10	< 1520.00
10/25/21	480	162	1536.64	94	1540.11	130	1542.41	107	1533.93	68	1546.60	102	1548.25	50	1549.27	20	1550.42	10	< 1520.00
10/26/21	469	162	1536.49	93	1540.14	130	1542.33	107	1533.83	68	1546.53	102	1548.18	50	1549.21	20	1550.36	10	< 1520.00
10/27/21	453	162	1536.39	93	1540.14	130	1542.29	107	1533.77	68	1546.50	102	1548.14	50	1549.17	20	1550.33	10.0	< 1520.00
10/28/21	455	162	1536.33	93	1540.12	130	1542.26	107	1533.72	68	1546.47	102	1548.12	50	1549.15	20	1550.31	9.9	< 1520.00
10/29/21	458	162	1536.29	93	1540.08	130	1542.25	106	1533.70	68	1546.46	102	1548.11	50	1549.14	20	1550.30	9.9	< 1520.00
10/30/21	459	162	1536.25	93	1540.06	130	1542.23	106	1533.67	68	1546.44	102	1548.10	50	1549.13	20	1550.29	9.8	< 1520.00
10/31/21	460	162	1536.22	93	1540.03	130	1542.22	106	1533.65	68	1546.43	102	1548.09	50	1549.12	20	1550.28	9.8	< 1520.00
Monthly Average	416	159	1536.24	91	1540.34	128	1543.03	105	1535.58	67	1546.49	101	1548.08	49	1549.11	20	1550.26	9.6	1520.00
Analytical	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	Conc (mg/L)	Date	Conc (mg/L)	Date	
Perchlorate	15.0	10/14/2021	13.0	10/14/2021	4.6	10/14/2021	9.4	10/14/2021	1.4	10/14/2021	0.14	10/14/2021	0.0030	10/14/2021	ND	10/14/2021	0.67	10/14/2021	
Hexavalent Chromium	0.005	10/14/2021	ND	10/14/2021	ND	10/14/2021	0.0061	10/14/2021	ND	10/14/2021	ND	10/14/2021	ND	10/14/2021	ND	10/14/2021	ND	10/14/2021	
Total Chromium	ND	10/14/2021	ND	10/14/2021	ND	10/14/2021	0.0020	10/14/2021	ND	10/14/2021	ND	10/14/2021	ND	10/14/2021	ND	10/14/2021	ND	10/14/2021	

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: 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.
 3: On 10/09, PC-115R transducer failed; averaged water levels are presented from 10/09 to 10/21.
 4: On 10/19, PC-117 transducer failed; averaged water levels are presented from 10/19 to 10/21
 5: Duplicates taken on 10/14 for well PC-1162; 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 ² (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 ⁵ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁶ (gpm)	Water Elevation (ft amsl)			
10/01/21	399	42	1584.72	139	1584.53	23	1583.15	4.1	1578.84	54	1579.32	19	1584.73	170	1583.93	1.5	1579.11			
10/02/21	399	42	1584.71	139	1584.53	23	1583.15	4.1	1578.84	54	1579.32	19	1584.73	170	1583.93	1.5	1579.11			
10/03/21	399	42	1584.71	139	1584.53	23	1583.15	4.1	1578.84	55	1579.32	19	1584.73	170	1583.93	1.5	1579.11			
10/04/21	399	42	1584.70	139	1584.52	23	1583.14	4.1	1578.84	55	1579.32	19	1584.73	170	1583.92	1.5	1579.11			
10/05/21	399	42	1584.70	139	1584.51	23	1583.14	4.1	1578.84	55	1579.32	19	1584.73	170	1583.92	1.5	1579.11			
10/06/21	399	42	1584.70	139	1584.51	23	1583.14	4.1	1578.84	55	1579.32	19	1584.73	170	1583.91	1.5	1579.10			
10/07/21	399	42	1584.69	139	1584.51	23	1583.14	4.1	1578.84	55	1579.32	19	1584.73	169	1583.91	1.5	1579.10			
10/08/21	399	42	1584.69	139	1584.50	23	1583.13	4.0	1578.84	55	1579.32	19	1584.73	170	1583.91	1.5	1579.10			
10/09/21	399	42	1584.67	139	1584.49	23	1583.12	4.0	1578.84	55	1579.32	19	1584.73	170	1583.90	1.5	1579.10			
10/10/21	399	42	1584.67	139	1584.49	23	1583.12	4.0	1578.84	55	1579.32	19	1584.73	170	1583.90	1.5	1579.10			
10/11/21	399	42	1584.69	137	1584.50	23	1583.13	4.0	1578.84	55	1579.32	19	1584.72	170	1583.91	1.5	1579.10			
10/12/21	399	42	1584.65	139	1584.46	23	1583.10	4.0	1578.84	55	1579.32	19	1584.72	170	1583.87	1.5	1579.08			
10/13/21	399	42	1584.65	139	1584.45	23	1583.10	4.0	1578.84	55	1579.32	19	1584.72	170	1583.87	1.5	1579.08			
10/14/21	399	42	1584.63	139	1584.44	23	1583.09	4.0	1578.84	55	1579.32	19	1584.73	169	1583.86	1.5	1579.06			
10/15/21	397	42	1584.64	139	1584.46	23	1583.09	4.0	1578.84	55	1579.32	19	1584.73	167	1583.80	1.5	1579.10			
10/16/21	399	42	1584.64	139	1584.45	23	1583.09	4.0	1578.84	55	1579.32	19	1584.73	170	1583.86	1.5	1579.11			
10/17/21	399	42	1584.63	139	1584.44	23	1583.09	4.0	1578.84	55	1579.32	19	1584.73	170	1583.86	1.5	1579.10			
10/18/21	399	42	1584.62	139	1584.43	23	1583.08	4.0	1578.84	55	1579.32	19	1584.72	170	1583.84	1.5	1579.09			
10/19/21	399	42	1584.61	139	1584.41	23	1583.06	4.0	1578.84	55	1579.32	19	1584.72	170	1583.83	1.5	1579.09			
10/20/21	399	42	1584.60	139	1584.39	23	1583.05	4.0	1578.84	55	1579.32	19	1584.72	170	1583.82	1.5	1579.09			
10/21/21	399	42	1584.59	139	1584.39	23	1583.05	4.0	1578.84	55	1579.32	19	1584.73	170	1583.82	1.5	1579.10			
10/22/21	288	30	1584.91	105	1585.18	18	1583.74	3.0	1580.07	41	1579.32	15	1584.73	129	1584.49	1.1	1581.03			
10/23/21	364	31	1580.71	124	1585.64	22	1584.13	4.0	1579.43	53	1579.32	18	1584.73	152	1584.84	1.3	1580.15			
10/24/21	402	42	1584.95	138	1584.88	24	1583.43	4.4	1578.84	53	1579.32	19	1584.73	170	1584.20	1.5	1579.27			
10/25/21	401	42	1584.86	138	1584.74	24	1583.32	4.3	1578.84	53	1579.32	19	1584.73	170	1584.08	1.5	1579.24			
10/26/21	398	42	1584.78	139	1584.63	22	1583.24	4.2	1578.84	52	1579.32	18	1584.73	170	1584.00	1.5	1579.21			
10/27/21	401	42	1584.73	138	1584.57	23	1583.20	4.2	1578.84	59	1579.32	19	1584.73	171	1583.96	1.5	1579.19			
10/28/21	399	42	1584.72	138	1584.56	23	1583.18	4.1	1578.84	58	1579.32	19	1584.73	169	1583.89	1.5	1579.18			
10/29/21	400	42	1584.69	138	1584.52	23	1583.16	4.1	1578.84	58	1579.32	19	1584.73	170	1583.91	1.5	1579.17			
10/30/21	399	42	1584.67	138	1584.49	23	1583.14	4.1	1578.84	58	1579.32	19	1584.73	170	1583.89	1.5	1579.15			
10/31/21	399	42	1584.64	138	1584.47	23	1583.12	4.1	1578.84	58	1579.32	19	1584.73	170	1583.87	1.5	1579.14			
Monthly Average	394	41	1584.57	137	1584.57	23	1583.19	4.0	1578.90	55	1579.32	19	1584.73	168	1583.96	1.5	1579.22			
Analytical	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
Perchlorate	29	10/14/2021	10	10/14/2021	200	10/14/2021	125	10/14/2021	170	10/14/2021	75	10/14/2021	69	10/14/2021	56	10/14/2021				
Hexavalent Chromium	ND	10/14/2021	0.0040	10/14/2021	0.32	10/14/2021	0.13	10/14/2021	0.62	10/14/2021	0.47	10/14/2021	0.078	10/14/2021	0.046	10/14/2021				
Total Chromium	ND	10/14/2021	ND	10/14/2021	0.28	10/14/2021	0.11	10/14/2021	0.55	10/14/2021	0.42	10/14/2021	0.061	10/14/2021	0.037	10/14/2021				

