

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																			
Date	LS #1 Flow ³ (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 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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation ⁶ (ft amsl)
08/01/21	1199	163	1537.33	96	1540.00	131	1543.74	108	1536.67	71	1547.68	102	1549.12	50	1550.19	20	1551.35	10	1522.21
08/02/21	1197	163	1537.38	96	1540.09	130	1543.71	108	1536.69	71	1547.67	102	1549.11	50	1550.17	20	1551.34	10	1522.12
08/03/21	713	159	1538.84	94	1541.29	127	1544.37	105	1538.41	70	1548.12	100	1549.48	49	1550.49	20	1551.54	10	1524.41
08/04/21	472	163	1537.43	96	1540.18	131	1543.57	108	1536.73	71	1547.64	102	1549.09	50	1550.15	20	1551.32	10	< 1520.00
08/05/21	472	163	1537.35	96	1540.20	131	1543.49	108	1536.67	71	1547.61	102	1549.05	50	1550.12	20	1551.29	10	< 1520.00
08/06/21	475	163	1537.28	96	1540.21	131	1543.47	108	1536.62	71	1547.57	102	1549.01	50	1550.08	20	1551.25	10	< 1520.00
08/07/21	474	163	1537.25	95	1540.30	131	1543.47	108	1536.59	71	1547.54	102	1548.99	50	1550.05	20	1551.22	10	< 1520.00
08/08/21	474	163	1537.21	95	1542.61	131	1543.41	108	1536.56	71	1547.52	102	1548.96	50	1550.03	20	1551.20	10	< 1520.00
08/09/21	480	163	1537.18	95	1540.70	131	1543.44	108	1536.54	71	1547.51	102	1548.95	50	1550.01	20	1551.18	10	< 1520.00
08/10/21 ²	484	159	1537.44	93	1540.78	128	1543.61	105	1536.82	70	1547.56	101	1548.99	50	1550.04	20	1551.19	10	< 1520.00
08/11/21	468	162	1537.26	94	1540.71	130	1543.53	107	1536.60	71	1547.46	102	1548.91	50	1549.97	20	1551.14	10	< 1520.00
08/12/21	469	163	1537.17	95	1540.79	130	1543.48	108	1536.51	71	1547.42	102	1548.88	50	1549.94	20	1551.10	10	< 1520.00
08/13/21	462	163	1537.11	94	1540.87	130	1543.50	108	1536.47	71	1547.39	102	1548.85	50	1549.91	20	1551.08	10	< 1520.00
08/14/21	452	163	1537.07	94	1540.97	130	1543.49	108	1536.43	71	1547.37	102	1548.83	50	1549.89	20	1551.05	10	< 1520.00
08/15/21	452	163	1537.03	94	1541.06	130	1543.37	108	1536.40	71	1547.35	102	1548.81	50	1549.87	20	1551.03	10	< 1520.00
08/16/21	453	163	1536.99	94	1540.84	130	1543.22	108	1536.37	71	1547.33	102	1548.79	50	1549.84	20	1551.01	10	< 1520.00
08/17/21	465	162	1536.94	94	1540.35	130	1543.17	108	1536.34	71	1547.30	102	1548.76	50	1549.82	20	1550.98	10	< 1520.00
08/18/21	458	162	1536.91	94	1540.39	130	1543.17	108	1536.31	71	1547.27	102	1548.73	50	1549.79	20	1550.96	10	< 1520.00
08/19/21	457	162	1536.89	94	1540.43	130	1543.27	108	1536.28	71	1547.24	102	1548.71	50	1549.76	20	1550.93	10	< 1520.00
08/20/21	456	162	1536.87	94	1540.46	130	1543.24	108	1536.26	71	1547.22	102	1548.69	50	1549.75	20	1550.91	10	< 1520.00
08/21/21	454	162	1536.84	93	1540.48	130	1543.16	108	1536.24	71	1547.21	102	1548.68	50	1549.73	20	1550.89	10.0	< 1520.00
08/22/21	463	162	1536.94	93	1540.57	130	1543.17	108	1536.21	71	1547.18	102	1548.65	50	1549.71	20	1550.87	10.0	< 1520.00
08/23/21	455	162	1536.88	93	1540.59	130	1543.19	108	1536.18	71	1547.16	102	1548.63	50	1549.69	20	1550.85	10.0	< 1520.00
08/24/21	462	162	1536.83	93	1540.63	130	1543.24	108	1536.15	71	1547.13	102	1548.61	50	1549.66	20	1550.82	10.0	< 1520.00
08/25/21	462	162	1536.80	93	1540.66	130	1543.23	108	1536.12	71	1547.11	102	1548.59	50	1549.64	20	1550.80	10.0	< 1520.00
