

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)	
07/01/21	470	161	1535.78	95	1538.98	130	1542.57	108	1535.67	71	1546.93	102	1547.59	50	1548.72	20	1549.68	9.6	< 1520.00	
07/02/21	470	161	1535.79	95	1539.00	130	1542.56	108	1535.68	71	1546.93	102	1547.60	50	1548.73	20	1549.69	9.6	< 1520.00	
07/03/21	473	161	1535.80	95	1539.03	130	1542.59	108	1535.68	71	1546.93	102	1547.61	50	1548.74	20	1549.70	9.6	< 1520.00	
07/04/21	473	161	1535.80	95	1539.07	130	1542.59	108	1535.68	71	1546.94	102	1547.62	50	1548.75	20	1549.71	9.6	< 1520.00	
07/05/21	469	161	1535.81	95	1539.09	130	1542.58	108	1535.68	71	1546.94	102	1547.62	50	1548.75	20	1549.71	9.6	< 1520.00	
07/06/21	467	161	1535.81	95	1539.11	130	1542.55	108	1535.69	71	1546.94	102	1547.63	50	1548.76	20	1549.72	9.6	< 1520.00	
07/07/21	468	161	1535.81	95	1539.11	130	1542.49	108	1535.68	71	1546.94	102	1547.63	50	1548.76	20	1549.72	9.6	< 1520.00	
07/08/21	469	161	1535.80	95	1539.14	130	1542.51	108	1535.67	71	1546.92	102	1547.62	50	1548.75	20	1549.71	9.6	< 1520.00	
07/09/21	505	161	1535.79	95	1539.18	130	1542.56	108	1535.66	71	1546.92	102	1547.61	50	1548.75	20	1549.71	9.6	< 1520.00	
07/10/21	523	161	1535.78	95	1539.20	130	1542.54	108	1535.65	71	1546.91	102	1547.61	50	1548.74	20	1549.71	9.6	< 1520.00	
07/11/21	524	161	1535.77	95	1539.21	130	1542.53	108	1535.64	71	1546.89	102	1547.60	50	1548.73	20	1549.70	9.6	< 1520.00	
07/12/21	524	161	1535.76	95	1539.23	130	1542.52	108	1535.63	71	1546.88	102	1547.59	50	1548.72	20	1549.69	9.6	< 1520.00	
07/13/21	487	160	1536.11	94	1539.45	129	1542.74	107	1535.95	71	1546.98	101	1547.68	50	1548.80	20	1549.75	9.9	1521.52	
07/14/21	524	162	1536.05	95	1539.41	130	1542.72	108	1535.91	71	1546.94	102	1547.65	50	1548.79	20	1549.74	10	1521.38	
07/15/21	526	162	1536.01	95	1539.40	130	1542.70	108	1535.88	71	1546.93	102	1547.65	50	1548.80	20	1549.75	10	1520.96	
07/16/21	526	162	1536.00	95	1539.40	130	1542.64	108	1535.87	71	1546.94	102	1547.67	50	1548.81	20	1549.77	10	1520.53	
07/17/21	526	162	1535.99	95	1539.42	130	1542.69	108	1535.86	71	1546.94	102	1547.67	50	1548.82	20	1549.78	10	1520.12	
07/18/21	324	162	1535.99	95	1539.46	130	1542.78	108	1535.85	71	1546.94	102	1547.68	50	1548.82	20	1549.79	10	< 1520.00	
07/19/21	13	162	1535.99	96	1539.49	130	1542.79	108	1535.85	71	1546.94	102	1547.68	50	1548.82	20	1549.79	10	< 1520.00	
07/20/21	395	163	1537.25	97	1539.63	131	1543.49	108	1536.63	71	1547.57	102	1548.66	50	1549.70	21	1550.72	10	1522.94	
07/21/21	508	163	1537.91	98	1539.63	131	1543.88	108	1537.05	71	1547.91	103	1549.30	50	1550.30	21	1551.40	11	1524.91	
07/22/21	503	163	1537.61	97	1539.64	131	1543.78	108	1536.86	71	1547.79	102	1549.17	50	1550.20	20	1551.32	10	1524.40	
07/23/21	493	163	1537.45	97	1539.68	131	1543.73	108	1536.75	71	1547.73	102	1549.10	50	1550.14	20	1551.28	10	1523.92	
07/24/21	490	163	1537.34	97	1539.70	131	1543.64	108	1536.67	71	1547.68	102	1549.06	50	1550.10	20	1551.25	10	1523.47	
07/25/21	571	161	1537.44	95	1539.80	129	1543.66	107	1536.79	70	1547.69	101	1549.06	50	1550.11	20	1551.25	10	1523.62	
07/26/21	1190	163	1537.44	97	1539.78	131	1543.71	108	1536.73	71	1547.69	102	1549.08	50	1550.13	20	1551.28	10	1523.51	
07/27/21	1195	163	1537.49	97	1539.87	130	1543.76	108	1536.75	71	1547.73	102	1549.14	50	1550.21	20	1551.36	10.4	1523.27	
07/28/21	1198	163	1537.44	97	1539.89	131	1543.74	108	1536.71	71	1547.74	102	1549.16	50	1550.22	20	1551.38	10	1522.96	
07/29/21	1199	163	1537.40	97	1539.90	131	1543.67	108	1536.72	71	1547.72	102	1549.15	50	1550.22	20	1551.38	10	1522.69	
07/30/21	1200	163	1537.37	96	1539.92	131	1543.74	108	1536.70	71	1547.71	102	1549.14	50	1550.21	20	1551.37	10.4	1522.53	
07/31/21	1200	163	1537.35	96	1539.96	131	1543.75	108	1536.68	71	1547.69	102	1549.13	50	1550.20	20	1551.36	10.4	1522.38	
Monthly Average	610	162	1536.49	96	1539.45	130	1543.04	108	1536.14	71	1547.24	102	1548.20	50	1549.30	20	1550.33	10.0	1521.45	
Analytical ¹	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
Perchlorate	13	7/14/2021	11.0	7/14/2021	3.0	7/14/2021	9.5	7/14/2021	1.2	7/14/2021	0.16	7/14/2021	ND	7/14/2021	0.005	7/14/2021	0.92	7/14/2021		
Hexavalent Chromium	0.0037	7/14/2021	ND	7/14/2021	ND	7/14/2021	0.0047	7/14/2021	ND	7/14/2021	ND	7/14/2021	ND	7/14/2021	ND	7/14/2021	ND	7/14/2021		
Total Chromium	ND	7/14/2021	ND	7/14/2021	ND	7/14/2021	0.0025	7/14/2021	ND	7/14/2021	ND	7/14/2021	ND	7/14/2021	ND	7/14/2021	ND	7/14/2021		