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 10/23, LS #3 down due to power outage.
 3: On 10/22, Art1A switched to ART1 until 10/23
 4: On 10/12, Art2/2A down intermittently; averaged flows are presented for this day.
 5: On 10/22, ART-9 totalizer failed; averaged flows are presented from 10 /22 to 10/26
 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 10/01-10/31 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.
 7: Duplicates taken on 10/14 for well ART-4/4A; average of both values is presented and used for calculations.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow ^{3,4} (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 ^{3,5} (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)
10/01/21	0.11	1722.62	0.96	1707.62	0.44	1710.10	0.00	1725.55	0.9	1721.42	0.29	1716.46	3.7	1708.67	1.4	1721.56	1.1	1716.94	4.3	1720.33
10/02/21	0.11	1722.72	0.96	1707.61	0.44	1710.04	0.00	1725.53	0.9	1721.47	0.27	1716.41	3.6	1708.67	1.4	1721.55	1.1	1716.97	4.3	1720.32
10/03/21	0.10	1722.71	0.96	1707.62	0.44	1710.01	0.00	1725.52	0.9	1721.47	0.25	1716.41	3.6	1708.69	1.4	1721.54	1.0	1717.11	4.3	1720.32
10/04/21	0.10	1722.74	0.96	1707.62	0.44	< 1710.00	0.00	1725.50	0.9	1721.43	0.24	1716.61	3.7	1708.70	1.4	1721.53	1.0	1717.09	4.3	1720.31
10/05/21	0.10	1722.81	0.96	1707.61	0.44	1710.01	0.00	1725.51	0.9	1721.48	0.24	1717.06	3.7	1708.73	1.4	1721.51	1.1	1717.06	4.3	1720.30
10/06/21	0.10	1722.87	0.96	1707.61	0.44	1710.01	0.00	1725.50	0.9	1721.61	0.24	1717.12	3.7	1708.73	1.4	1721.50	1.1	1717.11	4.3	1720.30
10/07/21 ¹	0.10	1722.86	0.96	1707.63	0.44	< 1710.00	0.00	1725.48	0.9	1721.63	0.27	1716.89	3.7	1708.77	1.4	1721.51	1.0	1717.32	4.3	1720.30
10/08/21	0.10	1722.87	0.96	1707.61	0.44	1710.01	0.00	1725.51	0.9	1721.58	0.33	1715.60	3.1	1708.67	1.3	1721.51	1.0	1717.33	4.3	1720.28
10/09/21	0.10	1722.86	0.96	1707.61	0.44	1710.04	0.00	1725.51	0.9	1721.51	0.34	1715.28	3.7	1708.63	1.3	1721.50	1.0	1717.32	4.3	1720.26
10/10/21	0.10	1722.98	0.96	1707.65	0.44	1710.01	0.00	1725.50	0.9	1721.42	0.34	1715.39	3.7	1708.63	1.3	1721.50	1.0	1717.39	4.3	1720.26
10/11/21	0.10	1723.10	0.96	1707.60	0.44	1710.03	0.00	1725.62	0.9	1721.40	0.39	1715.20	3.7	1708.64	1.3	1721.51	1.0	1717.41	4.3	1720.28
10/12/21	0.10	1723.01	0.96	1707.60	0.43	1710.01	0.00	1725.66	0.9	1721.30	0.52	1709.71	3.7	1708.67	1.3	1721.48	1.0	1717.36	4.3	1720.22
10/13/21	0.10	1722.87	0.95	1707.64	0.43	1710.02	0.014	1725.14	0.9	1721.31	0.52	1709.67	3.7	1708.65	1.3	1721.47	1.0	1717.54	4.3	1720.22
10/14/21	0.10	1722.75	0.95	1707.64	0.43	1710.03	0.00	1725.97	0.9	1721.28	0.52	1709.65	3.7	1708.66	1.3	1721.46	1.00	1717.54	4.3	1720.21
10/15/21	0.10	1722.76	0.95	1707.60	0.43	< 1710.00	0.00	1725.91	0.9	1721.24	0.52	1709.65	3.7	1708.69	1.3	1721.45	1.00	1717.52	4.3	1720.20
10/16/21	0.10	1722.74	0.95	1707.60	0.43	< 1710.00	0.00	1725.85	0.9	1721.21	0.53	1709.66	3.7	1708.76	1.3	1721.45	1.00	1717.54	4.3	1720.20
10/17/21	0.10	1722.72	0.95	1707.65	0.43	< 1710.00	0.00	1725.83	0.90	1721.24	0.53	1709.67	3.7	1708.75	1.3	1721.45	0.99	1717.58	4.3	1720.20
10/18/21	0.10	1722.82	0.95	1707.64	0.43	< 1710.00	0.00	1725.92	0.89	1721.29	0.52	1709.67	3.7	1708.77	1.3	1721.44	0.99	1717.57	4.3	1720.18
10/19/21	0.10	1722.82	0.95	1707.68	0.43	1710.01	0.00	1725.84	0.88	1721.28	0.52	1709.67	3.7	1708.74	1.3	1721.43	0.99	1717.55	4.3	1720.15
10/20/21 ¹	0.10	1722.74	0.95	1707.69	0.32	1712.13	0.00	1725.70	0.81	1721.77	0.54	1709.71	3.7	1708.87	1.3	1721.44	0.96	1717.69	4.3	1720.16
10/21/21	0.10	1722.70	0.96	1707.59	0.28	1713.12	0.00	1725.57	0.78	1722.03	0.55	1709.73	3.7	1708.76	1.3	1721.44	0.97	1717.69	4.3	1720.14
10/22/21	0.09	1722.87	0.96	1707.59	0.29	1712.93	0.00	1725.58	0.75	1722.24	0.56	1709.72	3.7	1708.77	1.3	1721.46	0.97	1717.72	4.3	1720.15
10/23/21	0.09	1723.01	0.96	1707.59	0.29	1712.99	0.00	1725.55	0.75	1722.21	0.56	1709.73	3.7	1708.77	1.3	1721.46	0.97	1717.67	4.3	1720.14
10/24/21 ²	0.09	1723.02	0.96	1707.65	0.19	1715.28	0.00	1725.53	0.73	1722.33	0.55	1709.85	3.6	1708.94	1.2	1721.47	0.97	1717.66	4.3	1720.15
10/25/21	0.10	1723.32	0.86	1709.25	0.032	1718.29	0.00	1725.54	0.77	1722.10	0.49	1711.51	3.9	1710.61	1.2	1721.51	0.99	1717.57	4.3	1720.14
10/26/21	0.10	1723.03	0.98	1707.59	0.31	1712.83	0.00	1725.52	0.78	1721.98	0.52	1709.75	3.6	1708.80	1.2	1721.50	0.91	1718.07	4.3	1720.10
10/27/21	0.10	1722.80	0.96	1707.58	0.26	1713.45	0.00	1725.46	0.78	1721.98	0.50	1709.75	3.7	1708.80	1.2	1721.49	0.89	1718.19	4.3	1720.11
10/28/21	0.09	1722.88	0.97	1707.58	0.00	1719.45	0.00	1725.44	0.78	1721.99	0.50	1709.75	3.7	1708.79	1.2	1721.48	0.89	1718.21	4.3	1720.12
10/29/21	0.08	1723.09	0.97	1707.57	0.00	1719.45	0.00	1725.45	0.78	1721.95	0.42	1709.80	3.7	1708.79	1.2	1721.47	0.89	1718.23	4.3	1720.13
10/30/21	0.08	1723.23	0.97	1707.57	0.00	1719.45	0.00	1725.44	0.79	1721.91	0.48	1709.81	3.7	1708.79	1.2	1721.46	0.88	1718.24	4.3	1720.13
10/31/21 ²	0.08	1723.22	0.97	1707.62	0.00	1719.45	0.00	1725.40	0.77	1722.04	0.50	1709.79	3.7	1708.94	1.2	1721.45	0.86	1718.34	4.3	1720.14
Monthly Average	0.10	1722.89	0.96	1707.67	0.33	1712.23	0.00	1725.58	0.84	1721.65	0.44	1712.09	3.7	1708.80	1.3	1721.48	0.99	1717.56	4.3	1720.21
Analytical ³	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ⁵ (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	380	10/12/2021	38	10/12/2021	110	10/12/2021	215	10/13/2021	220	10/13/2021	310	10/12/2021	470	10/12/2021	620	10/12/2021	420	10/12/2021	500	10/12/2021
Hexavalent Chromium	0.53	10/12/2021	0.059	10/12/2021	0.048	10/12/2021	2.1	10/13/2021	2.1	10/13/2021	0.250	10/12/2021	2.8	10/12/2021	5.7	10/12/2021	9.0	10/12/2021	15	10/12/2021
Total Chromium	5.8	10/12/2021	0.057	10/12/2021	0.045	10/12/2021	1.9	10/13/2021	1.9	10/13/2021	0.26	10/12/2021	2.9	10/12/2021	4.4	10/12/2021	5.8	10/12/2021	10	10/12/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 B = Compound was found in the blank and sample.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 10/07, 10/20, 10/24, and 10/31, IWF offline intermittently due to maintenance.
 3: On 10/25, I-AR, I-AA, I-B, I-L, I-R, I-S, and I-Y offline intermittently due to maintenance.
 4: From 10/25 to 10/26 and 10/27 to 10/31, I-AB offline due to maintenance.
 5: On 10/12, I-B adjusted to meet flow targets as directed by the Trust.
 6: Duplicates taken on 10/13 for well I-AC; average of both values is presented and used for calculations.