08/26/21	467	162	1536.76	93	1540.67	130	1543.16	108	1536.10	71	1547.09	102	1548.57	50	1549.62	20	1550.78	9.9	< 1520.00
08/27/21	466	162	1536.73	93	1540.70	130	1543.10	107	1536.08	71	1547.07	102	1548.55	50	1549.60	20	1550.76	9.9	< 1520.00
08/28/21	459	162	1536.70	93	1540.72	130	1543.11	107	1536.05	71	1547.04	102	1548.53	50	1549.58	20	1550.74	9.9	< 1520.00
08/29/21	455	162	1536.68	92	1540.74	130	1543.11	107	1536.03	71	1547.02	102	1548.51	50	1549.56	20	1550.72	9.9	< 1520.00
08/30/21	432	162	1536.65	92	1540.75	130	1543.07	107	1536.00	70	1547.04	102	1548.50	50	1549.55	20	1550.71	9.8	< 1520.00
08/31/21	400	162	1536.64	92	1540.76	130	1543.04	108	1535.98	68	1547.06	102	1548.49	50	1549.54	20	1550.69	9.8	< 1520.00
Monthly Average	516	162	1537.08	94	1540.66	130	1543.37	108	1536.43	71	1547.35	102	1548.81	50	1549.86	20	1551.02	10.1	1520.28
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	Conc (mg/L)	Date	
Perchlorate	19	8/12/2021	17.0	8/12/2021	6.1	8/12/2021	12.0	8/12/2021	14.0	8/12/2021	0.190	8/12/2021	0.0032	8/12/2021	ND	8/12/2021	1.0	8/12/2021	
Hexavalent Chromium	0.0035	8/12/2021	ND	8/12/2021	ND	8/12/2021	0.0047	8/12/2021	0.0038	8/12/2021	ND	8/12/2021	ND	8/12/2021	ND	8/12/2021	ND	8/12/2021	
Total Chromium	0.0023 J	8/12/2021	ND	8/12/2021	ND	8/12/2021	0.0035 J	8/12/2021	0.0033 J	8/12/2021	ND	8/12/2021	ND	8/12/2021	ND	8/12/2021	ND	8/12/2021	

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 08/10, SWF offline briefly due to maintenance.
 3: On 08/03, and 08/10 LS #1 offline intermittently due to maintenance
 4: From 08/09 to 08/16, PC-99R transducer was down; flow was averaged during this period.
 5: On 08/30, PC-118 flow switched to IX system
 6: 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.
 7: Duplicates taken on 08/12 for well PC-121; 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 ^{4,5} (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ^{8,9} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ¹⁰ (gpm)	Water Elevation (ft amsl)	Flow ¹¹ (gpm)	Water Elevation (ft amsl)
08/01/21	400	42	1584.65	141	1584.48	24	1583.11	4.1	1578.84	55	1577.49	19	1584.63	171	1583.88	1.5	1579.17
08/02/21	401	42	1584.66	141	1584.50	24	1583.13	4.1	1578.84	55	1577.54	19	1584.60	171	1583.89	1.5	1579.18
08/03/21 ¹	385	38	1582.45	135	1584.63	21	1580.66	3.9	1580.51	53	1578.02	19	1584.39	171	1583.88	1.5	1579.46
08/04/21	398	39	1582.92	141	1584.66	22	1581.25	4.1	1581.52	55	1577.79	20	1584.30	171	1584.03	1.5	1579.22
08/05/21	402	42	1584.71	141	1584.60	24	1583.19	4.1	1581.49	55	1577.71	19	1584.48	171	1583.97	1.5	1579.22
08/06/21	402	42	1584.73	141	1584.60	24	1583.19	4.0	1583.40	55	1577.68	19	1584.50	171	1583.98	1.5	1579.23
08/07/21	401	42	1584.75	141	1584.61	24	1583.20	4.0	1583.42	55	1577.70	19	1584.53	171	1583.99	1.5	1579.24
08/08/21 ¹	392	38	1582.57	135	1584.74	23	1583.28	3.9	1583.45	54	1578.09	19	1584.30	171	1584.04	1.5	1579.50
08/09/21	385	28	1577.55	140	1584.83	18	1577.38	4.1	1583.50	55	1577.84	20	1584.34	170	1584.18	1.5	1579.28
08/10/21 ¹	385	28	1577.66	139	1584.92	19	1578.37	4.2	1581.76	55	1577.94	19	1584.63	171	1584.24	1.5	1579.39
08/11/21	394	28	1577.56	141	1584.88	24	1583.36	4.2	1581.58	55	1577.78	20	1584.66	171	1584.17	1.5	1579.28
08/12/21	393	27	1577.60	140	1584.90	24	1583.34	4.3	1580.55	55	1577.73	20	1584.64	170	1584.19	1.5	1579.30
