

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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation ³ (ft amsl)		
06/01/21	511	162	1535.58	96	1538.80	130	1542.36	108	1535.62	71	1546.80	102	1547.36	50	1548.47	20	1549.45	9.6	< 1520.00		
06/02/21	510	162	1535.56	96	1538.74	130	1542.24	108	1535.61	71	1546.79	102	1547.36	50	1548.47	20	1549.44	9.6	< 1520.00		
06/03/21	507	162	1535.55	96	1538.75	130	1542.22	108	1535.59	71	1546.78	102	1547.35	50	1548.46	20	1549.43	9.6	< 1520.00		
06/04/21	510	162	1535.53	96	1538.74	130	1542.24	108	1535.58	71	1546.77	102	1547.34	50	1548.45	20	1549.42	9.6	< 1520.00		
06/05/21	510	162	1535.51	96	1538.72	130	1542.21	108	1535.57	71	1546.77	102	1547.33	50	1548.44	20	1549.42	9.6	< 1520.00		
06/06/21	510	162	1535.50	96	1538.72	130	1542.17	108	1535.55	71	1546.76	102	1547.32	50	1548.43	20	1549.41	9.6	< 1520.00		
06/07/21	510	162	1535.49	96	1538.71	130	1542.19	108	1535.54	71	1546.75	102	1547.31	50	1548.42	20	1549.40	9.6	< 1520.00		
06/08/21	510	161	1535.48	96	1538.74	130	1542.30	108	1535.53	71	1546.74	102	1547.30	50	1548.41	20	1549.39	9.6	< 1520.00		
06/09/21	510	161	1535.57	96	1538.80	130	1542.38	108	1535.58	71	1546.74	102	1547.30	50	1548.42	20	1549.39	9.6	< 1520.01		
06/10/21	458	162	1535.60	96	1538.77	130	1542.42	108	1535.59	71	1546.74	102	1547.30	50	1548.42	20	1549.38	9.6	< 1520.00		
06/11/21	458	162	1535.58	95	1538.72	130	1542.35	108	1535.57	71	1546.74	102	1547.30	50	1548.42	20	1549.38	9.6	< 1520.00		
06/12/21	459	162	1535.56	95	1538.70	130	1542.28	108	1535.56	71	1546.73	102	1547.29	50	1548.42	20	1549.37	9.6	< 1520.00		
06/13/21	460	162	1535.54	95	1538.69	130	1542.26	108	1535.54	71	1546.72	102	1547.28	50	1548.41	20	1549.37	9.5	< 1520.00		
06/14/21	459	162	1535.52	95	1538.68	130	1542.30	108	1535.53	71	1546.71	102	1547.28	50	1548.40	20	1549.35	9.5	< 1520.00		
06/15/21	459	162	1535.51	95	1538.71	130	1542.28	108	1535.51	71	1546.70	102	1547.27	50	1548.39	20	1549.34	9.5	< 1520.00		
06/16/21	458	162	1535.49	95	1538.64	130	1542.24	108	1535.50	71	1546.70	102	1547.26	50	1548.38	20	1549.34	9.6	< 1520.00		
06/17/21	458	162	1535.48	96	1538.59	130	1542.17	108	1535.48	71	1546.69	102	1547.25	50	1548.37	20	1549.33	9.5	< 1520.00		
06/18/21	458	162	1535.46	96	1538.56	130	1542.11	108	1535.47	71	1546.68	102	1547.24	50	1548.37	20	1549.32	9.5	< 1520.00		
06/19/21	458	162	1535.44	96	1538.52	130	1542.08	108	1535.45	71	1546.67	102	1547.24	50	1548.36	20	1549.31	9.5	< 1520.00		
06/20/21	458	162	1535.42	96	1538.55	130	1542.10	108	1535.44	71	1546.65	102	1547.22	50	1548.34	20	1549.30	9.5	< 1520.00		
06/21/21	460	161	1535.41	95	1538.62	130	1542.21	108	1535.43	71	1546.64	102	1547.22	50	1548.34	20	1549.29	9.5	< 1520.00		
06/22/21	461	161	1535.40	95	1538.67	130	1542.24	108	1535.41	71	1546.64	102	1547.22	50	1548.34	20	1549.30	9.5	< 1520.00		
06/23/21	461	161	1535.41	95	1538.71	130	1542.32	108	1535.41	71	1546.65	102	1547.23	50	1548.35	20	1549.31	9.5	< 1520.00		
06/24/21	462	161	1535.49	95	1538.76	130	1542.39	108	1535.49	71	1546.71	102	1547.30	50	1548.42	20	1549.37	9.5	< 1520.00		
06/25/21	460	161	1535.61	95	1538.78	130	1542.40	108	1535.57	71	1546.80	102	1547.40	50	1548.52	20	1549.47	9.6	< 1520.00		
06/26/21	459	161	1535.65	95	1538.80	130	1542.38	108	1535.58	71	1546.83	102	1547.45	50	1548.57	20	1549.53	9.6	< 1520.00		
06/27/21	459	161	1535.67	95	1538.85	130	1542.40	108	1535.60	71	1546.86	102	1547.49	50	1548.61	20	1549.57	9.6	< 1520.00		
06/28/21	462	161	1535.70	95	1538.87	130	1542.42	108	1535.61	71	1546.88	102	1547.52	50	1548.64	20	1549.60	9.6	< 1520.00		
06/29/21	466	161	1535.72	95	1538.91	130	1542.52	108	1535.63	71	1546.89	102	1547.54	50	1548.67	20	1549.62	9.6	< 1520.00		
06/30/21	466	161	1535.75	95	1538.98	130	1542.65	108	1535.65	71	1546.91	102	1547.57	50	1548.70	20	1549.65	9.6	< 1520.00		
Monthly Average	475	162	1535.54	96	1538.73	130	1542.29	108	1535.54	71	1546.75	102	1547.33	50	1548.45	20	1549.41	9.6	1520.00		
Analytical ¹	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc ¹ (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date
Perchlorate	13	6/9/2021	8.7	6/9/2021	2.1	6/9/2021	8.5	6/9/2021	1.2	6/9/2021	0.14	6/9/2021	0.0061	6/9/2021	0.011	6/9/2021	0.85	6/9/2021	0.85	6/9/2021	
Hexavalent Chromium	0.0028	6/9/2021	ND	6/9/2021	ND	6/9/2021	0.0041	6/9/2021	ND	6/9/2021	ND	6/9/2021	ND	6/9/2021	ND	6/9/2021	ND	6/9/2021	ND	6/9/2021	
Total Chromium	0.0012 J	6/9/2021	ND	6/9/2021	ND	6/9/2021	0.0023 J	6/9/2021	ND	6/9/2021	ND	6/9/2021	ND	6/9/2021	ND	6/9/2021	ND	6/9/2021	ND	6/9/2021	