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: On 07/13, and 07/18 to 07/20 LS #1 offline intermittently due to maintenance
 3: 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.
 4: Duplicates taken on 07/14/9 for well PC-119; 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 ³ (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 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)	Flow ⁶ (gpm)	Water Elevation (ft amsl)
07/01/21	393	42	1584.08	141	1583.89	22	1586.70	3.7	1578.83	54	1577.48	19	1584.70	171	1583.56	1.5	1578.71
07/02/21	396	42	1584.10	141	1583.91	22	1586.71	3.7	1578.83	55	1577.48	19	1584.68	171	1583.58	1.5	1578.72
07/03/21	396	42	1584.11	141	1583.93	23	1586.72	3.8	1578.83	55	1577.49	19	1584.70	171	1583.59	1.5	1578.72
07/04/21	396	42	1584.12	141	1583.94	23	1586.74	3.8	1578.83	55	1577.50	19	1584.69	171	1583.60	1.5	1578.72
07/05/21	396	42	1584.14	141	1583.95	23	1586.75	3.8	1578.83	55	1577.49	19	1584.66	171	1583.61	1.5	1578.73
07/06/21	396	42	1584.15	141	1583.97	23	1586.76	3.8	1578.83	55	1577.48	19	1584.62	171	1583.62	1.5	1578.73
07/07/21	396	42	1584.17	141	1584.00	23	1586.78	3.8	1578.84	55	1577.49	19	1584.56	171	1583.58	1.5	1578.73
07/08/21	396	42	1584.18	140	1584.00	23	1586.79	3.8	1578.84	55	1577.51	19	1584.58	171	1583.64	1.5	1578.73
07/09/21 ⁷	386	40	1584.20	134	1584.09	19	1583.15	3.6	1578.87	52	1577.57	18	1584.64	162	1583.56	1.5	1578.81
07/10/21	395	42	1584.27	140	1584.15	22	1577.20	3.7	1578.84	54	1577.47	18	1584.60	169	1583.82	1.5	1578.80
07/11/21	394	42	1584.30	139	1584.16	22	1581.91	3.7	1578.84	54	1577.47	18	1584.59	169	1583.80	1.5	1579.01
07/12/21	398	42	1584.28	141	1584.10	23	1587.21	3.9	1578.84	55	1577.45	19	1584.59	171	1583.71	1.5	1578.99
07/13/21	373	40	1584.41	131	1584.39	22	1587.37	3.7	1579.16	53	1577.91	18	1584.67	159	1583.93	1.5	1579.52
07/14/21	398	42	1584.34	140	1584.18	23	1587.27	3.9	1578.84	55	1577.47	19	1584.66	171	1583.77	1.5	1579.12
07/15/21	398	42	1584.33	140	1584.17	23	1587.25	3.9	1578.84	55	1577.47	19	1584.62	171	1583.75	1.5	1579.11
07/16/21	398	42	1584.33	140	1584.16	23	1587.25	3.9	1578.84	55	1577.47	19	1584.55	171	1583.75	1.5	1579.11
07/17/21	398	42	1584.33	140	1584.16	23	1587.26	3.9	1578.84	55	1577.48	19	1584.59	170	1583.75	1.5	1579.11
07/18/21	370	39	1584.01	129	1584.47	22	1587.45	3.6	1580.54	53	1577.84	18	1584.73	157	1583.98	1.5	1579.65
07/19/21	400	42	1584.41	141	1584.31	23	1587.36	3.9	1583.23	55	1577.44	19	1584.70	171	1583.86	1.5	1579.17
07/20/21	397	42	1584.42	141	1584.26	23	1587.33	4.0	1580.07	55	1577.43	19	1584.57	171	1583.82	1.5	1579.15
07/21/21	396	42	1584.42	141	1584.26	23	1587.33	4.0	1578.84	55	1577.42	19	1584.51	171	1583.82	1.5	1579.14
07/22/21	399	42	1584.43	141	1584.26	23	1587.33	4.0	1578.84	55	1577.41	19	1584.56	171	1583.82	1.5	1579.13
07/23/21	399	42	1584.45	141	1584.28	23	1587.34	4.0	1578.84	55	1577.41	19	1584.60	171	1583.84	1.5	1579.13
07/24/21	399	42	1584.47	141	1584.30	23	1587.36	4.0	1578.84	55	1577.38	19	1584.56	171	1583.85	1.5	1579.13
07/25/21 ⁷	396	42	1584.50	139	1584.35	23	1587.39	3.9	1578.89	55	1577.40	19	1584.55	170	1583.89	1.5	1579.21
07/26/21	400	42	1584.51	141	1584.35	23	1587.39	4.0	1578.84	55	1577.40	19	1584.61	171	1583.88	1.5	1579.14
07/27/21	400	42	1584.53	141	1584.36	23	1587.40	4.0	1578.84	55	1577.40	19	1584.61	171	1583.90	1.5	1579.14
07/28/21	400	42	1584.56	141	1584.39	23	1587.42	4.0	1578.84	55	1577.40	19	1584.58	171	1583.92	1.5	1579.15
07/29/21	400	42	1584.58	141	1584.42	23	1584.60	4.0	1578.84	55	1577.40	19	1584.53	171	1583.84	1.5	1579.15
07/30/21	397	42	1584.61	141	1584.44	24	1583.08	4.0	1578.84	55	1577.40	19	1584.60	171	1583.84	1.5	1579.16
07/31/21	400	42	1584.62	141	1584.46	24	1583.09	4.0	1578.84	55	1577.40	19	1584.63	171	1583.86	1.5	1579.16
Monthly Average	396	42	1584.33	140	1584.20	23	1586.18	3.9	1579.09	55	1577.48	19	1584.61	170	1583.77	1.5	1579.03
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	
Perchlorate	27	7/14/2021	9.8	7/14/2021	190	7/14/2021	110	7/14/2021	150	7/14/2021	69	7/14/2021	64	7/14/2021	38	7/14/2021	
Hexavalent Chromium	ND	7/14/2021	0.0038	7/14/2021	0.33	7/14/2021	0.13	7/14/2021	0.61	7/14/2021	0.43	7/14/2021	0.082	7/14/2021	0.038	7/14/2021	
Total Chromium	ND	7/14/2021	ND	7/14/2021	0.30	7/14/2021	0.12	7/14/2021	0.60	7/14/2021	0.42	7/14/2021	0.066	7/14/2021	0.035	7/14/2021	