08/13/21	394	27	1577.59	141	1584.91	24	1583.36	4.3	1578.82	55	1577.71	19	1584.70	170	1584.19	1.5	1579.27
08/14/21	377	27	1577.57	125	1585.07	23	1581.86	4.2	1579.82	54	1577.97	19	1584.73	170	1584.27	1.5	1579.47
08/15/21	362	28	1577.56	113	1585.43	17	< 1575.00	4.3	1583.70	55	1577.84	20	1584.62	171	1584.61	1.5	1579.33
08/16/21	389	27	1577.68	139	1585.21	23	1582.00	4.2	1583.73	55	1577.76	20	1584.05	168	1584.46	1.5	1579.43
08/17/21	394	27	1577.57	140	1585.09	25	1583.52	4.2	1583.68	55	1577.69	19	1583.74	171	1584.33	1.5	1579.33
08/18/21 ¹	384	27	1577.81	136	1585.20	24	1583.60	4.3	1580.72	54	1578.02	19	1584.28	166	1584.43	1.5	1579.47
08/19/21	400	36	1581.76	140	1585.06	25	1583.51	4.5	1578.82	55	1577.73	19	1584.69	171	1584.32	1.5	1579.31
08/20/21	403	42	1585.00	140	1584.95	25	1583.45	4.4	1578.83	55	1577.69	19	1584.66	171	1584.24	1.5	1579.30
08/21/21	402	42	1584.98	139	1584.93	24	1583.35	4.3	1578.86	55	1577.68	19	1584.58	170	1584.22	1.5	1579.33
08/22/21 ¹	402	42	1584.88	139	1584.93	24	1583.25	4.4	1578.93	55	1577.65	19	1584.62	170	1584.21	1.5	1579.40
08/23/21	403	42	1584.96	140	1584.88	24	1583.39	4.3	1578.83	55	1577.64	19	1584.65	170	1584.18	1.5	1579.28
08/24/21	402	42	1584.95	140	1584.86	24	1583.37	4.3	1578.83	55	1577.62	19	1584.71	170	1584.17	1.5	1579.27
08/25/21	403	42	1584.95	140	1584.85	24	1583.37	4.3	1578.83	55	1577.64	19	1584.72	170	1584.16	1.5	1579.26
08/26/21	402	42	1584.95	140	1584.84	24	1583.36	4.3	1578.83	55	1577.62	19	1584.65	170	1584.15	1.5	1579.26
08/27/21	402	42	1584.94	140	1584.83	24	1583.36	4.3	1578.83	55	1577.61	19	1584.57	170	1584.15	1.5	1579.25
08/28/21	402	42	1584.94	140	1584.82	24	1583.35	4.3	1578.83	55	1577.61	19	1584.59	170	1584.14	1.5	1579.24
08/29/21	402	42	1584.94	140	1584.81	24	1583.34	4.3	1578.83	55	1577.61	19	1584.60	170	1584.14	1.5	1579.24
08/30/21	402	42	1584.93	140	1584.81	24	1583.34	4.3	1578.83	55	1577.66	19	1584.56	170	1584.13	1.5	1579.23
08/31/21	402	42	1584.92	140	1584.80	24	1583.33	4.3	1578.83	55	1577.63	19	1584.53	170	1584.13	1.5	1579.22
Monthly Average	396	37	1582.22	138	1584.86	23	1582.47	4.2	1580.46	55	1577.73	19	1584.52	170	1584.17	1.5	1579.30
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 ¹² (mg/L)	Date
Perchlorate		31	8/12/2021	9.8	8/12/2021	200	8/12/2021	140	8/12/2021	170	8/12/2021	85	8/12/2021	72	8/12/2021	49	8/12/2021
Hexavalent Chromium		ND	8/12/2021	ND	8/12/2021	0.34	8/12/2021	0.13	8/12/2021	0.56	8/12/2021	0.45	8/12/2021	0.066	8/12/2021	0.020	8/12/2021
Total Chromium		ND	8/12/2021	ND	8/12/2021	0.29	8/12/2021	0.13	8/12/2021	0.57	8/12/2021	0.42	8/12/2021	0.062	8/12/2021	0.040	8/12/2021

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 08/03, 08/18 and 08/22, AWF offline briefly due to maintenance
 3: On 08/08 and 08/10, All AWF wells except ART-8A offline briefly due to maintenance
 4: From 08/03 to 08/04, ART1A switched to ART1
 5: From 08/08 to 08/19, ART1 switched to ART1A
 6: On 08/14 and 08/22, ART2 and ART2A offline briefly due to maintenance
 7: On 08/14 ad 08/22, ART3 switched briefly to ART-3A due to maintenance.
 8: On 08/03, ART4 switched to ART4A
 9: On 08/22, ART4 offline briefly due to maintenance
 10: On 08/22, ART8 offline briefly due to maintenance
 11: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 08/01-08/31 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.