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: Totalizer for LS #1 offline 06/03 to 06/09; flows were averaged over the previous week for this period.
 3: A "e" 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.
 4: Duplicates taken on 06/09 for well PC-117; average of both values is presented and used for calculations.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	LS #3 Flow (gpm)	ART-1/1A		ART-2/2A		ART-3/3A		ART-4/4A		ART-9		ART-7A/7B		ART-8/8A		PC-150				
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{2,3,4} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)			
06/01/21	395	42	1583.90	141	1583.69	22	1586.46	3.6	1581.43	55	1577.51	19	1584.65	171	1583.43	1.5	1578.69			
06/02/21	392	42	1583.91	141	1583.70	22	1586.48	3.6	1579.93	55	1577.49	19	1584.54	171	1583.44	1.5	1578.69			
06/03/21	392	42	1583.92	141	1583.71	22	1586.49	3.6	1578.84	55	1577.53	19	1584.54	171	1583.45	1.5	1578.69			
06/04/21	395	42	1583.93	141	1583.72	22	1586.50	3.6	1581.40	55	1577.53	19	1584.58	171	1583.45	1.5	1578.70			
06/05/21	395	42	1583.94	141	1583.73	22	1586.52	3.6	1580.06	55	1577.53	19	1584.57	171	1583.46	1.5	1578.70			
06/06/21	396	42	1583.95	142	1583.74	22	1586.53	3.7	1578.84	55	1577.52	19	1584.55	171	1583.46	1.5	1578.70			
06/07/21	396	42	1583.95	142	1583.74	22	1586.53	3.7	1578.84	55	1577.52	19	1584.60	171	1583.47	1.5	1578.70			
06/08/21	392	42	1583.95	141	1583.74	22	1586.54	3.7	1578.83	55	1577.56	19	1584.73	171	1583.46	1.5	1578.70			
06/09/21	395	42	1583.95	142	1583.74	22	1586.54	3.6	1581.94	55	1577.54	19	1584.82	171	1583.47	1.5	1578.70			
06/10/21	392	42	1583.95	141	1583.74	22	1586.54	3.6	1582.92	55	1577.56	19	1584.87	171	1583.46	1.5	1578.71			
06/11/21	395	42	1583.96	141	1583.75	22	1586.55	3.6	1582.93	55	1577.58	19	1584.83	171	1583.47	1.5	1578.71			
06/12/21	395	42	1583.96	141	1583.75	22	1586.56	3.6	1582.94	55	1577.58	19	1584.77	171	1583.47	1.5	1578.71			
06/13/21	395	42	1583.96	141	1583.74	22	1586.56	3.6	1581.73	55	1577.55	19	1584.76	171	1583.47	1.5	1578.71			
06/14/21	395	42	1583.95	142	1583.74	22	1586.56	3.7	1580.28	55	1577.54	19	1584.82	171	1583.47	1.5	1578.71			
06/15/21	395	42	1583.95	142	1583.74	22	1586.56	3.6	1581.55	55	1577.55	19	1584.81	171	1583.46	1.5	1578.70			
06/16/21	392	42	1583.96	141	1583.74	22	1586.56	3.6	1582.94	55	1577.53	19	1584.78	171	1583.47	1.5	1578.71			
06/17/21	392	42	1583.96	141	1583.74	22	1586.57	3.6	1582.94	55	1577.52	19	1584.71	171	1583.47	1.5	1578.71			
06/18/21	396	42	1583.96	141	1583.75	22	1586.57	3.7	1580.41	55	1577.51	19	1584.65	171	1583.47	1.5	1578.71			
06/19/21	396	42	1583.97	141	1583.75	22	1586.58	3.7	1578.84	55	1577.50	19	1584.63	171	1583.47	1.5	1578.70			
06/20/21	395	42	1583.97	141	1583.76	22	1586.59	3.7	1578.84	54	1577.51	19	1584.66	171	1583.48	1.5	1578.70			
06/21/21	396	42	1583.97	141	1583.76	22	1586.59	3.7	1578.84	54	1577.54	19	1584.76	171	1583.47	1.5	1578.70			
06/22/21	395	42	1583.98	141	1583.77	22	1586.59	3.7	1578.83	54	1577.50	19	1584.79	171	1583.48	1.5	1578.70			
06/23/21	396	42	1583.98	141	1583.77	22	1586.60	3.7	1578.83	54	1577.49	19	1584.85	172	1583.48	1.5	1578.70			
06/24/21	396	42	1583.98	141	1583.78	22	1586.60	3.7	1578.83	54	1577.50	18	1584.84	171	1583.48	1.5	1578.70			
06/25/21	396	42	1584.00	141	1583.79	22	1586.61	3.7	1578.83	54	1577.49	18	1584.76	171	1583.49	1.5	1578.70			
06/26/21	396	42	1584.01	141	1583.81	22	1586.62	3.7	1578.83	54	1577.47	19	1584.69	171	1583.50	1.5	1578.70			
06/27/21	396	42	1584.03	141	1583.83	22	1586.64	3.7	1578.84	54	1577.48	19	1584.67	171	1583.52	1.5	1578.71			
06/28/21	396	42	1584.04	141	1583.84	22	1586.65	3.7	1578.84	54	1577.48	19	1584.66	171	1583.53	1.5	1578.71			
06/29/21	393	42	1584.05	141	1583.85	22	1586.66	3.7	1578.83	54	1577.47	19	1584.72	171	1583.54	1.5	1578.70			
06/30/21	396	42	1584.07	141	1583.87	22	1586.68	3.7	1578.83	54	1577.48	18	1584.81	172	1583.55	1.5	1578.71			
Monthly Average	395	42	1583.97	141	1583.76	22	1586.57	3.6	1580.16	55	1577.52	19	1584.71	171	1583.48	1.5	1578.70			
Analytical ¹	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
Perchlorate	27	6/9/2021	9.4	6/9/2021	180	6/9/2021	125	6/9/2021	140	6/9/2021	67	6/9/2021	68	6/9/2021	46	6/9/2021	46	6/9/2021	46	6/9/2021
Hexavalent Chromium	ND	6/9/2021	0.0036	6/9/2021	0.35	6/9/2021	0.22	6/9/2021	0.62	6/9/2021	0.65	6/9/2021	0.076	6/9/2021	0.039	6/9/2021	0.039	6/9/2021	0.039	6/9/2021
Total Chromium	ND	6/9/2021	ND	6/9/2021	0.30	6/9/2021	0.16	6/9/2021	0.57	6/9/2021	0.41	6/9/2021	0.067	6/9/2021	0.035	6/9/2021	0.035	6/9/2021	0.035	6/9/2021