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 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)
10/01/21	0.28	1722.33	1	1721.45	4.1	1723.22	6.4	1723.20	0.91	1721.26	1.2	1715.06	1.9	1721.12	3.6	1719.53	0.61	1723.13	1.9	1723.10
10/02/21	0.28	1722.31	1.1	1721.47	4.0	1723.21	6.4	1723.19	0.91	1721.26	1.2	1715.21	1.9	1721.12	3.5	1719.52	0.58	1723.12	1.9	1723.09
10/03/21	0.28	1722.30	1.0	1721.48	4.0	1723.20	6.4	1723.18	0.91	1721.27	1.20	1715.46	1.9	1721.11	3.5	1719.50	0.65	1723.11	1.9	1723.08
10/04/21	0.28	1722.30	0.94	1721.50	4.0	1723.19	6.4	1723.17	0.90	1721.27	1.2	1715.53	1.9	1721.10	3.5	1719.51	0.66	1723.10	1.9	1723.07
10/05/21	0.27	1722.29	0.98	1721.52	4.1	1723.18	6.4	1723.15	0.95	1721.21	1.2	1715.66	1.9	1721.08	3.5	1719.53	0.66	1723.09	1.8	1723.06
10/06/21	0.27	1722.29	1.0	1721.54	4.1	1723.18	6.4	1723.12	0.96	1721.20	1.2	1715.77	1.9	1721.07	3.5	1719.52	0.66	1723.08	1.8	1723.06
10/07/21 ¹	0.26	1722.30	1.0	1721.86	4.1	1723.18	6.4	1723.17	0.91	1721.25	1.1	1716.27	1.9	1721.09	3.5	1719.53	0.65	1723.10	1.8	1723.08
10/08/21	0.26	1722.30	0.93	1722.06	4.2	1723.18	6.4	1723.16	0.89	1721.27	1.1	1716.39	1.9	1721.09	3.5	1719.50	0.65	1723.12	1.8	1723.10
10/09/21	0.27	1722.26	0.92	1722.08	4.2	1723.17	6.4	1723.12	0.89	1721.25	1.1	1716.50	1.9	1721.08	3.5	1719.48	0.65	1723.12	1.8	1723.11
10/10/21	0.28	1722.25	0.92	1722.12	4.2	1723.18	6.4	1723.11	0.90	1721.24	1.1	1716.88	1.9	1721.08	3.5	1719.47	0.64	1723.16	1.8	1723.15
10/11/21	0.28	1722.28	0.92	1722.16	4.3	1723.23	6.4	1723.27	0.9	1721.28	1.0	1717.06	1.9	1721.09	3.5	1719.48	0.65	1723.20	1.8	1723.19
10/12/21	0.28	1722.24	0.92	1722.09	4.3	1723.19	6.4	1723.13	0.89	1721.25	0.95	1717.63	1.9	1721.05	3.5	1719.44	0.66	1723.13	1.8	1723.13
10/13/21	0.27	1722.24	0.92	1722.07	4.3	1723.16	6.4	1723.08	0.89	1721.23	0.90	1718.03	1.9	1721.06	3.5	1719.45	0.66	1723.10	1.8	1723.09
10/14/21	0.26	1722.24	0.92	1722.05	4.3	1723.15	6.3	1723.05	0.88	1721.22	0.88	1718.14	1.9	1721.05	3.5	1719.42	0.66	1723.08	1.9	1723.06
10/15/21	0.26	1722.23	0.92	1722.04	4.3	1723.13	6.3	1723.03	0.89	1721.20	0.87	1718.35	1.9	1721.06	3.6	1719.37	0.65	1723.06	1.9	1723.04
10/16/21	0.26	1722.25	0.91	1722.06	4.2	1723.14	6.3	1723.09	0.89	1721.21	0.86	1718.53	1.9	1721.08	3.6	1719.36	0.65	1723.07	1.8	1723.05
10/17/21	0.26	1722.28	0.87	1722.09	4.2	1723.15	6.3	1723.16	0.89	1721.23	0.86	1718.58	1.9	1721.08	3.6	1719.35	0.65	1723.08	1.8	1723.07
10/18/21	0.25	1722.27	0.90	1722.09	4.3	1723.15	6.3	1723.14	0.89	1721.23	0.86	1718.52	1.9	1721.08	3.6	1719.34	0.65	1723.08	1.8	1723.07
10/19/21	0.25	1722.25	0.89	1722.08	4.3	1723.12	6.3	1723.03	0.89	1721.19	0.85	1718.54	1.9	1721.10	3.6	1719.30	0.65	1723.06	1.8	1723.04
10/20/21 ¹	0.24	1722.26	0.86	1722.14	4.2	1723.13	6.3	1723.08	0.91	1721.16	0.56	1720.16	1.8	1721.19	3.6	1719.33	0.63	1723.06	1.8	1723.04
10/21/21	0.23	1722.29	0.86	1722.18	4.2	1723.12	6.3	1723.02	0.94	1721.13	0.41	1721.17	1.8	1721.19	3.6	1719.30	0.63	1723.08	1.8	1723.07
10/22/21	0.23	1722.32	0.86	1722.21	4.2	1723.15	6.3	1723.08	0.94	1721.15	0.42	1721.23	1.8	1721.20	3.6	1719.32	0.62	1723.12	1.8	1723.11
10/23/21	0.23	1722.34	0.86	1722.25	4.2	1723.17	6.3	1723.09	0.94	1721.16	0.42	1721.26	1.8	1721.19	3.5	1719.33	0.62	1723.17	1.8	1723.16
10/24/21 ¹	0.22	1722.35	0.82	1722.30	4.2	1723.18	6.3	1723.19	0.94	1721.16	0.34	1721.52	1.7	1721.25	3.6	1719.31	0.61	1723.15	1.8	1723.14
10/25/21	0.24	1722.34	0.81	1722.32	4.3	1723.17	6.3	1723.15	0.96	1721.13	0.74	1720.30	1.7	1721.29	3.7	1719.26	0.61	1723.10	1.8	1723.10
10/26/21	0.25	1722.28	0.81	1722.21	4.3	1723.09	6.3	1722.99	0.92	1721.12	1.00	1718.33	1.7	1721.29	3.7	1719.23	0.62	1722.99	1.8	1722.98
10/27/21	0.25	1722.27	0.79	1722.25	4.2	1723.09	6.3	1722.97	0.90	1721.13	0.98	1717.80	1.7	1721.32	3.5	1719.29	0.61	1723.06	1.8	1723.06
10/28/21	0.24	1722.29	0.80	1722.28	4.2	1723.10	6.3	1723.00	0.88	1721.16	0.95	1717.69	1.7	1721.32	3.6	1719.29	0.62	1723.09	1.8	1723.09
10/29/21	0.24	1722.31	0.76	1722.32	4.2	1723.13	6.3	1723.06	0.87	1721.19	0.93	1717.76	1.7	1721.32	3.5	1719.32	0.61	1723.12	1.8	1723.12
10/30/21	0.24	1722.33	0.74	1722.35	4.2	1723.14	6.3	1723.07	0.87	1721.20	0.92	1717.78	1.7	1721.31	3.5	1719.32	0.62	1723.14	1.8	1723.14
10/31/21 ¹	0.21	1722.38	0.67	1722.41	4.1	1723.16	6.3	1723.16	0.86	1721.21	0.87	1718.25	1.7	1721.33	3.4	1719.34	0.60	1723.15	1.8	1723.15
Monthly Average	0.26	1722.29	0.9	1722.03	4.2	1723.16	6.3	1723.11	0.90	1721.21	0.91	1717.92	1.9	1721.15	3.5	1719.39	0.64	1723.10	1.8	1723.09
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	800	10/13/2021	850	10/13/2021	550	10/13/2021	190	10/13/2021	280	10/13/2021	280	10/12/2021	430	10/12/2021	440	10/12/2021	620	10/13/2021	680	10/13/2021
Hexavalent Chromium	21	10/13/2021	18	10/13/2021	8.7	10/13/2021	3.8	10/13/2021	2.6	10/13/2021	1.1	10/12/2021	6.7	10/12/2021	8.4	10/12/2021	13	10/13/2021	18	10/13/2021
Total Chromium	13	10/13/2021	11	10/13/2021	6.4	10/13/2021	3.6	10/13/2021	2.6	10/13/2021	1.0	10/12/2021	5.4	10/12/2021	6.0	10/12/2021	8.9	10/13/2021	11	10/13/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 B = Compound was found in the blank and sample.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 10/07, 10/20, 10/24, and 10/31, IWF offline intermittently due to maintenance.
 3: On 10/25, I-AR, I-AA, I-B, I-L, I-R, I-S, and I-Y offline intermittently due to maintenance.