 12: Duplicates taken on 08/12 for well PC-150; 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 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)	Flow ⁵ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
08/01/21	0.14	1722.03	0.96	1707.97	0.00	1719.42	0.00	1725.16	0.19	1725.64	0.33	1709.80	3.2	1708.15	1.3	1715.66	0.85	1715.88	4.3	1717.56
08/02/21	0.13	1722.24	0.95	1708.11	0.00	1719.46	0.00	1725.15	0.19	1725.15	0.36	1709.80	3.2	1708.52	1.3	1716.04	0.8	1715.96	4.3	1717.64
08/03/21	0.13	1722.91	0.95	1708.30	0.00	1719.51	0.00	1725.17	0.22	1725.05	0.42	1709.81	3.2	1708.51	1.2	1716.59	0.84	1716.04	4.3	1717.74
08/04/21	0.14	1722.31	0.95	1708.37	0.00	1719.55	0.00	1725.18	0.18	1725.19	0.43	1709.80	3.2	1708.50	1.2	1717.05	0.9	1715.96	4.3	1717.84
08/05/21	0.14	1722.42	0.96	1708.31	0.00	1719.58	0.00	1725.19	0.16	1725.28	0.42	1709.81	3.2	1708.51	1.2	1717.40	0.87	1716.06	4.3	1717.94
08/06/21	0.14	1722.52	0.97	1708.06	0.00	1719.60	0.00	1725.18	0.15	1725.33	0.43	1709.85	3.2	1708.53	1.2	1717.79	0.87	1716.17	4.3	1718.04
08/07/21	0.14	1722.49	0.99	1707.60	0.00	1719.62	0.00	1725.15	0.12	1725.45	0.43	1709.90	3.3	1708.55	1.2	1718.27	0.87	1716.30	4.3	1718.14
08/08/21	0.13	1722.53	0.99	1707.59	0.00	1719.64	0.00	1725.13	0.096	1725.54	0.45	1709.86	3.3	1708.54	1.2	1718.84	0.86	1716.42	4.3	1718.25
08/09/21	0.14	1722.54	0.99	1707.58	0.00	1719.64	0.00	1725.10	0.27	1725.03	0.45	1709.87	3.2	1708.54	1.4	1717.54	1.1	1715.14	4.3	1718.35
08/10/21	0.14	1722.57	0.86	1710.18	0.00	1719.61	0.00	1725.10	0.28	1724.98	0.43	1709.84	3.2	1708.57	1.6	1716.81	1.2	1714.41	4.3	1718.42
08/11/21	0.13	1722.68	0.74	1712.62	0.00	1719.66	0.1	1717.06	0.25	1725.08	0.44	1709.87	3.4	1708.57	1.5	1717.59	1.1	1714.61	4.3	1718.49
08/12/21	0.13	1722.78	0.73	1712.88	0.00	1719.69	0.17	1710.00	0.22	1725.17	0.42	1709.87	3.4	1708.56	1.4	1718.21	1.1	1714.82	4.3	1718.56
08/13/21	0.13	1722.80	0.74	1712.77	0.00	1719.70	0.17	1710.00	0.20	1725.24	0.37	1709.87	3.4	1708.57	1.5	1718.29	1.1	1714.94	4.3	1718.64
08/14/21	0.17	1722.57	0.75	1712.66	0.00	1719.71	0.17	1710.00	0.18	1725.30	0.37	1709.84	3.3	1708.57	1.4	1718.66	1.1	1715.10	4.3	1718.72
08/15/21	0.35	1717.51	0.75	1712.74	0.00	1719.73	0.17	1710.00	0.17	1725.37	0.38	1709.92	3.3	1708.58	1.4	1719.11	1.1	1715.23	4.3	1718.80
08/16/21	0.35	1716.28	0.77	1712.29	0.056	1718.51	0.095	1715.08	0.16	1725.39	0.42	1709.92	3.3	1708.61	1.4	1719.50	1.1	1715.31	4.3	1718.87
08/17/21	0.35	1716.54	0.75	1712.60	0.00	1719.79	0.00	1725.57	0.16	1725.41	0.46	1709.88	3.3	1708.64	1.4	1719.77	1.1	1715.48	4.3	1718.94
08/18/21	0.35	1716.71	0.75	1712.70	0.00	1719.79	0.00	1725.71	0.15	1725.44	0.46	1709.81	3.4	1708.65	1.4	1719.93	1.1	1715.64	4.3	1719.00
08/19/21 ²	0.39	1716.27	0.85	1710.91	0.00	1719.80	0.00	1725.71	1.05	1719.62	0.42	1710.80	3.5	1708.78	1.3	1720.27	1.0	1716.08	4.3	1719.10
08/20/21 ²	0.38	1716.10	0.84	1710.50	0.00	1719.83	0.00	1725.65	1.19	1719.16	0.36	1712.14	3.5	1708.65	1.3	1720.56	1.0	1716.32	4.3	1719.19
08/21/21	0.28	1717.26	1.0	1707.59	0.00	1719.81	0.00	1725.62	1.18	1719.31	0.35	1712.47	3.5	1708.54	1.3	1720.75	1.0	1716.32	4.3	1719.27
08/22/21	0.35	1722.23	1.0	1707.59	0.00	1719.80	0.00	1725.60	1.17	1719.32	0.41	1711.65	3.5	1708.54	1.3	1720.91	1.0	1716.49	4.3	1719.36
08/23/21	0.35	1720.83	1.0	1707.59	0.00	1719.78	0.00	1725.59	1.17	1719.36	0.45	1711.61	3.5	1708.58	1.3	1721.04	1.0	1716.61	4.3	1719.44
08/24/21	0.35	1717.32	1.0	1707.59	0.00	1719.77	0.00	1725.56	1.17	1719.29	0.43	1711.15	3.5	1708.62	1.3	1721.13	0.98	1716.76	4.3	1719.53