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; NO₃-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 06/01, ART4 switched to ART4A until 06/02
 3: On 06/04, ART4 switched briefly to ART4A
 4: On 06//09, ART4 switched to ART4A until 06/13
 5: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 06/01-06/30 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.
 6: Duplicates taken on 06/09 for well ART-4; 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 (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)
06/01/21	0.14	1721.94	0.91	1709.07	0.00	1719.27	0.00	1725.67	0.76	1722.65	0.35	1709.70	3.2	1708.37	1.5	1715.21	0.95	1715.91	4.2	1718.84
06/02/21	0.13	1721.86	0.91	1709.03	0.00	1719.27	0.00	1725.69	0.77	1722.61	0.41	1709.74	3.1	1708.37	1.5	1715.32	1.0	1715.56	4.2	1718.81
06/03/21	0.13	1721.92	0.91	1709.06	0.00	1719.26	0.00	1725.69	0.78	1722.59	0.42	1709.72	3.1	1708.38	1.4	1715.54	1.1	1714.47	4.2	1718.76
06/04/21	0.12	1722.01	0.86	1710.01	0.00	1719.27	0.00	1725.68	0.78	1722.56	0.41	1709.70	3.0	1708.38	1.4	1715.65	1.1	1714.35	4.2	1718.70
06/05/21	0.12	1722.21	0.86	1710.01	0.00	1719.26	0.00	1725.68	0.78	1722.56	0.41	1709.69	3.0	1708.39	1.4	1715.72	1.1	1714.57	4.2	1718.63
06/06/21	0.12	1722.26	0.86	1710.01	0.00	1719.26	0.00	1725.66	0.78	1722.53	0.38	1709.69	3.0	1708.39	1.4	1715.77	1.1	1714.81	4.2	1718.58
06/07/21	0.11	1722.39	0.85	1710.06	0.00	1719.25	0.00	1725.64	0.78	1722.51	0.35	1709.69	3.1	1708.41	1.3	1715.92	1.0	1714.86	4.2	1718.52
06/08/21	0.11	1722.53	0.80	1711.19	0.00	1719.27	0.00	1725.62	0.78	1722.53	0.36	1709.72	3.2	1708.43	1.3	1716.11	1.0	1714.88	4.2	1718.46
06/09/21	0.11	1722.58	0.80	1711.08	0.00	1719.28	0.00	1725.61	0.77	1722.55	0.30	1709.71	3.2	1708.44	1.3	1716.03	1.0	1714.86	4.2	1718.42
06/10/21	0.11	1722.53	0.84	1710.29	0.00	1719.26	0.00	1725.61	0.76	1722.57	0.32	1709.70	3.2	1708.46	1.3	1715.82	1.0	1714.88	4.1	1718.37
06/11/21	0.10	1722.67	0.82	1710.70	0.00	1719.26	0.0	1725.62	0.76	1722.62	0.33	1709.71	3.2	1708.48	1.3	1715.64	1.0	1714.85	4.1	1718.32
06/12/21	0.10	1722.74	0.80	1711.12	0.00	1719.27	0.00	1725.63	0.76	1722.62	0.36	1709.82	3.2	1708.47	1.3	1715.59	1.0	1714.83	4.1	1718.28
06/13/21	0.09	1722.83	0.77	1711.63	0.00	1719.27	0.00	1725.62	0.76	1722.60	0.41	1709.71	3.1	1708.46	1.3	1715.47	1.0	1714.84	4.1	1718.24
06/14/21	0.09	1722.85	0.79	1711.38	0.00	1719.27	0.00	1725.60	0.77	1722.57	0.41	1709.72	3.0	1708.46	1.3	1715.39	1.0	1714.80	4.1	1718.19
06/15/21	0.09	1722.86	0.90	1709.00	0.022	1718.81	0.012	1725.19	0.76	1722.60	0.40	1709.72	3.0	1708.46	1.4	1711.24	1.2	1712.45	4.2	1718.12
06/16/21	0.10	1722.57	0.95	1707.78	0.00	1719.16	0.00	1725.88	0.75	1722.68	0.41	1709.71	3.0	1708.46	1.5	1707.86	1.2	1712.02	4.3	1718.04
06/17/21	0.09	1722.64	0.95	1707.59	0.00	1719.14	0.00	1725.82	0.74	1722.73	0.40	1709.76	3.0	1708.46	1.5	1707.52	1.2	1712.00	4.3	1717.96
06/18/21	0.09	1722.77	0.95	1707.66	0.00	1719.13	0.00	1725.80	0.74	1722.73	0.39	1709.78	2.9	1708.46	1.5	1707.17	1.2	1712.72	4.3	1717.89
06/19/21	0.08	1722.88	0.95	1707.59	0.00	1719.15	0.00	1725.77	0.75	1722.71	0.40	1709.77	2.9	1708.46	1.5	1707.16	1.2	1712.62	4.3	1717.82
06/20/21	0.08	1722.95	0.95	1707.61	0.00	1719.16	0.00	1725.73	0.74	1722.73	0.37	1709.80	2.9	1708.47	1.4	1708.22	1.2	1712.62	4.3	1717.75
06/21/21	0.08	1722.92	0.95	1707.71	0.00	1719.14	0.00	1725.70	0.73	1722.76	0.37	1709.78	2.9	1708.47	1.4	1708.70	1.1	1712.95	4.3	1717.68
06/22/21	0.08	1723.02	0.94	1707.92	0.00	1719.12	0.00	1725.71	0.73	1722.78	0.37	1709.70	2.9	1708.48	1.4	1709.45	1.0	1714.21	4.3	1717.61
06/23/21	0.07	1723.12	0.95	1707.69	0.00	1719.10	0.00	1725.73	0.72	1722.82	0.41	1709.67	2.9	1708.48	1.4	1709.05	1.0	1714.27	4.3	1717.55
06/24/21	0.09	1722.97	0.95	1707.65	0.00	1719.09	0.00	1725.74	0.70	1722.95	0.36	1709.66	3.1	1708.48	1.4	1709.07	1.0	1714.20	4.3	1717.49
06/25/21	0.10	1722.46	0.95	1707.76	0.00	1719.09	0.00	1725.72	0.68	1723.04	0.31	1709.69	3.1	1708.48	1.4	1709.49	1.0	1714.16	4.3	1717.43
06/26/21	0.09	1722.52	0.94	1707.88	0.00	1719.09	0.00	1725.67	0.68	1723.04	0.31	1709.67	3.0	1708.48	1.4	1709.00	1.0	1714.13	4.3	1717.38
06/27/21	0.09	1722.62	0.93	1708.01	0.00	1719.09	0.00	1725.62	0.68	1723.00	0.32	1709.64	2.9	1708.48	1.3	1709.55	1.0	1714.36	4.3	1717.34
06/28/21	0.09	1722.60	0.93	1708.14	0.00	1719.09	0.00	1725.60	0.68	1722.99	0.39	1709.65	2.9	1708.48	1.3	1709.29	1.0	1714.38	4.3	1717.29
06/29/21	0.09	1722.56	0.92	1708.23	0.00	1719.08	0.00	1725.59	0.67	1723.01	0.40	1709.65	3.0	1708.48	1.3	1709.40	1.0	1714.36	4.3	1717.23
06/30/21	0.09	1722.60	0.90	1708.67	0.00	1719.08	0.00	1725.62	0.67	1723.02	0.38	1709.65	3.1	1708.47	1.3	1709.08	1.0	1714.35	4.3	1717.17
Monthly Average	0.10	1722.58	0.89	1709.05	0.00	1719.17	0.00	1725.66	0.74	1722.72	0.37	1709.71	3.0	1708.45	1.4	1712.01	1.1	1714.14	4.2	1718.03
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	400	6/3/2021	39	6/3/2021	120	6/15/2021	190	6/15/2021	190	6/15/2021	350	6/3/2021	480	6/8/2021	630	6/8/2021	460	6/8/2021	650	6/8/2021
Hexavalent Chromium	0.55	6/3/2021	0.057	6/3/2021	ND	6/15/2021	1.7	6/15/2021	1.8	6/15/2021	0.22	6/3/2021	2.7	6/8/2021	4.4	6/8/2021	5.6	6/8/2021	12	6/8/2021
Total Chromium	3.8	6/3/2021	0.056	6/3/2021	0.017	6/15/2021	1.9	6/15/2021	1.8	6/15/2021	0.23	6/3/2021	2.9	6/8/2021	4.6	6/8/2021	5.7	6/8/2021	12	6/8/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 06/15 I-AA, I-B, I-D, I-E, I-F, I-H, I-P, I-Q, I-R, I-S, and I-T adjusted to meet flow target as directed by the Trust.
 3: On 06/04, I-C adjusted to meet flow target as directed by the Trust.