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 ^{3,6} (gpm)	Water Elevation (ft amsl)	Flow ^{3,7} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁸ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
10/01/21	0.26	1719.04	1.0	1719.58	2.5	1706.97	0.47	1719.09	0.60	1717.67	4.4	1722.48	0.88	1723.26	3.7	1716.71	1.5	1700.22	8.9	1715.53
10/02/21	0.27	1719.01	0.92	1719.58	2.5	1706.97	0.47	1719.08	0.60	1717.77	4.4	1722.46	0.90	1723.22	3.7	1716.70	1.5	1699.96	8.9	1715.50
10/03/21	0.27	1719.01	0.93	1719.55	2.5	1706.97	0.46	1719.10	0.55	1718.10	4.4	1722.45	0.84	1723.22	3.7	1716.69	1.5	1700.35	8.7	1715.47
10/04/21	0.27	1719.00	0.94	1719.51	2.5	1706.97	0.46	1719.16	0.48	1718.14	4.4	1722.44	0.75	1723.21	3.7	1716.67	1.5	1700.15	8.6	1715.44
10/05/21	0.26	1719.00	0.96	1719.50	2.5	1706.97	0.45	1719.20	0.52	1717.91	4.4	1722.43	0.79	1723.18	3.7	1716.66	1.5	1700.28	8.9	1715.40
10/06/21	0.27	1718.98	1.0	1719.50	2.5	1706.96	0.45	1719.18	0.54	1717.98	4.4	1722.41	0.89	1723.18	3.7	1716.65	1.5	1700.14	9.0	1715.35
10/07/21 ¹	0.32	1718.68	0.92	1719.53	2.5	1706.98	0.43	1719.41	0.56	1717.94	4.4	1722.43	0.77	1723.30	3.7	1716.69	1.5	1700.22	9.0	1715.47
10/08/21	0.34	1718.54	0.96	1719.43	2.5	1706.99	0.41	1719.55	0.57	1717.62	4.4	1722.43	0.71	1723.38	3.7	1716.66	1.5	1700.13	9.0	1715.40
10/09/21	0.32	1718.66	0.92	1719.37	2.5	1707.00	0.41	1719.54	0.50	1718.05	4.4	1722.42	0.60	1723.46	3.7	1716.62	1.5	1700.08	9.0	1715.33
10/10/21	0.30	1718.73	0.92	1719.38	2.5	1707.04	0.41	1719.55	0.54	1717.92	4.4	1722.45	0.30	1723.70	3.7	1716.58	1.5	1700.35	9.0	1715.35
10/11/21	0.29	1718.83	0.91	1719.45	2.5	1707.28	0.41	1719.62	0.52	1718.23	4.4	1722.51	0.54	1723.55	3.7	1716.60	1.5	1700.42	9.0	1715.57
10/12/21	0.28	1718.82	0.91	1719.39	2.5	1707.13	0.41	1719.55	0.52	1718.32	4.4	1722.45	0.85	1723.29	3.7	1716.52	1.5	1700.33	9.0	1715.35
10/13/21	0.28	1718.83	0.94	1719.40	2.5	1707.06	0.41	1719.53	0.49	1718.47	4.4	1722.41	0.83	1723.26	3.7	1716.51	1.5	1700.20	9.0	1715.24
10/14/21	0.28	1718.81	0.96	1719.36	2.5	1707.10	0.41	1719.53	0.49	1718.60	4.4	1722.38	0.63	1723.30	3.7	1716.50	1.5	1700.31	9.0	1715.17
10/15/21	0.27	1718.82	0.80	1720.33	2.5	1707.23	0.41	1719.53	0.49	1718.65	4.4	1722.36	0.55	1723.18	3.7	1716.47	1.5	1700.34	9.0	1715.17
10/16/21	0.28	1718.84	0.70	1720.68	2.5	1707.64	0.41	1719.58	0.49	1718.59	4.4	1722.36	0.70	1723.20	3.7	1716.47	1.6	1700.27	9.0	1715.22
10/17/21	0.27	1718.86	0.70	1720.83	2.5	1708.09	0.40	1719.64	0.49	1718.65	4.4	1722.38	0.57	1723.23	3.7	1716.46	1.6	1700.19	9.0	1715.25
10/18/21	0.27	1718.87	0.80	1720.33	2.5	1708.19	0.40	1719.66	0.49	1718.68	4.4	1722.38	0.60	1723.22	3.7	1716.44	1.6	1700.25	9.0	1715.22
10/19/21	0.27	1718.85	0.76	1720.60	2.5	1708.15	0.40	1719.62	0.46	1718.65	4.4	1722.34	0.76	1723.21	3.7	1716.40	1.6	1700.32	9.0	1715.06
10/20/21 ³	0.29	1718.76	0.63	1722.14	2.4	1711.35	0.35	1720.06	0.49	1718.54	4.4	1722.35	0.71	1722.94	3.7	1716.48	1.6	1700.26	8.9	1715.25
10/21/21	0.30	1718.70	0.58	1722.72	2.4	1715.23	0.33	1720.28	0.50	1718.57	4.4	1722.36	0.45	1723.42	3.7	1716.44	1.6	1700.18	9.0	1715.16
10/22/21	0.27	1718.84	0.56	1722.65	2.4	1716.21	0.32	1720.34	0.53	1718.37	4.4	1722.39	0.33	1723.56	3.7	1716.44	1.6	1700.15	9.0	1715.23
10/23/21	0.28	1718.80	0.53	1722.75	2.3	1717.23	0.32	1720.38	0.51	1718.53	4.4	1722.44	0.40	1723.64	3.7	1716.42	1.6	1700.23	9.0	1715.27
10/24/21 ²	0.22	1719.06	0.52	1722.38	1.3	1720.87	0.31	1720.48	0.49	1718.62	4.4	1722.44	0.58	1723.41	3.7	1716.48	1.6	1700.31	8.9	1715.44
10/25/21	0.18	1719.28	0.60	1721.62	1.8	1718.70	0.30	1720.53	0.51	1718.47	4.4	1722.41	1.1	1720.10	3.7	1716.43	1.5	1703.35	9.0	1715.32
10/26/21	0.19	1719.19	0.74	1717.80	2.5	1714.53	0.31	1720.42	0.49	1718.48	4.4	1722.28	1.4	1716.39	3.7	1716.39	1.6	1703.48	9.0	1715.04
10/27/21	0.19	1719.18	1.3	1717.24	2.6	1708.36	0.31	1720.39	0.51	1718.36	4.4	1722.30	0.47	1723.48	3.7	1716.39	1.5	1700.10	9.0	1714.98