08/25/21	0.34	1716.36	1.0	1707.59	0.00	1719.79	0.00	1725.54	1.18	1719.16	0.38	1711.22	3.5	1708.64	1.3	1721.19	0.99	1716.92	4.3	1719.61
08/26/21	0.29	1715.82	1.0	1707.59	0.00	1719.79	0.00	1725.53	1.18	1719.22	0.47	1710.42	3.4	1708.62	1.3	1721.25	1.0	1717.02	4.3	1719.69
08/27/21 ²	0.28	1716.15	1.0	1707.69	0.00	1719.80	0.00	1725.50	1.11	1719.83	0.37	1713.90	3.6	1708.71	1.3	1721.31	0.96	1717.26	4.3	1719.76
08/28/21	0.29	1716.07	1.0	1707.59	0.00	1719.75	0.00	1725.48	1.12	1719.80	0.40	1713.67	3.5	1708.55	1.3	1721.32	0.98	1717.15	4.3	1719.77
08/29/21	0.29	1716.19	1.0	1707.59	0.00	1719.74	0.00	1725.47	1.13	1719.78	0.40	1712.59	3.5	1708.56	1.3	1721.35	0.98	1717.21	4.3	1719.81
08/30/21	0.29	1716.13	1.0	1707.59	0.00	1719.73	0.00	1725.47	1.13	1719.82	0.44	1712.02	3.5	1708.57	1.3	1721.38	0.97	1717.30	4.3	1719.85
08/31/21	0.29	1716.33	1.0	1707.59	0.00	1719.73	0.00	1725.47	1.13	1719.81	0.45	1711.53	3.5	1708.57	1.3	1721.40	0.96	1717.39	4.3	1719.88
Monthly Average	0.24	1719.53	0.91	1709.30	0.00	1719.65	0.030	1722.81	0.59	1722.86	0.41	1710.73	3.4	1708.57	1.3	1719.26	1.0	1716.07	4.3	1718.85
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	8/9/2021	33	8/9/2021	110	8/16/2021	200	8/11/2021	190	8/9/2021	300	8/9/2021	470	8/3/2021	550	8/3/2021	390	8/3/2021	540	8/3/2021
Hexavalent Chromium	0.48	8/9/2021	0.051	8/9/2021	0.0011	8/16/2021	2.4	8/11/2021	2.5	8/9/2021	0.27	8/9/2021	2.7	8/3/2021	4.5	8/3/2021	6.1	8/3/2021	12	8/3/2021
Total Chromium	11	8/9/2021	0.11	8/9/2021	0.022	8/16/2021	1.9	8/11/2021	1.8	8/9/2021	0.22	8/9/2021	2.7	8/3/2021	4.4	8/3/2021	5.8	8/3/2021	12	8/3/2021

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
 - 1: Analytical results are reported from Eurofins TestAmerica.
 - 2: On 08/19, 08/20, and 08/27, IWF offline intermittently due to maintenance at GWTP.
 - 3: From 08/22 to 08/25, I-AR flows averaged due to faulty transmitter.
 - 4: On 08/20, I-AA, I-G, and I-Q adjusted to meet flow targets as directed by the Trust.
 - 5: On 08/19, I-AD, I-G, I-P, I-Q, and I-U adjusted to meet flow targets as directed by the Trust.
 - 6: On 08/09, I-D, I-E, I-L, I-M, I-N, and I-R 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 ^{4,5,7} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)
08/01/21	0.19	1721.38	1.1	1720.55	3.6	1722.79	6.6	1720.64	2.2	1719.29	0.61	1719.17	2.0	1718.62	3.3	1716.88	0.78	1722.46	1.8	1722.49
08/02/21	0.19	1721.42	1.0	1720.59	3.4	1722.82	6.6	1720.78	2.2	1719.32	0.63	1719.21	2.0	1718.75	3.2	1717.11	0.76	1722.49	1.8	1722.53
08/03/21	0.19	1721.45	0.98	1720.65	3.3	1722.85	6.6	1720.90	2.2	1719.35	0.6	1719.36	2.0	1718.87	3.2	1717.27	0.73	1722.53	1.7	1722.57
08/04/21	0.18	1721.50	0.92	1720.72	3.2	1722.88	6.6	1721.02	2.2	1719.39	0.62	1719.54	2.0	1719.00	3.2	1717.54	0.68	1722.57	1.7	1722.62
08/05/21	0.18	1721.54	0.88	1720.76	3.2	1722.91	6.6	1721.19	2.2	1719.42	0.62	1719.67	2.0	1719.13	3.1	1717.82	0.64	1722.60	1.7	1722.67
08/06/21	0.18	1721.57	0.91	1720.76	3.1	1722.94	6.6	1721.37	2.1	1719.45	0.64	1719.69	2.0	1719.25	3.1	1717.95	0.60	1722.64	1.6	1722.71
08/07/21	0.18	1721.61	1.0	1720.79	3.3	1722.96	6.6	1721.49	2.1	1719.47	0.63	1719.81	1.9	1719.37	3.2	1718.06	0.73	1722.67	1.6	1722.74
08/08/21	0.18	1721.65	1.00	1720.86	3.3	1722.99	6.6	1721.60	2.1	1719.50	0.62	1719.92	1.9	1719.48	3.1	1718.19	0.74	1722.71	1.6	1722.77
08/09/21	0.22	1721.60	0.95	1720.92	3.2	1723.01	6.6	1721.73	2.1	1719.51	0.95	1717.50	2.0	1719.45	3.2	1718.19	0.71	1722.73	1.6	1722.80
08/10/21	0.25	1721.57	0.92	1720.97	3.2	1723.03	6.6	1721.86	2.1	1719.52	1.1	1715.82	2.1	1719.39	3.4	1718.14	0.71	1722.76	1.7	1722.81