 4: On 06/03 I-E, I-M, I-N, I-O, and I-S, adjusted to meet flow target 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 ^{2,5,6} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow ^{4,5,6} (gpm)	Water Elevation (ft amsl)	Flow ^{4,5,6} (gpm)	Water Elevation (ft amsl)	Flow ^{2,5,6} (gpm)	Water Elevation (ft amsl)
06/01/21	0.23	1721.49	1.1	1720.36	3.9	1722.72	6.5	1720.21	2.8	1717.77	1.1	1714.56	1.9	1719.21	3.2	1718.11	0.28	1722.62	1.7	1722.54
06/02/21	0.23	1721.48	1.0	1720.40	3.7	1722.74	6.5	1720.36	2.8	1717.92	1.1	1714.64	2.0	1719.05	3.3	1718.01	0.37	1722.61	1.7	1722.55
06/03/21	0.24	1721.47	1.00	1720.44	3.5	1722.74	6.5	1720.46	2.7	1718.04	1.2	1714.18	2.1	1718.68	3.6	1717.68	0.52	1722.56	1.7	1722.54
06/04/21	0.24	1721.46	0.98	1720.50	3.4	1722.73	6.5	1720.56	2.7	1718.17	1.2	1714.00	2.1	1718.63	3.5	1717.58	0.47	1722.56	1.7	1722.53
06/05/21	0.24	1721.45	0.92	1720.52	3.4	1722.74	6.5	1720.60	2.7	1718.21	1.2	1714.00	2.1	1718.59	3.5	1717.51	0.45	1722.56	1.7	1722.54
06/06/21	0.24	1721.44	0.96	1720.55	3.4	1722.74	6.5	1720.66	2.7	1718.26	1.2	1714.00	2.1	1718.56	3.5	1717.43	0.47	1722.57	1.7	1722.54
06/07/21	0.23	1721.44	1.0	1720.57	3.8	1722.74	6.5	1720.75	2.7	1718.28	1.2	1714.00	2.1	1718.53	3.5	1717.35	0.50	1722.57	1.7	1722.54
06/08/21	0.23	1721.43	1.0	1720.55	4.1	1722.72	6.4	1720.99	2.6	1718.27	1.2	1714.00	2.1	1718.50	3.5	1717.25	0.47	1722.56	1.7	1722.53
06/09/21	0.23	1721.42	1.0	1720.55	4.2	1722.72	6.4	1721.04	2.6	1718.28	1.2	1714.00	2.1	1718.49	3.5	1717.17	0.44	1722.56	1.7	1722.53
06/10/21	0.23	1721.41	1.0	1720.56	4.3	1722.72	6.4	1721.13	2.6	1718.29	1.2	1714.00	2.1	1718.47	3.5	1717.08	0.44	1722.55	1.7	1722.52
06/11/21	0.23	1721.41	0.97	1720.59	4.3	1722.73	6.4	1721.14	2.6	1718.31	1.2	1714.00	2.1	1718.45	3.4	1716.99	0.43	1722.56	1.7	1722.53
06/12/21	0.23	1721.41	0.97	1720.62	4.1	1722.74	6.4	1721.15	2.6	1718.33	1.2	1714.00	2.1	1718.44	3.4	1716.90	0.42	1722.58	1.7	1722.54
06/13/21	0.23	1721.40	0.94	1720.83	3.8	1722.74	6.4	1721.15	2.6	1718.34	1.2	1714.00	2.1	1718.42	3.3	1716.82	0.39	1722.58	1.7	1722.55
06/14/21	0.23	1721.40	0.86	1721.00	3.4	1722.74	6.4	1721.16	2.6	1718.35	1.2	1714.00	2.1	1718.40	3.3	1716.71	0.37	1722.59	1.7	1722.56
06/15/21	0.23	1721.39	1.0	1719.89	3.4	1722.74	6.4	1721.22	2.6	1718.46	1.2	1715.26	2.0	1718.38	3.3	1716.55	0.54	1722.53	1.8	1722.51
06/16/21	0.22	1721.36	1.1	1719.00	3.3	1722.72	6.4	1721.23	2.6	1718.51	1.2	1715.15	2.0	1718.35	3.3	1716.33	0.57	1722.48	1.8	1722.46
06/17/21	0.22	1721.34	1.1	1719.05	3.2	1722.72	6.3	1721.22	2.6	1718.52	1.0	1715.01	2.0	1718.28	3.2	1716.03	0.48	1722.48	1.8	1722.44
06/18/21	0.22	1721.33	1.0	1719.10	3.3	1722.71	6.3	1721.24	2.5	1718.57	0.88	1716.11	2.0	1718.23	3.2	1715.80	0.41	1722.48	1.8	1722.44
06/19/21	0.22	1721.31	1.04	1719.24	3.3	1722.71	6.3	1721.24	2.5	1718.58	0.82	1716.04	2.0	1718.19	3.2	1715.49	0.39	1722.48	1.8	1722.43
06/20/21	0.22	1721.29	1.0	1719.24	3.3	1722.70	6.3	1721.27	2.5	1718.61	0.91	1715.49	2.0	1718.16	3.2	1715.16	0.37	1722.47	1.8	1722.43
06/21/21	0.22	1721.27	1.0	1719.31	3.2	1722.69	6.3	1721.34	2.5	1718.60	1.2	1715.94	2.0	1718.15	3.2	1714.87	0.36	1722.46	1.8	1722.42
06/22/21	0.23	1721.25	1.0	1719.36	3.2	1722.68	6.3	1721.41	2.5	1718.59	1.2	1715.52	2.0	1718.13	3.2	1714.69	0.45	1722.46	1.8	1722.41
06/23/21	0.23	1721.22	1.0	1719.61	3.3	1722.67	6.3	1721.43	2.5	1718.59	1.2	1715.89	2.0	1718.11	3.1	1714.74	0.49	1722.46	1.8	1722.41
06/24/21	0.23	1721.21	1.2	1719.88	3.8	1722.67	6.6	1719.84	2.9	1717.55	1.2	1716.54	2.0	1718.10	3.2	1714.68	0.46	1722.47	1.7	1722.41
06/25/21	0.23	1721.20	1.0	1720.39	3.8	1722.66	6.8	1718.33	3.1	1716.75	1.2	1712.96	2.0	1718.09	3.1	1714.52	0.41	1722.48	1.8	1722.43
06/26/21	0.22	1721.20	0.95	1720.47	3.6	1722.65	6.8	1718.06	3.0	1716.81	1.1	1715.75	2.0	1718.07	3.0	1714.45	0.37	1722.48	1.8	1722.43
06/27/21	0.22	1721.19	0.92	1720.49	3.4	1722.65	6.8	1717.92	3.0	1716.85	1.1	1715.48	2.0	1718.04	2.9	1714.61	0.37	1722.48	1.8	1722.43
06/28/21	0.22	1721.18	1.1	1718.16	3.3	1722.64	6.8	1717.83	3.0	1716.85	1.1	1715.69	2.0	1718.02	3.0	1713.90	0.51	1722.41	1.9	1722.36
06/29/21	0.22	1721.17	1.2	1717.15	3.4	1722.61	6.8	1717.76	2.9	1716.87	1.1	1714.84	2.0	1717.99	3.0	1713.51	0.55	1722.36	2.0	1722.28
06/30/21	0.22	1721.16	1.4	1717.49	3.9	1722.59	6.8	1717.72	2.9	1716.86	1.1	1713.29	2.0	1717.97	3.1	1713.67	0.59	1722.34	2.0	1722.25
Monthly Average	0.23	1721.34	1.0	1719.86	3.6	1722.70	6.5	1720.35	2.7	1718.01	1.1	1714.74	2.0	1718.36	3.3	1716.05	0.44	1722.51	1.8	1722.47
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	880	6/8/2021	660	6/8/2021	510	6/15/2021	200	6/15/2021	260	6/15/2021	280	6/3/2021	690	6/8/2021	630	6/8/2021	610	6/8/2021	790	6/8/2021
Hexavalent Chromium	15	6/8/2021	13	6/8/2021	7.7	6/15/2021	3.9	6/15/2021	2.4	6/15/2021	1.4	6/3/2021	5.4	6/8/2021	6.5	6/8/2021	9.2	6/8/2021	12	6/8/2021
Total Chromium	15	6/8/2021	14	6/8/2021	6.6	6/15/2021	3.8	6/15/2021	2.5	6/15/2021	1.4	6/3/2021	5.5	6/8/2021	6.9	6/8/2021	9.3	6/8/2021	12	6/8/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 06/15 I-AA, I-B, I-D, I-E, I-F, I-H, I-P, I-Q, I-R, I-S, and I-T adjusted to meet flow target as directed by the Trust.
 4: On 06/03 I-E, I-M, I-O, and I-S, adjusted to meet flow target as directed by the Trust.
 5: On 06/24 I-H, I-J, I-K, and I-U, adjusted to meet flow target as directed by the Trust.
 6: On 06/28 I-H, I-N, I-O, I-P, I-S, and I-U, adjusted to meet flow target as directed by the Trust.
 7: On 06/20, I-L adjusted to meet flow target 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-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Z			