10/28/21	0.20	1719.19	1	1716.96	2.5	1706.52	0.31	1720.40	0.50	1718.39	4.4	1722.33	0.48	1723.50	3.7	1716.40	1.5	1699.98	9.0	1715.04
10/29/21	0.20	1719.19	1.2	1717.21	2.5	1706.31	0.31	1720.42	0.49	1718.55	4.4	1722.37	0.46	1723.55	3.7	1716.41	1.5	1700.31	9.0	1715.12
10/30/21	0.20	1719.20	1.2	1717.25	2.5	1705.44	0.31	1720.44	0.49	1718.64	4.4	1722.39	0.45	1723.58	3.7	1716.40	1.5	1700.21	9.0	1715.13
10/31/21 ²	0.28	1718.86	1.2	1717.68	2.3	1705.06	0.30	1720.53	0.48	1718.68	4.4	1722.42	0.51	1723.57	3.7	1716.48	1.5	1700.32	9.0	1715.33
Monthly Average	0.26	1718.92	0.88	1719.80	2.4	1709.14	0.38	1719.80	0.51	1718.33	4.4	1722.40	0.67	1723.02	3.7	1716.52	1.5	1700.43	9.0	1715.28
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	640	10/13/2021	630	10/12/2021	380	10/12/2021	980	10/13/2021	1,000	10/13/2021	380	10/13/2021	560	10/13/2021	980	10/12/2021	470	10/12/2021	240	10/13/2021
Hexavalent Chromium	17	10/13/2021	0.77	10/12/2021	1.6	10/12/2021	21	10/13/2021	19	10/13/2021	10	10/13/2021	15	10/13/2021	12	10/12/2021	1.1	10/12/2021	7.5	10/13/2021
Total Chromium	13	10/13/2021	0.80	10/12/2021	1.4	10/12/2021	14	10/13/2021	13	10/13/2021	6.4	10/13/2021	9.4	10/13/2021	8.1	10/12/2021	1.0	10/12/2021	5.8	10/13/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 B = Compound was found in the blank and sample.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 10/07, 10/20, 10/24, and 10/31, IWF offline intermittently due to maintenance.
 3: On 10/25, I-R, I-AA, I-B, I-L, I-R, I-S, and I-Y offline intermittently due to maintenance.
 6: From 10/25 to 10/26, I-R flow meter failed; averaged flows are presented for this day.
 7: On 10/24, I-S offline due to maintenance.
 8: On 10/07, I-W 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				FBR Plant Influent ¹						
	Flow (gpm)	Flow ² (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₄ (mg/L)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₄ (mg/L)	Flow (gpm)	TA - ClO ₄ (mg/L)	ETI - ClO ₄ (mg/L)	TA - ClO ₃ (mg/L)	TA - NO ₃ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
10/01/21	863	75				0.00				938		2				
10/02/21	863	75				0.00				938	76	1				
10/03/21	863	75				0.00				938		0				
10/04/21	864	76				2.1	0.099	0.037	75	940		0	120	11	0.039	0.034
10/05/21	863	75				0.00				938		0				
10/06/21	864	75	0.27	ND	480	0.00				939		0				
10/07/21	865	75				0.00				940		0				
10/08/21	874	75				0.00				948		0				
10/09/21	864	75				0.00				939	66	0				
10/10/21	865	75				0.00				940		0				
10/11/21	864	71				0.01				935		0				
10/12/21	864	66				0.02				930		0		11	0.025	0.028
10/13/21	861	69	0.20	ND	460	0.01				931		0				
10/14/21	862	71				0.01				933		0				
10/15/21	860	71				0.00				931		0				
10/16/21	863	74				0.00				937	70	0				
10/17/21	862	72				0.00				934		7				
10/18/21	864	75				0.00				939		1		11	0.018	0.024
10/19/21	863	70				0.01				933		0				
10/20/21	862	68	0.40	ND	430	0.01				930		1				
10/21/21	862	70				0.00				932		0				
10/22/21	621	73				0.00				695		0				
10/23/21	742	74				0.00				815	57	0				
10/24/21	869	70				0.00				939		0				
10/25/21	864	66				0.00				929		0		10	0.018	0.023
10/26/21	864	69				0.00				933		0				
10/27/21	866	69	0.530	ND	390	0.01				936		0				
10/28/21	863	74				0.00				937		0				
10/29/21	865	73				0.00				938		0				
10/30/21	864	72				0.00				937	60	0				
10/31/21	864	74				0.00				938		0.0				
Monthly Average ²	852	72	0.13	ND	345	0.07	0.099	0.037	75	924	66	0.4	120	10.7	0.024	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
 B = Compound was found in the blank and sample.
 ND = Not detected above laboratory method detection limit (ClO₄ = 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
 2: All average concentrations reported are monthly flow weighted averages.
 3: On 10/01, GWTP Effluent totalizer failed; Flows were averaged from 10/01 to 10/03.