08/11/21	0.24	1721.61	1.0	1721.01	3.3	1723.05	6.6	1721.97	2.1	1719.54	1.1	1716.07	2.1	1719.44	3.4	1718.22	0.77	1722.79	1.7	1722.84
08/12/21	0.24	1721.65	1.1	1721.05	3.3	1723.06	6.6	1721.97	2.1	1719.56	1.1	1716.70	2.0	1719.51	3.3	1718.34	0.77	1722.81	1.7	1722.87
08/13/21	0.24	1721.68	1.0	1721.07	3.3	1723.05	6.6	1721.86	2.1	1719.60	1.0	1717.21	2.0	1719.59	3.1	1718.50	0.77	1722.83	1.7	1722.88
08/14/21	0.24	1721.71	1.00	1721.13	3.3	1723.06	6.6	1721.89	2.1	1719.62	0.97	1717.56	2.0	1719.65	3.1	1718.55	0.78	1722.84	1.7	1722.90
08/15/21	0.23	1721.76	0.99	1721.18	3.2	1723.08	6.6	1721.91	2.1	1719.64	0.93	1717.93	2.0	1719.72	3.1	1718.59	0.76	1722.87	1.7	1722.92
08/16/21	0.23	1721.80	0.99	1721.24	3.2	1723.10	6.6	1721.91	2.1	1719.66	0.90	1718.13	2.0	1719.78	3.1	1718.65	0.72	1722.89	1.6	1722.96
08/17/21	0.23	1721.84	0.91	1721.29	3.2	1723.11	6.6	1721.91	2.1	1719.67	0.89	1718.22	2.0	1719.88	3.1	1718.73	0.71	1722.91	1.6	1722.99
08/18/21	0.22	1721.87	0.96	1721.32	3.2	1723.12	6.6	1721.94	2.1	1719.69	0.88	1718.31	2.0	1719.99	3.0	1718.86	0.76	1722.93	1.6	1723.00
08/19/21 ²	0.18	1721.97	1.00	1721.46	3.4	1723.14	6.5	1722.28	2.0	1719.78	0.66	1719.76	1.9	1720.25	3.0	1718.92	0.77	1722.95	1.7	1722.98
08/20/21 ²	0.16	1722.05	0.99	1721.55	3.5	1723.15	6.5	1722.39	2.0	1719.83	0.49	1720.76	1.8	1720.41	2.8	1719.12	0.63	1722.97	1.8	1722.98
08/21/21	0.17	1722.10	0.99	1721.58	3.5	1723.16	6.6	1722.33	2.0	1719.82	0.47	1720.88	1.8	1720.48	2.5	1719.34	0.55	1723.00	1.8	1723.00
08/22/21	0.16	1722.14	0.96	1721.59	3.5	1723.16	6.6	1722.35	2.0	1719.80	0.49	1720.85	1.8	1720.55	2.4	1719.48	0.58	1723.01	1.8	1723.01
08/23/21	0.16	1722.18	0.97	1721.62	3.6	1723.16	6.5	1722.37	2.0	1719.81	0.49	1720.85	1.8	1720.61	2.2	1719.60	0.61	1723.01	1.8	1723.03
08/24/21	0.20	1722.15	0.99	1721.63	3.4	1723.16	6.5	1722.41	2.0	1719.81	0.49	1720.86	1.8	1720.67	2.1	1719.72	0.55	1723.02	1.8	1723.04
08/25/21	0.23	1722.12	0.96	1721.66	3.4	1723.16	6.5	1722.44	2.0	1719.83	0.49	1720.87	1.8	1720.75	2.0	1719.84	0.55	1723.03	1.8	1723.05
08/26/21	0.22	1722.16	0.91	1721.70	3.3	1723.18	6.5	1722.41	2.0	1719.83	0.50	1720.85	1.8	1720.82	2.0	1719.90	0.49	1723.05	1.8	1723.06
08/27/21 ²	0.22	1722.20	0.92	1721.82	3.4	1723.28	6.5	1722.52	1.5	1720.33	0.46	1720.95	2.0	1720.60	2.7	1719.65	0.64	1723.13	1.8	1723.12
08/28/21	0.21	1722.24	0.92	1721.94	3.3	1723.45	6.5	1722.58	1.3	1720.61	0.46	1720.91	2.1	1720.46	3.0	1719.51	0.65	1723.28	1.8	1723.23
08/29/21	0.20	1722.29	0.92	1722.03	3.2	1723.54	6.5	1722.76	1.3	1720.68	0.45	1720.94	2.1	1720.51	2.9	1719.57	0.63	1723.38	1.8	1723.32
08/30/21	0.17	1722.36	0.88	1722.14	3.2	1723.60	6.5	1722.89	1.3	1720.74	0.46	1720.90	2.1	1720.55	2.8	1719.63	0.64	1723.46	1.8	1723.38
08/31/21	0.17	1722.41	0.89	1722.20	3.3	1723.66	6.5	1722.99	1.3	1720.80	0.47	1720.87	2.1	1720.60	2.8	1719.67	0.66	1723.52	1.8	1723.44
Monthly Average	0.20	1721.86	0.96	1721.28	3.3	1723.12	6.6	1721.96	2.0	1719.77	0.68	1719.36	2.0	1719.88	2.9	1718.69	0.68	1722.90	1.7	1722.93
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	850	8/9/2021	770	8/9/2021	510	8/11/2021	230	8/11/2021	260	8/11/2021	240	8/9/2021	580	8/3/2021	490	8/3/2021	590	8/9/2021	650	8/9/2021
Hexavalent Chromium	11	8/9/2021	12	8/9/2021	5.0	8/11/2021	3.6	8/11/2021	3.2	8/11/2021	1.5	8/9/2021	5.5	8/3/2021	7.0	8/3/2021	7.5	8/9/2021	12	8/9/2021
Total Chromium	15	8/9/2021	12	8/9/2021	7.0	8/11/2021	3.8	8/11/2021	2.6	8/11/2021	1.2	8/9/2021	5.2	8/3/2021	6.7	8/3/2021	8.4	8/9/2021	11	8/9/2021

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
 - 1: Analytical results are reported from Eurofins TestAmerica.