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, -7A, -8, -9, and PC-150 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 07/09 and 07/25, AWF offline briefly due to maintenance
 3: On 07/13 and 07/18, LS #3 offline briefly due to maintenance
 4: On 07/07, 07/10, and 07/11, ART3 switched briefly to ART3A
 5: On 07/07, 07/10, and 07/11, ART8 switched briefly to ART8A
 6: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 07/01-07/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.
 7: Duplicates taken on 07/14 for well ART-8A; average of both values is presented and used for calculations.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (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)	Flow ⁶ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{3,6} (gpm)	Water Elevation (ft amsl)	Flow ^{3,6} (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)
07/01/21 ²	0.09	1722.67	0.89	1709.02	0.00	1719.10	0.00	1725.55	0.59	1723.44	0.30	1709.75	3.0	1708.60	1.3	1710.80	0.99	1714.40	4.2	1717.15
07/02/21	0.09	1722.68	0.89	1708.93	0.00	1719.10	0.00	1725.49	0.57	1723.61	0.33	1709.83	2.9	1708.48	1.3	1711.67	1	1714.26	4.3	1717.09
07/03/21	0.09	1722.63	0.88	1709.02	0.00	1719.09	0.00	1725.46	0.57	1723.58	0.35	1709.80	2.9	1708.48	1.3	1711.75	1.0	1714.24	4.3	1717.04
07/04/21	0.08	1722.68	0.84	1709.90	0.00	1719.10	0.00	1725.45	0.58	1723.54	0.37	1709.78	2.9	1708.48	1.3	1711.41	1.0	1714.28	4.3	1716.99
07/05/21	0.09	1722.68	0.87	1709.29	0.00	1719.10	0.00	1725.45	0.57	1723.59	0.37	1709.77	2.9	1708.47	1.3	1710.00	1.0	1713.07	4.3	1716.94
07/06/21	0.09	1722.53	0.94	1707.66	0.00	1719.07	0.00	1725.44	0.56	1723.63	0.36	1709.76	2.9	1708.48	1.3	1707.98	1.2	1708.72	4.3	1716.88
07/07/21	0.09	1722.52	0.94	1707.60	0.00	1719.06	0.00	1725.44	0.56	1723.65	0.36	1709.84	2.9	1708.48	1.3	1708.46	1.1	1709.92	4.3	1716.81
07/08/21	0.08	1722.66	0.94	1707.60	0.00	1719.05	0.00	1725.41	0.55	1723.68	0.37	1709.82	2.9	1708.48	1.3	1708.85	1.1	1710.50	4.2	1716.75
07/09/21	0.08	1722.68	0.93	1707.73	0.00	1719.04	0.00	1725.39	0.55	1723.67	0.34	1709.80	2.9	1708.48	1.3	1709.78	1.1	1711.76	4.2	1716.71
07/10/21	0.08	1722.72	0.94	1707.60	0.00	1719.04	0.00	1725.38	0.54	1723.72	0.34	1709.81	2.8	1708.48	1.2	1711.33	1.1	1712.41	4.2	1716.71
07/11/21	0.08	1722.75	0.94	1707.60	0.00	1719.03	0.0	1725.37	0.53	1723.73	0.34	1709.81	2.8	1708.49	1.2	1711.76	1.0	1712.48	4.2	1716.71
07/12/21	0.08	1722.74	0.93	1707.69	0.02	1718.75	0.00	1725.36	0.51	1723.83	0.36	1709.74	2.8	1708.48	1.2	1712.47	1.0	1712.61	4.2	1716.71
07/13/21 ²	0.09	1722.68	0.91	1708.14	0.00	1719.05	0.00	1725.33	0.36	1724.45	0.30	1710.17	2.8	1709.20	1.0	1714.97	0.99	1713.60	4.1	1716.92
07/14/21	0.09	1722.54	0.94	1707.60	0.00	1719.01	0.00	1725.33	0.36	1724.45	0.28	1709.80	3.0	1708.49	1.1	1715.28	1.1	1713.64	4.3	1716.91
07/15/21	0.08	1722.64	0.94	1707.59	0.00	1719.01	0.012	1724.96	0.37	1724.42	0.29	1709.79	3.0	1708.49	1.1	1715.24	1.1	1713.74	4.3	1716.96
07/16/21	0.09	1722.59	0.94	1707.59	0.00	1719.00	0.00	1725.66	0.36	1724.45	0.31	1709.80	2.9	1708.49	1.0	1715.41	1.1	1713.61	4.3	1716.83
07/17/21	0.09	1722.32	0.94	1707.59	0.00	1719.00	0.00	1725.61	0.36	1724.46	0.36	1709.80	2.9	1708.50	1.0	1715.55	1.1	1713.59	4.2	1716.69
07/18/21 ²	0.06	1722.90	0.66	1711.01	0.00	1719.08	0.00	1725.54	0.25	1724.77	0.26	1712.74	2.0	1712.44	0.72	1716.90	0.76	1715.40	3.0	1717.10
07/19/21 ²	0.16	1723.12	0.80	1710.17	0.30	1713.25	0.00	1725.26	0.12	1725.19	0.12	1718.33	2.6	1710.90	0.82	1717.60	0.82	1715.52	3.4	1726.36
07/20/21	0.13	1721.80	0.95	1707.65	0.19	1714.50	0.00	1725.37	0.17	1725.10	0.23	1714.57	3.1	1708.48	1.4	1709.62	1.2	1710.55	4.3	1716.55
07/21/21	0.13	1721.86	0.96	1707.59	0.00	1719.29	0.00	1725.37	0.19	1725.06	0.24	1713.99	3.1	1708.48	1.4	1707.55	1.2	1710.88	4.3	1716.55
07/22/21 ²	0.13	1721.42	0.95	1707.71	0.00	1719.26	0.00	1725.33	0.16	1725.13	0.23	1713.94	3.0	1708.67	1.3	1708.60	1.2	1711.78	4.2	1716.92
07/23/21	0.11	1722.09	0.95	1707.65	0.00	1719.23	0.00	1725.30	0.21	1725.55	0.35	1709.76	3.1	1708.48	1.3	1709.65	1.1	1712.85	4.3	1716.60
07/24/21	0.11	1722.27	0.95	1707.60	0.00	1719.22	0.00	1725.29	0.18	1725.57	0.35	1709.77	3.0	1708.48	1.3	1710.42	1.1	1712.80	4.3	1712.18
07/25/21	0.12	1722.36	0.95	1707.59	0.00	1719.24	0.00	1725.30	0.17	1725.57	0.36	1709.78	3.1	1708.48	1.3	1710.68	1.1	1713.25	4.2	1712.89
07/26/21 ²	0.16	1721.31	0.95	1707.61	0.00	1719.30	0.00	1725.21	0.23	1724.93	0.35	1709.80	3.2	1708.54	1.3	1711.48	0.88	1715.23	4.1	1712.95
07/27/21	0.14	1721.52	0.96	1707.58	0.00	1719.34	0.00	1725.19	0.22	1724.97	0.35	1709.78	3.2	1708.49	1.3	1711.74	0.87	1715.43	4.2	1716.98
07/28/21	0.14	1721.59	0.96	1707.66	0.00	1719.37	0.00	1725.19	0.20	1725.05	0.40	1709.82	3.1	1708.49	1.3	1712.36	0.86	1715.58	4.3	1717.16
07/29/21	0.14	1721.64	0.96	1707.62	0.00	1719.40	0.00	1725.21	0.18	1725.10	0.41	1709.80	3.0	1708.49	1.3	1713.63	0.86	1715.71	4.3	1717.31
07/30/21	0.14	1721.77	0.96	1707.75	0.00	1719.41	0.00	1725.18	0.16	1725.16	0.40	1709.80	3.2	1708.47	1.3	1714.42	0.83	1715.85	4.3	1717.45
07/31/21	0.14	1721.90	0.96	1707.86	0.00	1719.38	0.00	1725.18	0.15	1725.21	0.33	1709.78	3.2	1708.32	1.3	1715.16	0.83	1715.85	4.3	1717.52
Monthly Average	0.11	1722.33	0.92	1708.10	0.017	1718.80	0.00	1725.35	0.36	1724.46	0.33	1710.60	2.9	1708.72	1.2	1712.00	1.0	1713.34	4.2	1716.82
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	370	7/12/2021	32	7/12/2021	150	7/12/2021	190	7/15/2021	280	7/15/2021	300	7/12/2021	420	7/7/2021	580	7/7/2021	390	7/7/2021	530	7/7/2021
Hexavalent Chromium	0.46	7/12/2021	0.057	7/12/2021	0.013	7/12/2021	1.8	7/15/2021	1.9	7/15/2021	0.18	7/12/2021	3.4	7/7/2021	5.7	7/7/2021	6.9	7/7/2021	14	7/7/2021
Total Chromium	4.5	7/12/2021	0.058	7/12/2021	0.015	7/12/2021	1.7	7/15/2021	1.8	7/15/2021	0.19	7/12/2021	2.8	7/7/2021	4.8	7/7/2021	5.8	7/7/2021	11	7/7/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 07/01, 07/13, 07/18, 07/19, 07/22, 07/26, IWF offline intermittently due to maintenance at GWTP.
 3: On 07/05, I-AA, I-D, I-E, I-L, I-M, and I-N adjusted to meet flow targets as directed by the Trust.
 5: On 07/26, I-F offline briefly due to maintenance.
 6: On 07/19, I-B, I-D, I-E, I-G, I-H, I-L, I-N, I-O, I-P, I-Q, I-R, and I-U adjusted to meet flow targets as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow ⁶ (gpm)	Water Elevation (ft amsl)	Flow 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 ³⁶ (gpm)	Water Elevation (ft amsl)	Flow ³⁹ (gpm)	Water Elevation (ft amsl)	Flow ³⁶⁷⁸⁹ (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)	Flow ⁶⁸⁹ (gpm)	Water Elevation (ft amsl)