Table 4 - Treatment Plant Operational Metrics

Date	1st Stage FBR ⁴			2nd Stage FBR ⁴			FBR Plant Effluent							
	Flow ⁵ (gpm)	pH ⁵ (s.u.)	ORP ⁵ (mV)	Flow ⁵ (gpm)	pH ⁵ (s.u.)	ORP ⁵ (mV)	Flow ⁶ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₄ (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)
10/01/21	969	6.3	-337	789	6.3	-312	791		0.00					20
10/02/21	970	6.3	-366	895	6.3	-326	967	ND	0.00					22
10/03/21	979	6.3	-385	839	6.3	-336	969		0.00					21
10/04/21	966	6.3	-398	813	6.5	-346	963		0.00	0.031 J	0.001 J	ND	0.061	22
10/05/21	971	6.4	-402	885	6.4	-358	977		0.00					19
10/06/21	967	6.4	-402	895	6.5	-363	980		0.00					22
10/07/21	955	6.4	-404	858	6.5	-375	983		0.00					21
10/08/21	965	6.4	-398	809	6.4	-367	788		0.00					22
10/09/21	953	6.4	-406	782	6.3	-370	972	ND	0.00					22
10/10/21	998	6.4	-404	889	6.3	-369	985		0.00					10
10/11/21	962	6.3	-332	721	6.1	-325	975		0.00					23
10/12/21	960	6.3	-360	876	6.4	-345	772		0.00		0.001 J	ND	0.084	15
10/13/21	958	6.0	-364	859	6.3	-365	980		0.00					25
10/14/21	949	6.4	-325	911	6.4	-372	774		0.00					17
10/15/21	955	6.3	-313	884	6.2	-245	984		0.00					15
10/16/21	951	6.4	-278	897	6.2	-257	980	00.01	0.00					15
10/17/21	959	6.5	-319	907	6.3	-329	983		0.00					12
10/18/21	963	6.3	-322	764	6.2	-338	981		0.00				0.083	11
10/19/21	960	6.3	-336	767	6.3	-324	815		0.00		ND	ND		12
10/20/21	946	6.3	-338	897	6.3	-314	971		0.00					18
10/21/21	964	6.4	-376	908	6.3	-317	979		0.00					12
10/22/21	957	6.4	-369	918	6.3	-333	755		0.00					10
10/23/21	949	6.4	-361	928	6.3	-349	605	ND	0.00					10
10/24/21	960	6.4	-377	909	6.4	-359	969		0.00					17
10/25/21	947	6.4	-386	709	7.3	-357	953		0.00		0.001 J	ND	0.014 J	20
10/26/21	946	6.4	-321	877	6.3	-364	968		0.00					38
10/27/21	965	6.4	-293	923	6.4	-350	974		0.00					40
10/28/21	965	6.4	-340	736	6.4	-368	973		0.00					28
10/29/21	946	6.4	-361	720	6.3	-389	971		0.00					23
10/30/21	949	6.4	-338	924	6.4	-402	973	ND	0.00					17
10/31/21	841	6.4	-358	946	6.3	-401	973		0.00					18
Monthly Average ⁶	956	6.4	-357	853	6.4	-346	925	0.001	ND	0.031	0.0008	ND	0.056	19

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.