	Flow ² (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow ^{2,4,5,6} (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow ^{4,5,6} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)		
06/01/21	0.26	1717.80	1.1	1718.64	1.9	1711.34	0.34	1718.66	0.80	1713.26	4.1	1721.67	0.73	1722.19	3.7	1714.79	1.3	1710.81	8.1	1715.00
06/02/21	0.26	1717.78	1.1	1718.68	1.9	1710.70	0.34	1718.69	0.79	1713.41	4.1	1721.69	0.73	1722.19	3.7	1714.75	1.3	1710.90	7.7	1715.05
06/03/21	0.28	1717.70	1.0	1718.74	2.1	1707.88	0.34	1718.67	0.81	1713.34	4.0	1721.68	0.71	1722.13	3.7	1714.64	1.3	1710.52	7.5	1715.04
06/04/21	0.27	1717.71	1.0	1718.67	2.1	1707.68	0.35	1718.65	0.79	1713.48	4.0	1721.67	0.71	1722.11	3.7	1714.53	1.3	1710.22	7.6	1715.01
06/05/21	0.29	1717.60	1.0	1718.63	2.1	1707.67	0.35	1718.65	0.78	1713.65	4.0	1721.67	0.68	1722.11	3.7	1714.43	1.3	1710.11	7.5	1715.01
06/06/21	0.29	1717.56	1.0	1718.61	2.0	1708.13	0.34	1718.65	0.70	1713.38	4.0	1721.68	0.70	1722.09	3.7	1714.35	1.3	1710.11	7.7	1715.02
06/07/21	0.29	1717.55	1.2	1718.60	2.0	1708.66	0.34	1718.65	0.70	1713.26	4.0	1721.67	0.75	1722.07	3.7	1714.26	1.3	1710.02	8.1	1714.98
06/08/21	0.28	1717.55	1.2	1718.62	2.0	1708.74	0.34	1718.65	0.80	1713.42	4.1	1721.65	0.76	1722.03	3.7	1714.18	1.3	1710.04	8.2	1714.94
06/09/21	0.28	1717.55	1.1	1718.64	2.0	1708.89	0.34	1718.64	0.75	1713.31	4.2	1721.65	0.75	1722.03	3.7	1714.10	1.3	1710.18	8.1	1714.97
06/10/21	0.27	1717.53	1.2	1718.63	1.9	1708.96	0.34	1718.64	0.78	1713.39	4.2	1721.64	0.77	1722.02	3.7	1714.02	1.3	1710.27	8.2	1715.00
06/11/21	0.27	1717.52	1.3	1718.56	1.9	1708.95	0.34	1718.66	0.70	1713.71	4.1	1721.65	0.75	1722.03	3.7	1713.94	1.3	1710.31	7.7	1715.04
06/12/21	0.27	1717.50	1.2	1718.52	1.9	1708.94	0.34	1718.67	0.76	1713.80	4.1	1721.67	0.72	1722.06	3.7	1713.86	1.3	1710.31	7.8	1715.05
06/13/21	0.27	1717.48	1.1	1718.50	1.9	1709.18	0.34	1718.68	0.78	1713.60	4.1	1721.68	0.71	1722.08	3.7	1713.79	1.3	1710.30	8.0	1715.04
06/14/21	0.27	1717.46	1.1	1718.58	1.9	1709.68	0.34	1718.71	0.75	1714.14	4.0	1721.68	0.71	1722.09	3.7	1713.70	1.3	1710.46	7.8	1715.02
06/15/21	0.33	1717.10	1.2	1717.01	2.0	1708.37	0.48	1716.59	0.75	1713.97	4.0	1721.66	0.71	1722.02	3.7	1713.60	1.4	1707.34	7.7	1715.04
06/16/21	0.35	1716.92	1.2	1716.24	2.0	1707.25	0.57	1715.12	0.66	1713.90	3.9	1721.63	0.69	1721.89	3.7	1713.47	1.4	1705.00	7.9	1715.03
06/17/21	0.34	1716.95	1.2	1716.34	2.0	1707.23	0.57	1715.12	0.74	1713.92	3.9	1721.61	0.64	1721.84	3.7	1713.33	1.4	1705.00	7.8	1715.00
06/18/21	0.33	1716.98	1.2	1716.49	2.0	1707.42	0.56	1715.17	0.68	1713.83	4.0	1721.60	0.63	1721.80	3.7	1713.18	1.4	1705.00	7.6	1714.96
06/19/21	0.32	1716.97	1.2	1716.88	2.0	1707.68	0.55	1715.33	0.71	1713.80	4.0	1721.59	0.64	1721.78	3.7	1713.03	1.4	1705.00	7.6	1714.92
06/20/21	0.31	1716.97	1.2	1716.89	1.9	1708.11	0.54	1715.52	0.70	1713.85	4.0	1721.58	0.63	1721.75	3.7	1712.87	1.4	1705.00	7.6	1714.86
06/21/21	0.30	1716.97	1.1	1716.80	1.9	1708.01	0.53	1715.61	0.70	1713.77	3.8	1721.56	0.63	1721.71	3.7	1712.70	1.4	1705.00	7.6	1714.82
06/22/21	0.31	1716.97	1.1	1716.82	1.9	1708.10	0.53	1715.69	0.66	1713.68	3.9	1721.55	0.64	1721.69	3.7	1712.50	1.4	1705.00	7.7	1714.81
06/23/21	0.31	1716.96	1.2	1716.55	1.9	1708.03	0.52	1715.70	0.69	1713.60	4.0	1721.54	0.68	1721.66	3.7	1712.25	1.4	1700.60	7.7	1714.79
06/24/21	0.30	1716.95	1.2	1716.56	1.8	1709.29	0.51	1715.89	0.64	1714.90	4.1	1721.49	0.71	1721.67	3.7	1712.02	1.4	1700.75	8.0	1714.79
06/25/21	0.30	1716.96	1.2	1716.68	1.7	1710.08	0.50	1716.11	0.59	1715.49	4.2	1721.45	0.72	1721.70	3.7	1711.69	1.4	1702.28	8.1	1714.64
06/26/21	0.29	1716.97	1.2	1716.62	1.7	1710.26	0.50	1716.17	0.60	1715.50	4.1	1721.45	0.71	1721.72	3.6	1711.30	1.4	1702.47	8.0	1714.53
06/27/21	0.29	1716.96	1.2	1716.83	1.7	1710.48	0.50	1716.17	0.67	1715.29	4.1	1721.45	0.67	1721.72	3.6	1710.75	1.4	1701.83	8.0	1714.45
06/28/21	0.29	1716.95	1.1	1716.94	1.9	1708.34	0.50	1716.07	0.80	1713.17	4.1	1721.42	0.66	1721.52	3.6	1710.11	1.4	1702.59	7.9	1714.39
06/29/21	0.28	1716.94	1.1	1716.93	1.9	1707.01	0.50	1715.98	0.78	1712.72	4.1	1721.36	0.67	1721.26	3.6	1709.18	1.4	1702.23	7.9	1714.29
06/30/21	0.28	1716.93	1.3	1716.99	1.9	1707.01	0.49	1715.98	0.68	1713.38	4.3	1721.30	0.74	1721.17	3.6	1708.20	1.4	1697.15	8.0	1714.23
Monthly Average	0.29	1717.26	1.2	1717.61	1.9	1708.60	0.44	1717.12	0.72	1713.80	4.1	1721.59	0.70	1721.87	3.7	1712.98	1.4	1706.56	7.8	1714.86
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	640	6/8/2021	670	6/3/2021	390	6/3/2021	1,500	6/8/2021	890	6/8/2021	580	6/15/2021	620	6/8/2021	570	6/8/2021	370	6/3/2021	260	6/15/2021
Hexavalent Chromium	14	6/8/2021	0.96	6/3/2021	1.6	6/3/2021	15	6/8/2021	15	6/8/2021	7.4	6/15/2021	10	6/8/2021	8.8	6/8/2021	1.3	6/3/2021	6.6	6/15/2021
Total Chromium	14	6/8/2021	0.97	6/3/2021	1.6	6/3/2021	15	6/8/2021	15	6/8/2021	7.1	6/15/2021	11	6/8/2021	9.3	6/8/2021	1.3	6/3/2021	6.2	6/15/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 06/15 I-AA, I-B, I-D, I-E, I-F, I-H, I-P, I-Q, I-R, I-S, and I-T adjusted to meet flow target as directed by the Trust.
 4: On 06/03 I-E, I-M, I-N, I-O, and I-S, adjusted to meet flow target as directed by the Trust.
 5: On 06/24 I-H, I-J, I-K, and I-U, adjusted to meet flow target as directed by the Trust.
 6: On 06/28 I-H, I-N, I-O, I-P, I-S, and I-U, adjusted to meet flow target as directed by the Trust.
 8: Duplicates taken on 06/08 for well I-U; average of both values is presented and used for calculations.