07/01/21 ²	0.21	1721.16	1.3	1718.46	3.7	1722.60	6.8	1717.94	2.8	1717.23	1.0	1713.95	2.0	1718.04	2.9	1714.03	0.48	1722.34	1.9	1722.26
07/02/21	0.21	1721.15	1.2	1719.10	3.5	1722.58	6.8	1717.81	2.8	1717.42	1.0	1714.20	2.0	1718.01	2.9	1713.73	0.44	1722.34	1.9	1722.25
07/03/21	0.21	1721.14	1.1	1719.21	3.3	1722.57	6.8	1717.79	2.8	1717.50	1.1	1714.14	2.0	1717.99	2.9	1713.47	0.40	1722.33	1.9	1722.25
07/04/21	0.21	1721.13	1.1	1719.27	3.3	1722.57	6.8	1717.79	2.7	1717.51	1.1	1718.87	2.0	1717.97	2.9	1713.43	0.41	1722.32	1.9	1722.24
07/05/21	0.21	1721.12	1.0	1719.36	3.3	1722.57	6.8	1717.86	2.7	1717.54	1.1	1718.88	2.0	1717.88	2.9	1713.19	0.39	1722.32	1.8	1722.25
07/06/21	0.21	1721.11	0.98	1719.42	3.2	1722.57	6.8	1717.87	2.7	1717.56	1.2	1718.86	2.1	1717.61	2.9	1712.77	0.37	1722.32	1.8	1722.26
07/07/21	0.21	1721.10	0.9	1719.50	3.2	1722.57	6.8	1717.86	2.7	1717.59	1.2	1712.67	2.1	1717.58	2.7	1713.47	0.32	1722.33	1.8	1722.26
07/08/21	0.21	1721.09	0.98	1719.54	3.1	1722.56	6.8	1717.86	2.7	1717.62	1.2	1712.16	2.1	1717.56	2.6	1713.87	0.27	1722.33	1.8	1722.26
07/09/21	0.21	1721.08	0.95	1719.61	3.2	1722.55	6.8	1717.90	2.7	1717.61	1.2	1710.38	2.1	1717.54	2.5	1714.85	0.26	1722.32	1.8	1722.25
07/10/21	0.21	1721.08	0.93	1719.67	3.1	1722.55	6.8	1717.89	2.7	1717.62	1.2	1711.42	2.1	1717.52	2.4	1715.57	0.25	1722.33	1.7	1722.26
07/11/21	0.21	1721.07	0.95	1719.74	3.0	1722.55	6.8	1717.88	2.7	1717.61	1.2	1711.47	2.1	1717.50	2.3	1715.67	0.24	1722.33	1.6	1722.26
07/12/21	0.21	1721.06	0.97	1719.61	3.0	1722.54	6.8	1717.87	2.7	1717.60	1.2	1711.93	2.1	1717.49	2.3	1715.83	0.24	1722.32	1.6	1722.26
07/13/21 ²	0.18	1721.11	0.87	1720.17	2.9	1722.64	6.4	1718.87	2.4	1718.27	1.2	1712.20	2.0	1717.76	2.1	1716.73	0.31	1722.39	1.5	1722.36
07/14/21	0.19	1721.09	0.96	1720.24	3.3	1722.58	6.8	1718.27	2.5	1718.36	1.1	1712.88	2.1	1717.61	1.7	1717.64	0.30	1722.40	1.6	1722.37
07/15/21	0.19	1721.09	1.0	1720.25	3.4	1722.57	6.8	1718.21	2.4	1718.47	1.1	1710.56	2.1	1717.61	2.4	1716.14	0.27	1722.39	1.7	1722.32
07/16/21	0.19	1721.08	1.00	1720.24	3.3	1722.57	6.8	1718.17	2.4	1718.53	1.0	1710.92	2.1	1717.57	2.7	1714.30	0.27	1722.38	1.8	1722.30
07/17/21	0.19	1721.07	0.92	1720.23	3.2	1722.56	6.8	1718.16	2.4	1718.53	1.0	1710.94	2.1	1717.53	2.7	1713.90	0.27	1722.37	1.8	1722.29
07/18/21 ²	0.14	1721.17	0.64	1720.97	2.3	1722.85	4.8	1720.81	1.7	1719.33	0.77	1713.72	1.5	1718.55	1.8	1715.48	0.19	1722.46	1.2	1722.46
07/19/21 ²	0.11	1721.33	0.80	1721.06	3.0	1723.33	5.4	1723.05	1.7	1719.80	0.54	1713.78	1.6	1718.93	2.4	1717.28	0.31	1722.86	1.3	1722.82
07/20/21	0.24	1721.11	1.2	1719.16	3.5	1723.11	6.7	1720.86	2.2	1719.28	1.2	1712.95	2.0	1718.29	3.2	1714.99	0.58	1722.77	1.9	1722.69
07/21/21	0.24	1721.10	1.2	1719.14	3.4	1722.89	6.7	1720.50	2.2	1719.25	1.2	1713.14	2.0	1718.16	3.1	1714.10	0.57	1722.60	1.9	1722.57
07/22/21 ²	0.20	1721.16	1.1	1719.49	3.4	1722.81	6.6	1720.51	2.2	1719.21	0.99	1712.90	1.9	1718.13	2.9	1713.74	0.61	1722.49	1.8	1722.50
07/23/21	0.22	1721.13	1.1	1720.14	3.6	1722.75	6.6	1720.34	2.2	1719.10	0.74	1713.07	2.0	1718.10	3.0	1712.41	0.71	1722.40	1.8	1722.46
07/24/21	0.22	1721.12	1.0	1720.11	3.4	1722.71	6.6	1720.20	2.2	1719.09	0.73	1716.45	2.0	1718.06	2.9	1712.40	0.68	1722.37	1.8	1722.43
07/25/21	0.21	1721.13	1.1	1720.10	3.5	1722.69	6.6	1720.14	2.2	1719.10	0.69	1716.54	1.9	1718.08	2.9	1712.39	0.69	1722.35	1.8	1722.40
07/26/21 ²	0.21	1721.13	1.1	1720.22	4.0	1722.69	6.6	1720.27	2.2	1719.18	0.55	1715.99	1.8	1718.48	2.0	1716.88	0.76	1722.35	1.6	1722.44
07/27/21	0.21	1721.17	1.1	1720.30	3.8	1722.69	6.6	1720.19	2.2	1719.20	0.60	1715.59	1.8	1718.66	1.8	1717.84	0.64	1722.36	1.6	1722.46
07/28/21	0.20	1721.22	1.0	1720.35	3.5	1722.71	6.6	1720.18	2.2	1719.21	0.63	1715.80	1.8	1718.85	1.9	1717.99	0.63	1722.38	1.6	1722.48
07/29/21	0.20	1721.26	1.0	1720.39	3.3	1722.73	6.6	1720.29	2.2	1719.23	0.63	1718.61	1.8	1718.95	2.0	1718.08	0.59	1722.41	1.6	1722.51
07/30/21	0.19	1721.30	1.0	1720.46	3.5	1722.75	6.6	1720.42	2.2	1719.23	0.63	1718.44	1.8	1718.95	2.3	1718.02	0.65	1722.42	1.6	1722.51
07/31/21	0.19	1721.34	1.1	1720.51	3.7	1722.77	6.6	1720.58	2.2	1719.26	0.62	1719.04	2.0	1718.48	3.3	1716.77	0.77	1722.43	1.8	1722.46
Monthly Average	0.20	1721.14	1.0	1719.87	3.3	1722.68	6.6	1719.17	2.4	1718.45	0.96	1714.27	2.0	1718.05	2.6	1715.06	0.45	1722.40	1.7	1722.38
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	750	7/7/2021	760	7/7/2021	490	7/15/2021	210	7/15/2021	250	7/15/2021	260	7/12/2021	580	7/7/2021	450	7/7/2021	570	7/7/2021	610	7/7/2021
Hexavalent Chromium	18	7/7/2021	15	7/7/2021	7.7	7/15/2021	4.0	7/15/2021	2.5	7/15/2021	1.5	7/12/2021	6.5	7/7/2021	8.2	7/7/2021	11	7/7/2021	14	7/7/2021
Total Chromium	15	7/7/2021	13	7/7/2021	7.1	7/15/2021	3.6	7/15/2021	2.4	7/15/2021	1.4	7/12/2021	5.6	7/7/2021	6.7	7/7/2021	8.6	7/7/2021	11	7/7/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 07/01, 07/13, 07/18, 07/19, 07/22, 07/26, IWF offline intermittently due to maintenance at GWTP.
 3: On 07/05, I-AA, I-D, I-E, I-L, I-M, and I-N adjusted to meet flow targets as directed by the Trust.
 6: On 07/19, I-B, I-D, I-E, I-G, I-H, I-L, I-N, I-O, I-P, I-Q, I-R, and I-U adjusted to meet flow targets as directed by the Trust.
 7: On 07/01, I-N and I-S adjusted to meet flow targets as directed by the Trust.
 8: On 07/01, I-N, I-P, and I-S adjusted to meet flow targets as directed by the Trust.
 9: On 07/30, I-M, I-N, I-P, I-R, and I-U adjusted to meet flow targets as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y		I-Z	
	Flow ⁶ (gpm)	Water Elevation (ft amsl)	Flow ^{6,9} (gpm)	Water Elevation (ft amsl)	Flow ^{7,8} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{6,9} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
07/01/21 ²	0.30	1716.77	1.2	1717.60	1.9	1707.13	0.46	1716.49	0.70	1713.78	4.2	1721.33	0.71	1721.22	3.6	1708.62	1.4	1700.27	7.9	1714.45
07/02/21	0.33	1716.59	1.1	1717.77	1.9	1706.96	0.44	1716.83	0.67	1714.09	4.1	1721.29	0.70	1721.14	3.6	1707.94	1.4	1701.46	8.0	1714.30
07/03/21	0.32	1716.65	1.1	1717.69	1.9	1706.95	0.44	1716.89	0.65	1713.96	4.1	1721.27	0.66	1721.10	3.6	1707.12	1.4	1701.63	7.7	1714.22
07/04/21	0.30	1716.74	1.0	1717.75	1.9	1706.95	0.44	1716.89	0.63	1714.01	4.1	1721.25	0.66	1721.07	3.6	1706.25	1.4	1701.66	7.7	1714.17
07/05/21	0.30	1716.74	1.0	1717.71	1.9	1706.94	0.44	1716.88	0.69	1714.04	4.0	1721.25	0.67	1721.06	3.6	1705.39	1.4	1701.61	7.7	1714.16