 - 2: On 08/19, 08/20, and 08/27, IWF offline intermittently due to maintenance at GWTP.
 - 3: From 08/22 to 08/25, I-AR flows averaged due to faulty transmitter.
 - 4: On 08/20, I-AA, I-G, and I-Q adjusted to meet flow targets as directed by the Trust.
 - 5: On 08/19, I-AD, I-G, I-P, I-Q, and I-U adjusted to meet flow targets as directed by the Trust.
 - 6: On 08/09, I-D, I-E, I-L, I-M, I-N, and I-R adjusted to meet flow targets as directed by the Trust.
 - 7: On 08/26, I-G, I-M, I-N, 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-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y		I-Z	
	Flow ^{4,5,7} (gpm)	Water Elevation (ft amsl)	Flow ^{6,7} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{5,7,8} (gpm)	Water Elevation (ft amsl)	Flow 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)
08/01/21	0.15	1717.83	1.1	1718.41	2.2	1706.96	0.29	1719.15	0.64	1716.05	4.2	1721.59	0.66	1722.09	3.7	1712.29	1.5	1699.65	8.0	1715.31
08/02/21	0.15	1717.88	1.2	1718.70	2.3	1706.95	0.29	1719.21	0.66	1716.22	4.0	1721.64	0.65	1722.18	3.7	1712.61	1.5	1700.05	8.0	1715.43
08/03/21	0.14	1718.00	1.2	1718.84	2.3	1707.00	0.29	1719.25	0.60	1716.34	4.1	1721.71	0.63	1722.29	3.7	1712.89	1.5	1699.58	8.0	1715.57
08/04/21	0.20	1717.76	1.1	1718.94	2.3	1707.10	0.29	1719.29	0.53	1716.47	4.1	1721.76	0.61	1722.39	3.7	1713.11	1.5	1699.59	8.0	1715.69
08/05/21	0.26	1717.50	1.0	1719.12	2.4	1707.16	0.29	1719.35	0.51	1716.64	4.0	1721.82	0.60	1722.46	3.7	1713.30	1.5	1699.67	7.9	1715.78
08/06/21	0.25	1717.59	1.0	1719.20	2.4	1707.18	0.29	1719.41	0.49	1716.81	4.1	1721.87	0.58	1722.53	3.7	1713.49	1.5	1700.27	7.6	1715.85
08/07/21	0.24	1717.67	1.1	1719.32	2.5	1707.19	0.29	1719.48	0.53	1717.10	4.2	1721.91	0.62	1722.58	3.7	1713.67	1.6	1700.03	8.0	1715.93
08/08/21	0.24	1717.74	1.0	1719.54	2.5	1707.21	0.29	1719.53	0.56	1717.32	4.1	1721.96	0.62	1722.65	3.7	1713.86	1.6	1700.47	8.0	1716.03
08/09/21	0.23	1717.82	1.1	1718.44	2.5	1707.22	0.29	1719.60	0.58	1717.59	4.0	1722.01	0.58	1722.72	3.8	1714.03	1.5	1700.23	8.0	1716.11
08/10/21	0.23	1717.90	1.2	1717.51	2.4	1707.19	0.29	1719.66	0.58	1717.74	4.1	1722.05	0.55	1722.79	3.8	1714.13	1.5	1699.55	7.9	1716.18
08/11/21	0.22	1717.96	1.2	1717.63	2.4	1707.19	0.29	1719.71	0.51	1717.86	4.1	1722.08	0.60	1722.84	3.8	1714.24	1.5	1699.48	7.5	1716.37
08/12/21	0.22	1718.02	1.2	1717.79	2.4	1707.20	0.29	1719.72	0.51	1717.53	4.1	1722.12	0.61	1722.88	3.8	1714.36	1.5	1701.62	8.0	1715.28
08/13/21	0.22	1718.07	1.2	1717.80	2.5	1707.20	0.29	1719.74	0.58	1715.49	4.1	1722.13	0.61	1722.90	3.8	1714.48	1.5	1701.11	8.4	1714.74
08/14/21	0.22	1718.13	1.1	1718.32	2.5	1707.22	0.29	1719.79	0.60	1716.21	4.1	1722.15	0.59	1722.93	3.8	1714.61	1.5	1700.63	8.5	1714.80
08/15/21	0.22	1718.17	1.2	1718.50	2.5	1707.23	0.29	1719.84	0.57	1716.10	4.1	1722.19	0.61	1722.96	3.8	1714.73	1.5	1700.45	8.5	1714.87
08/16/21	0.23	1718.20	1.2	1718.43	2.6	1707.25	0.29	1719.89	0.59	1716.33	4.1	1722.22	0.59	1722.99	3.8	1714.84	1.5	1700.39	8.5	1714.91
08/17/21	0.22	1718.25	1.2	1718.47	2.6	1707.25	0.29	1719.93	0.62	1716.77	4.1	1722.25	0.57	1723.02	3.8	1714.93	1.5	1700.40	8.3	1714.91