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 ₄ (mg/L)	Flow ² (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)
06/01/21	936	73				0.00				1,039		47				
06/02/21	933	73	0.21	ND	460	0.00				1,019		47				
06/03/21	942	74				0.00				1,061		53				
06/04/21	936	74				0.00				1,031		49				
06/05/21	936	74				0.00				1,039	54	44				
06/06/21	937	73				0.00				1,026		47				
06/07/21	936	74				7.6	0.055	0.030	60	1,041		46	120	8.7	0.031	0.034
06/08/21	932	73				0.00				1,020		47				
06/09/21	936	73	0.13	ND	440	0.00				1,043		50				
06/10/21	933	73				0.00				1,017		52				
06/11/21	935	74				0.00				1,013		53				
06/12/21	936	73				0.00				1,009	50	38				
06/13/21	936	74				0.00				1,011		53				
06/14/21	935	73				0.00				1,015		48		7.4	0.036	0.035
06/15/21	936	75				0.00				1,015		48				
06/16/21	932	77	0.15	ND	450	0.00				1,021		46				
06/17/21	933	75				0.00				1,016		47				
06/18/21	935	77				0.00				1,031		54				
06/19/21	935	75				0.00				1,021	57	46				
06/20/21	935	75				0.00				1,015		46				
06/21/21	935	76				0.00				1,011		42		8.2	0.034	0.037
06/22/21	935	75				0.00				1,034		54				
06/23/21	935	76	0.44	ND	480	0.00				1,092		43				
06/24/21	935	76				0.00				1,011		52				
06/25/21	935	77				0.00				1,025		52				
06/26/21	935	77				0.00				1,039	69	19				
06/27/21	936	76				0.00				1,031		49				
06/28/21	935	79				0.00				1,017		52		8.4	0.016	0.017
06/29/21	933	78				0.00				1,022		53				
06/30/21	935	78	0.17	ND	430	0.00				1,013		51				
Monthly Average ²	935	75	0.26	ND	461	0.25	0.055	0.0300	60	1,027	58	48	120	8.1	0.034	0.036