07/06/21	0.29	1716.77	0.97	1717.70	1.9	1706.92	0.43	1716.88	0.73	1714.16	4.0	1721.25	0.66	1721.05	3.6	1704.48	1.4	1701.65	7.5	1714.13
07/07/21	0.27	1716.84	0.82	1717.66	1.9	1706.92	0.43	1716.87	0.71	1714.37	4.1	1721.24	0.65	1721.05	3.6	1703.32	1.4	1701.45	7.5	1714.10
07/08/21	0.26	1716.87	0.86	1717.64	1.9	1706.92	0.43	1716.85	0.69	1714.47	4.1	1721.23	0.63	1721.09	3.6	1702.54	1.4	1701.62	7.5	1714.02
07/09/21	0.26	1716.87	0.88	1717.70	1.9	1706.92	0.43	1716.82	0.62	1714.08	4.0	1721.22	0.64	1721.07	3.6	1702.07	1.4	1701.62	7.2	1713.99
07/10/21	0.25	1716.88	1.0	1717.70	1.8	1706.92	0.43	1716.83	0.57	1714.65	4.1	1721.22	0.64	1721.07	3.6	1702.26	1.4	1701.93	7.2	1713.96
07/11/21	0.24	1716.88	0.96	1717.76	1.8	1706.92	0.43	1716.88	0.58	1714.51	4.0	1721.22	0.65	1721.01	3.6	1702.55	1.4	1701.90	7.0	1713.94
07/12/21	0.23	1716.97	1.1	1716.83	1.8	1706.91	0.43	1716.89	0.72	1714.15	4.1	1721.21	0.64	1720.99	3.6	1702.55	1.3	1702.09	6.8	1713.91
07/13/21 ²	0.23	1717.04	1.0	1716.04	1.8	1707.50	0.40	1717.23	0.71	1714.33	3.9	1721.39	0.63	1721.40	3.4	1706.45	1.3	1700.38	6.7	1714.81
07/14/21	0.27	1716.82	1.2	1715.76	1.8	1706.91	0.42	1717.03	0.60	1714.49	4.2	1721.29	0.71	1721.40	3.6	1706.95	1.3	1700.41	7.3	1714.23
07/15/21	0.27	1716.85	1.2	1716.10	1.8	1706.93	0.42	1717.02	0.70	1714.26	4.1	1721.28	0.70	1721.34	3.6	1707.65	1.3	1707.04	7.7	1714.18
07/16/21	0.27	1716.82	1.1	1716.09	1.8	1706.96	0.42	1717.02	0.63	1714.16	4.1	1721.26	0.68	1721.27	3.6	1705.01	1.3	1705.58	7.6	1714.13
07/17/21	0.26	1716.84	1.1	1716.09	1.8	1706.96	0.41	1717.13	0.70	1714.42	4.0	1721.25	0.64	1721.23	3.6	1702.89	1.3	1706.03	7.2	1714.06
07/18/21 ²	0.19	1717.22	0.76	1718.32	1.3	1711.09	0.28	1718.30	0.50	1716.63	2.9	1721.85	0.45	1721.82	2.5	1706.50	0.95	1700.41	4.9	1716.57
07/19/21 ²	0.09	1718.01	0.88	1721.26	1.9	1709.75	0.35	1717.96	0.62	1715.59	0.00	1723.66	0.53	1722.93	3.0	1714.02	1.3	1700.44	6.3	1718.41
07/20/21	0.17	1717.61	1.4	1718.43	2.1	1706.95	0.46	1716.79	0.60	1714.65	1.9	1722.97	0.62	1722.79	3.7	1710.40	1.4	1700.42	7.1	1716.47
07/21/21	0.15	1717.63	1.2	1718.49	2.0	1706.95	0.45	1716.97	0.53	1715.25	4.2	1721.82	0.58	1722.58	3.7	1707.25	1.4	1700.47	7.1	1715.83
07/22/21 ²	0.15	1717.61	1.1	1718.60	2.0	1707.04	0.39	1717.68	0.56	1715.63	4.1	1721.67	0.59	1722.41	3.6	1705.67	1.4	1698.90	7.0	1715.63
07/23/21	0.22	1717.18	0.95	1718.00	2.0	1706.95	0.35	1718.18	0.68	1715.26	4.3	1721.55	0.70	1722.10	3.7	1703.03	1.4	1699.45	7.1	1715.33
07/24/21	0.21	1717.19	0.96	1718.15	2.0	1706.87	0.35	1718.25	0.68	1715.44	4.2	1721.49	0.66	1721.99	3.6	1700.47	1.4	1698.69	7.1	1715.09
07/25/21	0.21	1717.20	0.95	1718.39	2.0	1706.95	0.34	1718.31	0.68	1715.52	4.1	1721.45	0.64	1721.89	3.6	1698.95	1.5	1699.10	7.2	1714.99
07/26/21 ²	0.18	1717.32	0.89	1720.19	2.1	1706.96	0.29	1718.91	0.50	1716.25	4.3	1721.44	0.66	1721.95	3.6	1701.63	1.5	1699.45	8.0	1715.03
07/27/21	0.17	1717.47	0.97	1720.47	2.1	1706.95	0.27	1719.08	0.62	1716.49	4.2	1721.45	0.64	1721.95	3.7	1705.66	1.5	1699.25	8.1	1714.98
07/28/21	0.16	1717.56	0.86	1720.56	2.1	1706.95	0.28	1719.10	0.63	1716.52	4.0	1721.47	0.61	1721.99	3.7	1708.57	1.5	1699.69	8.0	1715.01
07/29/21	0.16	1717.65	0.78	1720.58	2.2	1706.95	0.28	1719.11	0.58	1716.27	4.1	1721.51	0.62	1722.03	3.7	1710.84	1.5	1699.48	8.0	1715.08
07/30/21	0.15	1717.71	0.89	1719.93	2.2	1706.95	0.28	1719.14	0.52	1716.12	4.2	1721.53	0.65	1722.05	3.7	1711.97	1.5	1699.55	8.0	1715.12
07/31/21	0.15	1717.78	1.2	1717.96	2.2	1706.95	0.28	1719.14	0.68	1715.68	4.3	1721.56	0.65	1722.06	3.7	1712.16	1.5	1700.30	8.0	1715.22
Monthly Average	0.23	1717.13	1.0	1718.09	1.9	1707.19	0.39	1717.56	0.63	1714.94	3.9	1721.51	0.64	1721.62	3.6	1705.84	1.4	1701.09	7.4	1714.82
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	620	7/7/2021	630	7/12/2021	370	7/12/2021	800	7/7/2021	830	7/7/2021	580	7/15/2021	595	7/7/2021	640	7/12/2021	430	7/12/2021	240	7/15/2021
Hexavalent Chromium	17	7/7/2021	0.95	7/12/2021	1.7	7/12/2021	18	7/7/2021	18	7/7/2021	7.2	7/15/2021	12	7/7/2021	11.0	7/7/2021	1.4	7/12/2021	6.7	7/15/2021
Total Chromium	14	7/7/2021	0.92	7/12/2021	1.6	7/12/2021	15	7/7/2021	14	7/7/2021	7.2	7/15/2021	9.8	7/7/2021	9.0	7/7/2021	1.3	7/12/2021	5.9	7/15/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 07/01, 07/13, 07/18, 07/19, 07/22, 07/26, IWF offline intermittently due to maintenance at GWTP.
 6: On 07/19, I-B, I-D, I-E, I-G, I-H, I-L, I-N, I-O, I-P, I-Q, I-R, and I-U adjusted to meet flow targets as directed by the Trust.
 7: On 07/01, I-N and I-S adjusted to meet flow targets as directed by the Trust.
 8: On 07/01, I-N, I-P, and I-S adjusted to meet flow targets as directed by the Trust.
 9: On 07/30, I-M, I-N, I-P, I-R, and I-U adjusted to meet flow targets as directed by the Trust.
 10: Duplicates taken on 07/07 for well I-W; 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 ₂ (mg/L)	Flow ² (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow (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)
07/01/21	934	76				0.00				1,010		51				
07/02/21	935	77				0.00				1,020		55				
07/03/21	935	77				0.00				1,047	69	55				
07/04/21	935	77				0.00				1,117		42				
07/05/21	934	77				0.00				1,036		49				
07/06/21	935	78				9.9	0.061	0.032	52	1,035		42	120 D	8.7	0.033	0.023
07/07/21	933	77	0.27	ND	440	0.00				1,010		51				
07/08/21	939	77				0.00				1,045		49				
07/09/21	932	77				0.00				1,050		51				
07/10/21	928	77				0.00				1,063		44				
07/11/21	933	77				0.00				1,053		43				
07/12/21	937	77				0.00				1,024		48		8.1	0.016	0.019
07/13/21	875	58				0.00				1,011		47				
07/14/21	938	58	0.24	ND	440	0.00				1,050		40				
07/15/21	937	50				0.46				1,004		54				
07/16/21	938	55				0.00				1,094	61	54				
07/17/21	937	55				0.00				939		50				
07/18/21	701	37				0.00				1,054		48				
07/19/21	402	15				0.00				1,168		37				
07/20/21	825	56				0.00				1,001		57				
07/21/21	944	57	1.0	ND	480	0.00				995		54				
07/22/21	944	49				0.00				1,010		55				
07/23/21	943	67				0.00				1,009	58	55				
07/24/21	943	66				0.00				1,028		48				
07/25/21	919	65				0.00				1,067		51				
07/26/21	959	57				0.00				1,117		54				
07/27/21	944	60				0.00				1,032		54				
07/28/21	950	58	0.13	ND	440	0.00				1,117		52				
07/29/21	945	60				0.00				1,040		54				
07/30/21	945	63				0.00				1,024	57	43				
07/31/21	944	62				0.00										
Monthly Average ²	908	64	0.36	ND	447	0.33	0.061	0.0320	52	1,043	62	49	120	8.1	0.024	0.018