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

5: Averaged data are presented for 10/22 due to communication loss at plant.

6: 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)
10/15/2021	31.7	34.4
10/31/2021	31.7	34.4

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
10/13/2021	0	0	626.0	0
10/27/2021	0	0	537.7	0

GW-11 Composite Sample ³		
Analytes	Concentration	Units
Perchlorate	0.95	mg/L
Chlorate	0.99	mg/L
Ammonia as N	ND	mg/L
Total Phosphorus	0.83	mg/L
Total Dissolved Solids (TDS)	12,000 D	mg/L
Total Suspended Solids (TSS)	42	mg/L
pH	8.4 HF	s.u.
Calcium	610 B	mg/L
Iron	0.37	mg/L
Chromium (total)	0.0230	mg/L
Chromium VI	ND	mg/L
Chloride	4,800	mg/L
Nitrate as N	0.056	mg/L
Sulfate	4,000	mg/L

Notes:

B = Compound was found in the blank and sample.

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 (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. Results from a December 2018 bathymetric survey of the pond will be used to identify adjustment to the procedure, if necessary.

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 18, 2021

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics						
Date	Flow ¹ (gpm)	FBR Influent Concentration			Influent Function Load ³ (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO ₄ ² (mg/L)	NO ₃ as N (mg/L)	ClO ₃ (mg/L)		
Nov 2020	1,037	56	10	100	451	501
Dec 2020	1,027	59	9	130	507	480
Jan 2021	1,047	54	8.5	110	454	465
Feb 2021	1,023	61	8	110	457	465
March 2021	1,012	56	7	120	447	467
April 2021	1,027	55	6	110	420	460
May 2021	1,031	58	8	120	476	456
June 2021	1,027	58	8	120	470	454
July 2021	1,043	62	8	120	487	460
Aug 2021	1,063	62	9	120	502	467
Sep 2021	954	62	11	130	492	475
Oct 2021	924	66	11	120	464	473

Notes:

Concentrations and flow are presented as monthly average.

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

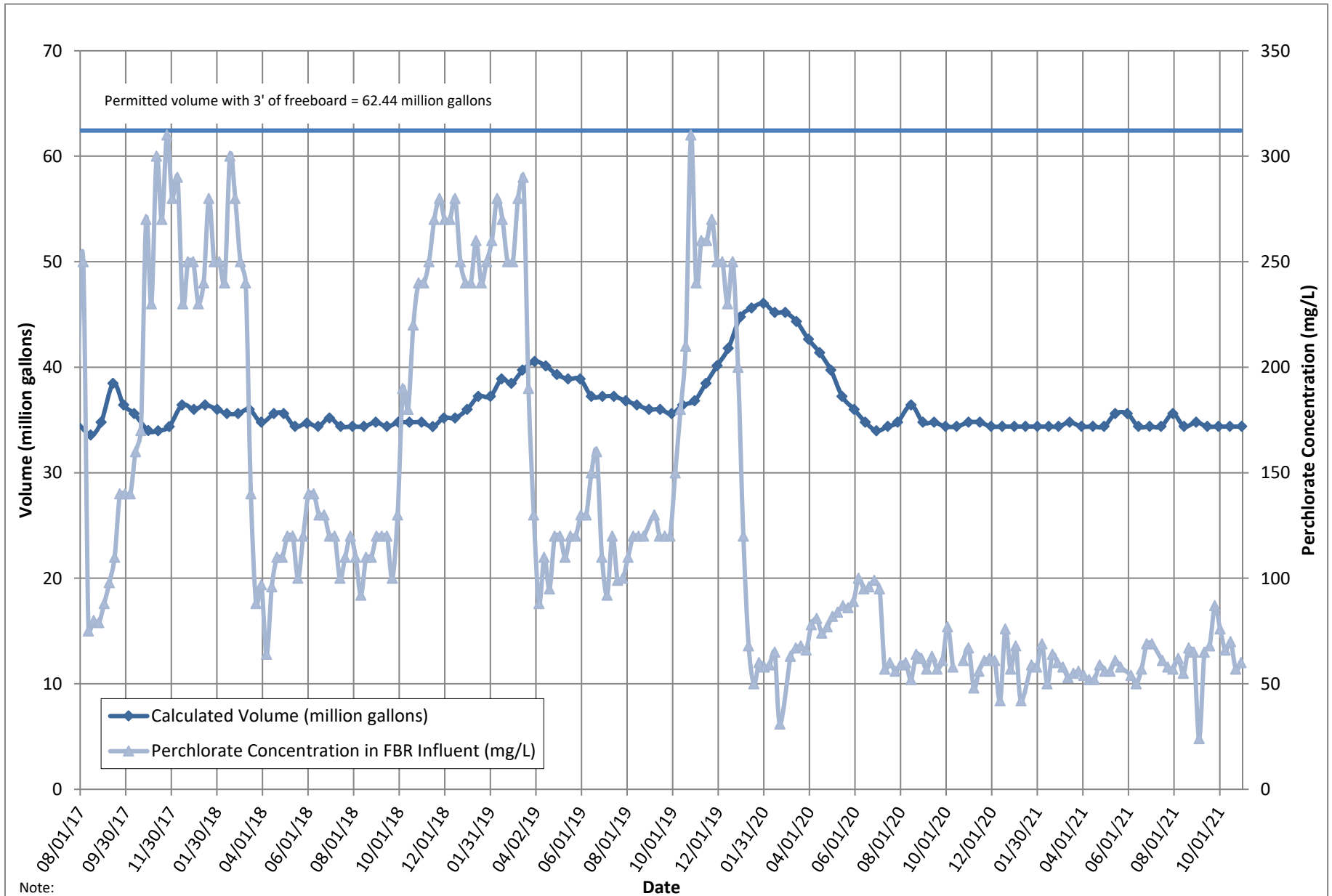
2: The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was decreased in March 2020 to prepare for the lower seasonal ammonia permit limits beginning April 1. AP-5 sediment mixing and solids washing activities were completed on January 4, 2020. AP-5 tank processing was completed on 7/15/20.