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

Table 4 - Treatment Plant Operational Metrics

Date	1st Stage FBR ³			2nd Stage FBR ³			FBR Plant Effluent							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁴ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₂ (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO ₃ - N (mg/L)	ETI - Turbidity (NTU)
06/01/21	1,049	6.5	-303	903	6.5	-397	1,051		0.00		0.0041 J	ND	ND	14
06/02/21	1,063	6.4	-261	940	6.5	-400	1,053		0.00					28
06/03/21	1,067	6.4	-330	909	6.5	-382	1,063		0.00					34
06/04/21	1,063	6.4	-244	961	6.5	-397	1,068		0.00					25
06/05/21	1,060	6.4	-261	941	6.5	-405	1,061	ND	0.00					20
06/06/21	1,058	6.5	-321	705	6.6	-410	1,058		0.00					24
06/07/21	1,070	6.4	-368	885	6.6	-411	1,039		0.019 J	0.0014 J	ND	0.020 J		24
06/08/21	1,068	6.5	-384	903	6.6	-413	1,055		0.00					14
06/09/21	1,062	6.4	-307	756	6.5	-412	1,050		0.00					11
06/10/21	1,057	6.4	-343	857	6.5	-382	1,048		0.00					19
06/11/21	1,046	6.4	-313	918	6.5	-399	1,049		0.00					16
06/12/21	1,032	6.4	-312	815	6.5	-410	799	ND	0.00					17
06/13/21	1,012	6.4	-339	929	6.6	-413	1,042		0.00					17
06/14/21	1,043	6.4	-369	862	6.6	-416	1,045		0.00	0.0019 J	ND	0.035 J		21
06/15/21	1,047	6.4	-283	895	6.6	-414	829		0.00					30
06/16/21	1,009	6.5	-330	871	6.6	-417	959		0.00					15
06/17/21	1,051	6.4	-229	961	6.6	-387	1,040		0.00					12
06/18/21	1,117	6.4	-326	961	6.6	-409	1,065		0.00					16
06/19/21	1,072	6.5	-285	916	6.6	-413	1,050	ND	0.00					19
06/20/21	1,057	6.5	-369	815	6.7	-419	784		0.00					15
06/21/21	1,045	6.5	-247	870	6.5	-309	1,039		0.00		ND	0.025 J		25
06/22/21	1,046	6.5	-255	905	6.5	-310	770		0.00					17
06/23/21	1,046	6.5	-290	915	6.5	-316	794		0.00					18
06/24/21	1,088	6.5	-291	948	6.4	-342	1,034		0.00					18
06/25/21	1,057	6.5	-307	881	6.5	-359	1,060		0.00					10
06/26/21	1,054	6.5	-328	871	6.5	-376	1,050	ND	0.00					20
06/27/21	1,046	6.5	-343	829	6.5	-388	1,048		0.00					24
06/28/21	1,043	6.5	-353	821	6.4	-394	1,049		0.00	0.0014 J	ND	0.072		28
06/29/21	1,038	6.5	-354	896	6.4	-400	1,040		0.00					17
06/30/21	1,043	6.5	-367	861	6.4	-405	802		0.00					15
Monthly Average ²	1,054	6.5	-314	883	6.5	-390	996	ND	ND	0.019	0.0013	ND	0.023	20

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

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

GW-11 Level Monitoring ¹		
Date	Field Measurement (ft)	Volume (MG)
06/15/21	31.7	34.4
06/30/21	31.7	34.4

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
6/10/2021	0	0	674.4	0
6/23/2021	0	0	552.7	0

GW-11 Composite Sample ³		
Analytes	Concentration	Units
Perchlorate	17	mg/L
Chlorate	1.7	mg/L
Ammonia as N	0.094	mg/L
Total Phosphorus	0.27	mg/L
Total Dissolved Solids (TDS)	11,000	mg/L
Total Suspended Solids (TSS)	30	mg/L
pH	9.0 HF	s.u.
Calcium	520	mg/L
Iron	0.18	mg/L
Chromium (total)	0.0028 J	mg/L
Chromium VI	0.0029	mg/L
Chloride	4,200	mg/L
Nitrate as N	0.056	mg/L
Sulfate	3,500	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 (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: May 13, 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)		
July 2020	1,035	66	11	91	458	548
Aug 2020	1,040	59	9	100	444	536
Sep 2020	1,038	59	9	120	492	526
Oct 2020	1,029	64	9	94	441	516
Nov 2020	1,037	56	10	100	451	501
Dec 2020	1,027	59	9	130	507	480
Jan 2021	1,047	54	9	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

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.

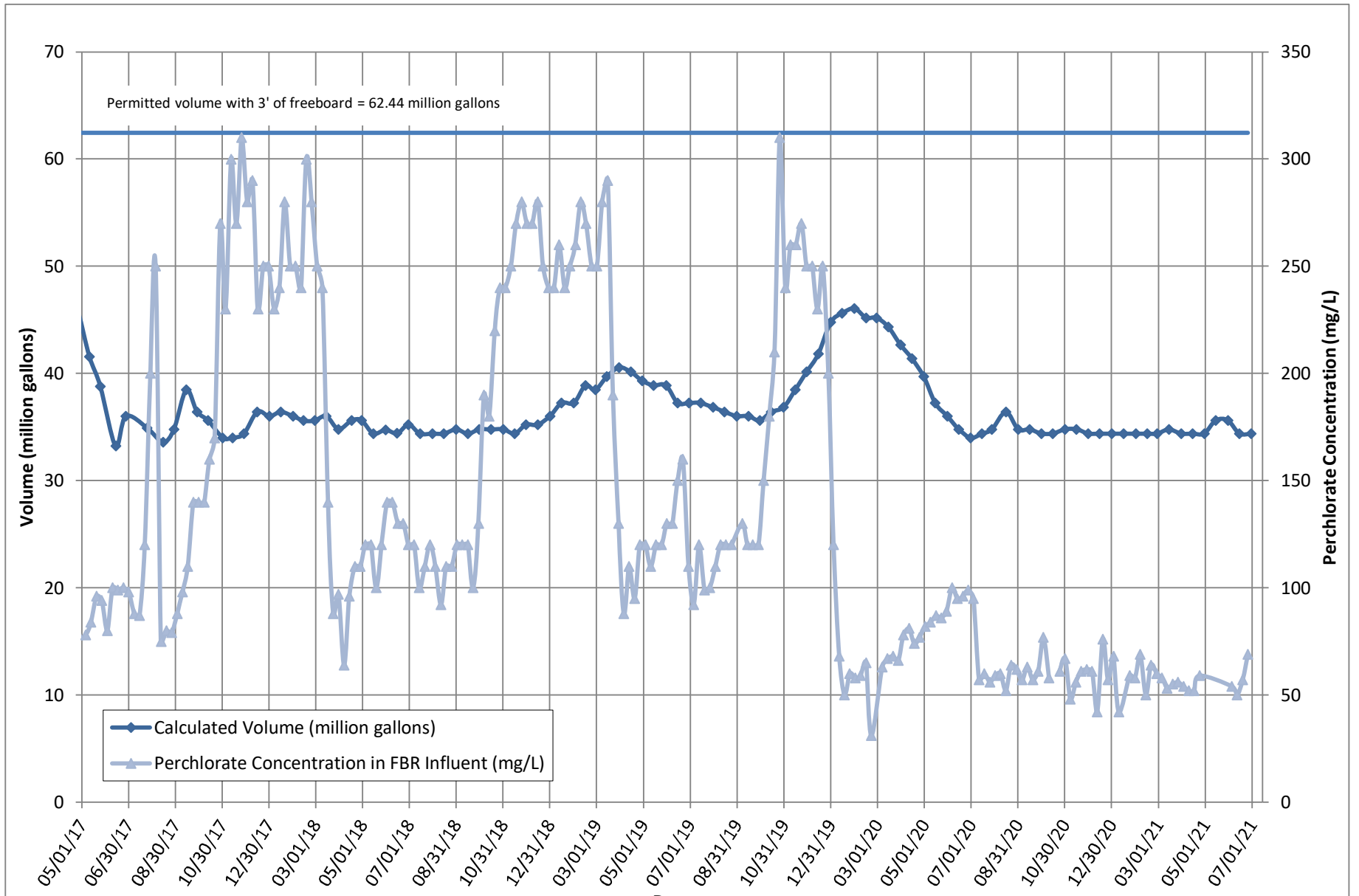
3: FBR loading calculated as $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$.