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.
 D = Result was obtained from the analysis of a dilution.
 ND = Not detected above laboratory method detection limit (ClO₂ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-N= 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 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 ⁴ (gpm)	pH (s.u.)	ORP (mV)	Flow ⁴ (gpm)	pH (s.u.)	ORP (mV)	Flow ⁵ (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)
07/01/21	1,016	6.5	-303	863	6.5	-397	1,032		0.0					40
07/02/21	1,052	6.4	-261	909	6.5	-400	1,048		0.0					24
07/03/21	1,048	6.4	-330	877	6.5	-382	1,047	ND	0.0					21
07/04/21	1,038	6.4	-330	964	6.5	-382	1,041		0.0					25
07/05/21	1,046	6.4	-330	895	6.5	-382	893		0.0					25
07/06/21	1,042	6.4	-330	878	6.5	-382	657		0.0	ND	0.006 J	ND	0.026 J	35
07/07/21	1,023	6.4	-330	957	6.5	-382	1,042		0.0					26
07/08/21	1,050	6.4	-330	871	6.5	-382	1,065		0.0					29
07/09/21	1,018	6.4	-330	888	6.5	-382	1,037		0.0					36
07/10/21	999	6.4	-330	926	6.5	-382	1,038		0.0					55
07/11/21	1,079	6.4	-330	951	6.5	-382	856		0.0					31
07/12/21	1,068	6.4	-330	905	6.5	-382	906		0.0		ND	ND	0.021 J	35
07/13/21	1,066	6.4	-330	907	6.5	-382	898		0.0					41
07/14/21	1,049	6.4	-330	905	6.5	-382	1,052		0.0					29
07/15/21	1,052	6.4	-330	907	6.5	-382	922		0.0					33
07/16/21	1,058	6.4	-330	918	6.5	-382	1,054		0.0					20
07/17/21	1,050	6.4	-330	833	6.5	-382	838	ND	0.0					20
07/18/21	1,060	6.4	-330	904	6.5	-382	439		0.0					25
07/19/21	1,041	6.4	-330	779	6.5	-382	370		0.0					29
07/20/21	1,137	6.4	-330	854	6.5	-382	555		0.0		0.016 B	ND	ND	10
07/21/21	1,043	6.4	-330	998	6.5	-382	954		0.0					30
07/22/21	1,054	6.4	-330	941	6.5	-382	816		0.0					19
07/23/21	924	6.4	-330	968	6.5	-382	1,027		0.0					17
07/24/21	1,002	6.4	-330	1,003	6.5	-382	1,032	ND	0.0					12
07/25/21	1,015	6.4	-330	988	6.5	-382	1,035		0.0					9
07/26/21	1,122	6.4	-330	984	6.5	-382	1,092		0.0					15
07/27/21	1,077	6.4	-330	953	6.5	-382	1,096		0.0		0.0035 J	ND	ND	17
07/28/21	1,094	6.4	-330	874	6.5	-382	1,073		0.0					32
07/29/21	1,061	6.4	-330	961	6.5	-382	1,086		0.0					18
07/30/21	1,012	6.4	-330	920	6.5	-382	1,066		0.0					20
07/31/21	1,050	6.4	-330	942	6.5	-382	1,065	ND	0.0					18
Monthly Average ²	1,047	6.4	-327	917	6.5	-383	940	ND	ND	ND	0.0059	ND	ND	26