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

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E1-1		E1-2		E1-3		E2-1		E2-2		E2-3		E2-4		E2-5	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)
10/01/21	2.7	1713.20	0.95	1711.03	0.83	1712.06	1.1	1715.16	1.2	1715.23	1.3	1715.78	1.4	1716.00	0.40	1711.59
10/02/21	2.7	1713.26	0.95	1710.84	0.84	1712.10	1.1	1715.70	1.2	1713.15	1.3	1714.88	1.4	1714.49	0.42	1715.06
10/03/21	2.7	1711.35	0.95	1711.90	0.85	1712.70	1.1	1716.24	1.3	1715.92	1.3	1717.65	1.4	1716.01	0.41	1715.94
10/04/21	2.6	1711.70	0.98	1711.52	0.85	1712.40	1.1	1716.29	1.2	1715.43	1.3	1717.63	1.3	1715.35	0.47	1715.57
10/05/21	2.7	1711.38	0.93	1711.45	0.82	1712.47	1.0	1716.21	1.2	1715.11	1.2	1717.67	1.3	1715.06	0.37	1714.93
10/06/21	2.6	1711.78	0.89	1711.35	0.81	1712.34	1.1	1716.12	1.2	1715.24	1.2	1717.88	1.2	1715.20	0.41	1714.77
10/07/21	2.7	1710.59	0.96	1712.09	0.88	1712.16	1.1	1716.17	1.2	1715.91	1.1	1719.55	1.3	1716.29	0.41	1715.50
10/08/21	2.7	1710.72	0.97	1712.19	0.88	1712.20	1.0	1716.73	1.2	1716.30	0.94	1718.62	1.3	1716.19	0.40	1715.74
10/09/21	2.6	1710.88	0.91	1712.05	0.87	1712.49	1.0	1717.13	1.2	1716.36	0.69	1722.15	1.3	1716.34	0.42	1717.69
10/10/21	2.7	1711.54	1.00	1711.74	0.90	1712.48	1.0	1717.52	1.3	1717.43	0.79	1722.58	1.3	1718.14	0.35	1719.66
10/11/21	2.6	1712.15	0.92	1711.91	0.85	1712.58	1.1	1714.84	1.2	1717.33	1.0	1720.74	1.4	1716.02	0.34	1717.74
10/12/21	2.5	1711.77	0.96	1711.78	0.84	1712.64	1.0	1714.48	1.1	1716.39	1.2	1718.19	1.2	1715.35	0.32	1717.24
10/13/21	2.7	1712.26	0.90	1712.02	0.89	1712.87	1.2	1714.44	1.3	1716.26	1.4	1717.61	1.5	1715.23	0.39	1716.39
10/14/21	2.6	1711.55	0.94	1712.96	0.86	1714.43	1.1	1714.23	1.2	1716.28	1.2	1717.33	1.3	1715.16	0.39	1716.84
10/15/21	2.6	1711.82	0.9	1712.38	0.86	1712.49	1.1	1713.91	1.2	1716.84	1.2	1717.99	1.3	1716.45	0.39	1717.09
10/16/21	2.6	1712.11	0.91	1713.26	0.85	1711.93	1.1	1715.20	1.2	1717.32	1.1	1719.93	1.3	1716.63	0.40	1717.50
10/17/21	2.6	1712.38	0.92	1713.21	0.86	1712.07	1.1	1715.21	1.2	1716.82	1.6	1714.87	1.3	1716.70	0.35	1717.84
10/18/21	2.6	1712.28	0.93	1712.46	0.86	1712.32	1.1	1715.06	1.2	1716.62	1.5	1714.99	1.2	1716.60	0.33	1717.41
10/19/21	2.6	1712.09	0.85	1712.17	0.86	1712.40	1.1	1714.80	1.2	1716.17	1.4	1715.96	1.2	1717.59	0.35	1717.90
10/20/21 ²	2.5	1716.31	0.90	1710.11	0.84	1712.59	1.1	1715.10	1.1	1719.84	1.3	1718.75	1.3	1717.26	0.35	1719.22
10/21/21	2.3	1714.68	0.94	1710.29	0.84	1712.51	1.1	1715.97	1.0	1718.43	1.2	1717.61	1.3	1713.71	0.40	1716.03
10/22/21	2.3	1717.33	0.90	1713.78	0.81	1714.60	1.1	1716.90	1.1	1718.27	1.2	1718.72	1.3	1714.80	0.39	1716.82
10/23/21	2.2	1718.04	0.94	1711.81	0.82	1713.90	1.0	1716.23	1.5	1711.70	1.5	1712.74	1.5	1713.31	0.36	1716.72
10/24/21	2.3	1716.69	0.91	1711.75	0.82	1713.54	1.1	1716.08	1.2	1716.57	1.0	1720.13	1.5	1713.41	0.39	1716.67
10/25/21 ²	2.2	1717.31	0.85	1711.85	0.73	1717.47	1.0	1714.76	1.1	1716.83	1.1	1721.04	1.3	1714.92	0.27	1725.14
10/26/21	2.2	1716.43	0.94	1711.18	0.74	1717.23	1.2	1713.42	1.2	1717.45	0.85	1720.90	1.4	1715.84	0.36	1726.81
10/27/21	2.2	1715.26	0.90	1710.71	0.86	1711.35	1.2	1714.03	1.1	1717.24	1.3	1715.65	1.3	1714.71	0.54	1709.55
10/28/21	2.2	1715.33	0.93	1710.56	0.87	1711.18	1.1	1713.47	1.1	1716.70	1.3	1715.86	1.3	1714.73	0.51	1709.52
10/29/21	2.3	1715.10	0.90	1711.70	0.85	1712.33	1.2	1714.04	1.1	1717.54	1.3	1717.13	1.3	1715.40	0.46	1712.33
10/30/21	2.3	1714.41	0.87	1711.61	0.85	1711.54	1.2	1714.07	1.1	1717.44	1.3	1716.86	1.3	1715.52	0.46	1712.62
10/31/21	2.4	1712.34	0.96	1711.85	0.85	1711.74	1.1	1715.00	1.1	1718.05	1.2	1717.51	1.3	1715.80	0.39	1717.99
Monthly Average	2.5	1713.36	0.93	1711.79	0.84	1712.81	1.1	1715.30	1.2	1716.52	1.2	1717.90	1.3	1715.62	0.39	1716.51
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	620	10/6/2021	1,200	10/6/2021	450	10/6/2021	91	10/6/2021	430	10/6/2021	1,100	10/6/2021	1,100	10/6/2021	1,400	10/6/2021
Hexavalent Chromium	0.081	10/6/2021	0.49	10/6/2021	0.68	10/6/2021	0.030	10/6/2021	0.027	10/6/2021	0.073	10/6/2021	0.078	10/6/2021	0.17	10/6/2021
Total Chromium	0.076	10/6/2021	0.48	10/6/2021	0.64	10/6/2021	0.037	10/6/2021	0.027	10/6/2021	0.074	10/6/2021	0.075	10/6/2021	0.18	10/6/2021

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 10/09, 10/20, and 10/25, AP wells offline briefly for maintenance.
 3: On 10/20, E2-2 totalizer failed; averaged flows are presented from 10/20 to 10/22.
 4: On 10/26, E2-5 totalizer failed; averaged flows are presented for this day.
 4: Duplicates taken on 10/06 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



Note:

1. Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. 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 7/15/20.

Figure 2 - FBR Equivalent Loading Calculation