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 ¹ (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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
06/01/21	2.3	1711.73	0.95	1709.86	0.76	1710.32	0.75	1716.02	1.3	1715.22	1.1	1716.16	1.2	1715.11	0.33	1716.77
06/02/21	2.4	1712.08	0.95	1709.66	0.76	1710.52	0.75	1717.82	1.3	1715.72	1.1	1716.45	1.2	1715.83	0.32	1717.27
06/03/21	2.4	1711.93	0.95	1709.66	0.76	1710.42	0.99	1713.92	1.3	1716.12	1.2	1717.70	1.2	1716.01	0.32	1717.02
06/04/21	2.3	1711.83	0.81	1712.30	0.76	1710.27	0.99	1713.72	1.3	1714.92	1.2	1716.75	1.2	1716.01	0.35	1716.02
06/05/21	2.4	1711.93	0.84	1712.37	0.77	1710.48	1.0	1708.94	1.3	1715.32	1.2	1715.96	1.3	1714.56	0.34	1716.46
06/06/21	2.3	1712.50	0.83	1713.18	0.76	1710.57	0.74	1718.87	1.3	1716.23	1.1	1717.98	1.2	1717.02	0.32	1717.10
06/07/21	2.3	1712.03	0.83	1712.36	0.76	1710.52	0.87	1715.32	1.3	1714.72	1.2	1716.65	1.2	1716.76	0.32	1717.32
06/08/21	2.3	1712.28	0.82	1713.16	0.77	1710.32	0.80	1716.62	1.2	1715.52	1.1	1717.95	1.2	1717.11	0.31	1717.02
06/09/21	2.3	1712.33	0.84	1711.56	0.77	1710.32	0.80	1716.92	1.2	1715.52	1.0	1719.50	1.2	1715.61	0.26	1718.62
06/10/21	2.3	1711.33	0.82	1712.26	0.77	1710.12	0.39	1718.32	1.2	1715.42	1.4	1715.95	1.1	1716.41	0.46	1714.32
06/11/21	2.3	1712.73	0.82	1712.16	0.79	1710.02	1.4	1712.42	1.2	1715.62	1.4	1714.35	1.1	1717.41	0.47	1715.12
06/12/21	2.2	1712.18	0.71	1711.95	0.72	1710.19	0.98	1712.37	1.2	1715.47	1.3	1714.32	1.1	1717.29	0.41	1715.31
06/13/21	2.1	1711.28	0.98	1711.41	0.72	1710.97	1.0	1712.17	1.2	1714.97	1.3	1713.95	1.1	1716.86	0.40	1715.02
06/14/21	2.2	1714.08	0.84	1711.36	0.71	1713.12	0.98	1713.92	1.2	1715.82	1.3	1716.75	1.1	1714.71	0.40	1713.57
06/15/21	2.2	1713.43	0.9	1711.50	0.77	1710.52	1.0	1713.97	1.2	1715.07	1.3	1715.73	1.1	1716.21	0.41	1714.67
06/16/21	2.3	1712.98	0.85	1712.26	0.78	1710.42	0.99	1713.92	1.3	1714.22	1.3	1713.75	1.1	1714.01	0.38	1713.62
06/17/21	2.3	1712.03	0.86	1712.26	0.77	1710.42	1.0	1713.02	1.3	1714.42	1.3	1714.50	1.2	1716.01	0.41	1714.22
06/18/21	2.3	1711.93	0.85	1712.46	0.77	1710.22	0.99	1713.67	1.3	1714.17	1.4	1714.65	1.1	1714.91	0.25	1714.12
06/19/21	1.7	1712.95	0.88	1712.36	0.78	1710.26	1.0	1713.21	1.4	1714.20	1.4	1714.60	1.2	1714.96	0.55	1714.00
06/20/21	1.7	1711.68	0.90	1712.61	0.76	1710.52	1.0	1713.57	1.4	1713.52	1.3	1714.20	1.2	1713.90	0.42	1714.37
06/21/21	1.7	1719.13	0.88	1711.96	0.76	1710.47	0.99	1713.22	1.4	1713.66	1.3	1715.20	1.2	1715.66	0.42	1713.82
06/22/21	2.0	1714.43	0.87	1712.16	0.82	1710.32	1.0	1712.92	1.1	1713.32	1.2	1716.25	1.1	1715.51	0.41	1714.52
06/23/21	2.1	1714.43	0.86	1712.06	0.69	1710.07	0.97	1713.72	1.5	1713.72	1.2	1716.50	1.1	1715.06	0.39	1714.97
06/24/21	2.1	1713.41	0.83	1711.76	0.76	1710.22	0.96	1714.32	1.3	1714.72	1.1	1716.35	1.00	1717.01	0.39	1714.42
06/25/21	2.2	1714.43	0.84	1712.06	0.74	1710.02	0.94	1714.62	1.3	1714.97	1.2	1716.09	1.1	1715.91	0.39	1714.72
06/26/21	2.2	1713.62	0.85	1711.83	0.77	1710.14	0.96	1714.52	1.3	1715.01	1.2	1715.94	1.1	1715.86	0.39	1714.73
06/27/21	2.2	1713.33	0.86	1711.89	0.77	1710.41	0.97	1714.21	1.3	1715.35	1.2	1714.34	1.1	1715.29	0.41	1715.41
06/28/21	2.2	1713.38	0.80	1711.96	0.77	1710.52	0.93	1714.12	1.3	1714.07	1.3	1713.95	1.1	1715.01	0.40	1714.12
06/29/21	2.2	1712.43	0.85	1711.76	0.78	1710.42	0.98	1714.32	1.3	1713.92	1.3	1714.95	1.1	1716.61	0.38	1713.67
06/30/21	2.2	1713.43	0.81	1712.36	0.72	1710.72	0.94	1714.22	1.3	1714.02	1.3	1714.75	1.1	1715.51	0.37	1716.22
Monthly Average	2.2	1712.91	0.85	1711.89	0.76	1710.46	0.94	1714.29	1.3	1714.83	1.2	1715.74	1.1	1715.81	0.38	1715.28
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	510	6/10/2021	920	6/10/2021	480	6/10/2021	88	6/10/2021	340	6/10/2021	910	6/10/2021	900	6/10/2021	1,200	6/10/2021
Hexavalent Chromium	0.076	6/10/2021	0.60	6/10/2021	1.10	6/10/2021	0.031	6/10/2021	0.028	6/10/2021	0.085	6/10/2021	0.076	6/10/2021	0.260	6/10/2021
Total Chromium	0.072	6/10/2021	0.44	6/10/2021	0.66	6/10/2021	0.029	6/10/2021	0.026	6/10/2021	0.079	6/10/2021	0.073	6/10/2021	0.22	6/10/2021

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: Totalizer for LS failed #1 from 06/03 to 06/09; flows were averaged over the previous week for this period.
 3: Duplicates taken on 06/10 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