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.

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

ND = Not detected above laboratory method detection limit (ClO₂ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).

1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data

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 line:

4: On 07/18 and 07/20, Electrical storm caused flow meters to fail; FBR flows were averaged over the previous week for these dates.

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

GW-11 Level Monitoring ¹		
Date	Field Measurement (ft)	Volume (MG)
07/15/21	31.7	34.4
07/31/21	30.8	35.6

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
7/14/2021	0	0	972.6	0
7/28/2021	0	0	628.5	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)		
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	9.3	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
July 2021	1,043	62	8	120	487	460

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.

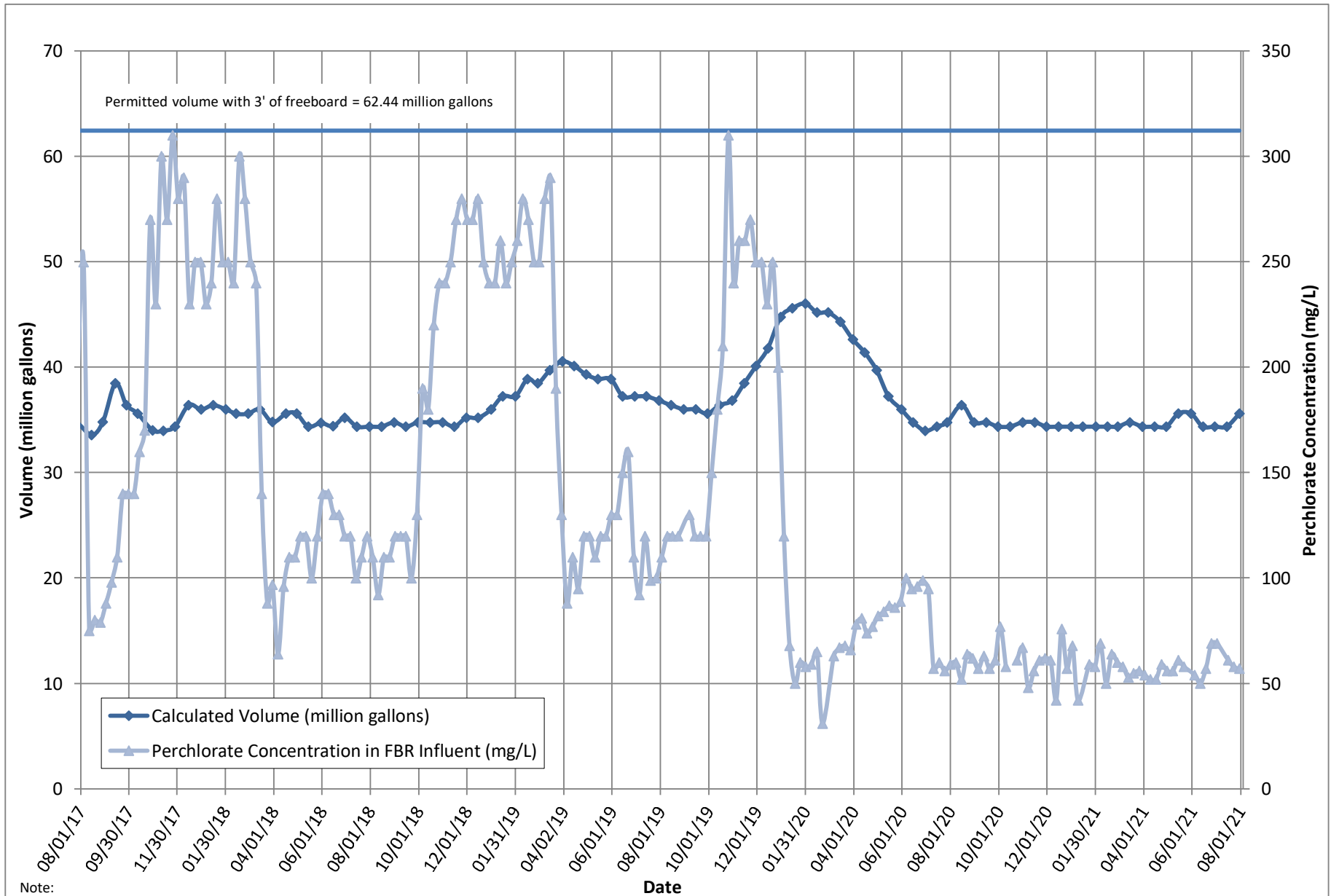
3: FBR loading calculated as $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$.

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 (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 (gpm)	Water Elevation (ft amsl)
07/01/21 ²	2.2	1713.77	0.78	1711.96	0.85	1710.12	0.93	1714.22	1.3	1713.22	1.2	1714.85	1.1	1716.11	0.35	1715.42
07/02/21	2.3	1710.63	0.89	1711.76	0.84	1710.32	0.70	1714.72	1.3	1714.12	0.98	1715.75	1.1	1716.21	0.34	1716.12
07/03/21	2.4	1711.25	0.90	1711.81	0.71	1710.18	0.95	1715.25	1.5	1713.95	1.1	1714.93	1.1	1715.78	0.39	1715.41
07/04/21	2.2	1714.03	0.88	1711.48	0.78	1710.51	0.95	1715.10	1.3	1711.90	1.2	1716.29	1.1	1716.61	0.41	1715.37
07/05/21	2.2	1714.22	0.87	1711.59	0.77	1710.56	0.92	1714.96	1.4	1711.76	1.1	1716.03	1.1	1716.49	0.40	1715.33
07/06/21	2.2	1714.43	0.84	1712.11	0.78	1710.37	0.90	1714.92	1.4	1712.72	1.2	1716.20	1.1	1716.56	0.40	1713.67
07/07/21	2.2	1713.93	0.84	1710.76	0.78	1710.12	0.98	1714.12	1.3	1713.22	1.2	1715.95	1.2	1715.01	0.42	1714.52
07/08/21	2.3	1712.33	0.85	1710.56	0.72	1710.07	0.95	1714.72	1.4	1713.22	0.86	1714.65	1.2	1715.21	0.42	1714.12
07/09/21	2.3	1713.03	0.84	1710.86	0.85	1710.52	0.97	1714.02	1.0	1712.82	0.89	1715.05	1.2	1715.31	0.41	1713.82
07/10/21	2.3	1712.91	0.86	1710.74	0.80	1710.26	0.98	1713.43	1.6	1712.78	0.99	1714.62	1.2	1713.79	0.42	1713.00
07/11/21	2.2	1713.45	0.82	1711.84	0.78	1710.59	0.96	1716.05	1.3	1714.91	0.90	1720.67	1.2	1716.77	0.47	1713.79
07/12/21	2.2	1713.18	0.84	1710.96	0.78	1710.27	0.97	1713.62	1.3	1713.42	1.0	1717.35	1.2	1714.51	0.43	1713.67
07/13/21 ²	2.3	1711.93	0.85	1710.16	0.80	1710.22	0.94	1715.47	1.3	1713.12	0.95	1716.55	1.2	1714.91	0.41	1714.02
07/14/21	2.3	1711.53	0.84	1711.76	0.78	1709.71	0.07	1717.12	1.3	1713.42	0.21	1715.55	1.2	1716.56	0.41	1713.72
07/15/21	2.3	1712.78	0.8	1711.36	0.79	1710.62	0.75	1716.22	1.3	1714.22	1.3	1715.05	1.1	1716.31	0.37	1714.82
07/16/21	2.3	1712.93	0.82	1710.71	0.73	1709.50	0.81	1715.80	1.3	1713.19	1.3	1714.79	1.2	1715.35	0.41	1715.15
07/17/21	2.3	1712.98	0.84	1711.15	0.76	1709.79	0.80	1716.04	1.3	1713.86	1.3	1714.90	1.2	1716.18	0.38	1714.31
07/18/21 ²	2.3	1713.33	0.84	1711.97	0.74	1712.58	0.77	1717.11	1.3	1714.49	1.3	1715.10	1.2	1716.53	0.36	1715.14
07/19/21 ²	1.1	1712.43	0.46	1710.26	0.33	1711.12	0.28	1716.02	0.66	1716.62	0.57	1716.05	0.56	1717.13	0.12	1715.62
07/20/21	1.3	1712.41	0.74	1710.06	0.54	1713.42	0.17	1714.92	0.31	1714.12	0.16	1716.22	0.27	1716.53	0.00	1721.32
07/21/21	2.3	1715.87	1.00	1711.36	0.73	1715.12	0.89	1716.17	1.3	1715.22	0.88	1718.75	1.1	1718.91	0.57	1713.31
07/22/21	2.3	1714.43	0.99	1710.26	0.85	1709.82	0.83	1715.12	1.2	1714.82	0.98	1716.84	1.3	1713.90	0.46	1711.92
07/23/21 ²	2.4	1712.62	0.94	1711.13	0.80	1710.87	0.78	1715.67	1.2	1714.22	0.73	1721.25	1.1	1718.01	0.40	1714.02
07/24/21	2.5	1712.68	0.92	1711.01	0.81	1710.77	0.83	1715.01	1.2	1714.11	1.1	1715.74	1.3	1717.81	0.38	1714.37
07/25/21	2.4	1713.60	0.91	1711.50	0.80	1710.70	0.85	1715.56	1.2	1714.29	1.1	1716.23	1.3	1717.70	0.41	1714.42
07/26/21 ²	2.5	1712.83	0.94	1711.13	0.82	1712.89	0.62	1718.41	0.84	1714.94	0.73	1719.54	0.93	1716.60	0.22	1718.02
07/27/21	2.4	1712.03	0.91	1710.75	0.80	1712.51	1.0	1715.87	1.2	1717.40	1.7	1718.55	1.3	1717.19	0.39	1715.97
07/28/21	2.5	1712.43	0.92	1711.41	0.81	1713.67	1.1	1715.07	1.1	1716.82	0.49	1716.50	1.3	1714.36	0.34	1715.52
07/29/21	2.5	1712.15	0.92	1711.90	0.82	1711.12	1.0	1714.57	1.1	1713.12	1.1	1717.96	1.4	1714.26	0.48	1714.12
07/30/21	2.4	1713.08	0.92	1710.76	0.82	1710.21	1.0	1712.52	1.2	1716.82	1.2	1718.05	1.4	1715.51	0.41	1715.22
07/31/21	2.4	1713.00	0.92	1710.85	0.81	1710.81	1.2	1713.56	1.1	1716.49	1.4	1716.73	1.3	1715.99	0.42	1715.60
Monthly Average	2.2	1712.98	0.86	1711.16	0.77	1710.95	0.84	1715.20	1.2	1714.14	1.0	1716.54	1.1	1716.07	0.38	1714.86
Analytical ¹	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	Conc ³ (mg/L)	Date
Perchlorate	520	7/13/2021	980	7/13/2021	390	7/13/2021	82	7/13/2021	430	7/13/2021	900	7/13/2021	920	7/13/2021	1,200	7/13/2021
Hexavalent Chromium	0.078	7/13/2021	0.48	7/13/2021	0.69	7/13/2021	0.027	7/13/2021	0.029	7/13/2021	0.081	7/13/2021	0.083	7/13/2021	0.23	7/13/2021
Total Chromium	0.097	7/13/2021	0.47	7/13/2021	0.68	7/13/2021	0.16	7/13/2021	0.035	7/13/2021	0.12	7/13/2021	0.084	7/13/2021	0.24	7/13/2021

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 07/01, 07/13, 07/18, 07/19, 07/23, and 07/26, AP wells offline briefly for maintenance.
 3: On 07/28, E2-3 adjusted to meet flow targets as directed by the Trust.
 4: 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