08/18/21	0.22	1718.29	1.2	1718.49	2.6	1707.26	0.29	1719.97	0.67	1716.77	4.1	1722.26	0.60	1723.04	3.8	1715.03	1.5	1700.40	8.0	1714.91
08/19/21 ²	0.17	1718.56	1.0	1719.05	2.7	1707.40	0.25	1720.30	0.64	1716.71	4.2	1722.31	0.57	1723.12	3.7	1715.30	1.6	1700.09	8.4	1715.16
08/20/21 ²	0.17	1718.63	0.98	1719.83	2.8	1707.37	0.21	1720.62	0.63	1716.91	4.3	1722.33	0.55	1723.18	3.7	1715.48	1.6	1701.35	8.6	1715.24
08/21/21	0.18	1718.64	1.00	1720.13	2.9	1707.33	0.20	1720.72	0.61	1716.87	4.4	1722.34	0.55	1723.20	3.7	1715.60	1.6	1699.29	8.6	1715.18
08/22/21	0.18	1718.71	0.96	1720.11	2.9	1707.32	0.20	1720.74	0.54	1717.04	4.3	1722.35	0.54	1723.21	3.7	1715.72	1.6	1700.41	8.6	1715.13
08/23/21	0.17	1718.79	0.97	1720.11	2.9	1707.35	0.20	1720.76	0.53	1717.26	4.3	1722.35	0.56	1723.21	3.7	1715.83	1.6	1700.39	8.6	1715.12
08/24/21	0.17	1718.85	0.96	1720.06	2.9	1707.33	0.20	1720.77	0.55	1717.34	4.2	1722.36	0.57	1723.21	3.7	1715.94	1.6	1700.40	8.5	1715.09
08/25/21	0.17	1718.91	0.93	1720.10	3.0	1707.31	0.21	1720.78	0.55	1717.53	4.1	1722.37	0.57	1723.24	3.7	1716.06	1.6	1700.37	8.5	1715.13
08/26/21	0.18	1718.92	0.84	1720.27	3.0	1707.32	0.21	1720.81	0.44	1718.10	4.1	1722.39	0.55	1723.26	3.7	1716.16	1.6	1698.75	8.5	1715.19
08/27/21 ²	0.21	1718.83	1.2	1718.74	3.0	1707.43	0.18	1720.95	0.59	1717.37	1.2	1723.47	0.53	1723.34	3.7	1716.31	1.6	1699.03	8.5	1715.47
08/28/21	0.18	1718.97	1.3	1718.11	3.0	1707.33	0.17	1721.01	0.55	1717.43	0.00	1724.04	0.56	1723.48	3.7	1716.28	1.6	1699.33	8.6	1715.65
08/29/21	0.18	1719.05	1.2	1718.30	3.0	1707.33	0.17	1721.04	0.49	1717.84	0.00	1724.13	0.56	1723.58	3.7	1716.31	1.6	1700.38	8.6	1715.90
08/30/21	0.17	1719.11	1.1	1718.37	3.0	1707.33	0.18	1721.07	0.52	1718.19	0.00	1724.20	0.55	1723.66	3.7	1716.34	1.6	1700.40	8.6	1716.10
08/31/21	0.17	1719.17	1.1	1718.85	3.0	1707.33	0.18	1721.11	0.50	1718.55	0.00	1724.26	0.57	1723.73	3.7	1716.38	1.6	1700.36	8.6	1716.27
Monthly Average	0.20	1718.32	1.1	1718.89	2.6	1707.24	0.25	1720.10	0.56	1717.02	3.5	1722.41	0.58	1722.96	3.7	1714.78	1.6	1700.13	8.3	1715.46
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	670	8/9/2021	640	8/9/2021	340	8/9/2021	820	8/9/2021	850	8/9/2021	590	8/11/2021	640	8/9/2021	630	8/3/2021	405	8/9/2021	250	8/11/2021
Hexavalent Chromium	16	8/9/2021	0.96	8/9/2021	1.5	8/9/2021	13	8/9/2021	15	8/9/2021	16	8/11/2021	9.6	8/9/2021	9.5	8/3/2021	1.7	8/9/2021	4.2	8/11/2021
Total Chromium	14	8/9/2021	1.1	8/9/2021	1.6	8/9/2021	15	8/9/2021	15	8/9/2021	6.8	8/11/2021	9.5	8/9/2021	9.3	8/3/2021	1.3	8/9/2021	5.9	8/11/2021

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
 - 1: Analytical results are reported from Eurofins TestAmerica.
 - 2: On 08/19, 08/20, and 08/27, IWF offline intermittently due to maintenance at GWTP.
 - 3: From 08/22 to 08/25, I-AR flows averaged due to faulty transmitter.
 - 4: On 08/20, I-AA, I-G, and I-Q adjusted to meet flow targets as directed by the Trust.
 - 5: On 08/19, I-AD, I-E, I-P, I-Q, and I-U adjusted to meet flow targets as directed by the Trust.
 - 6: On 08/09, I-D, I-E, I-L, I-M, I-N, and I-R adjusted to meet flow targets as directed by the Trust.
 - 7: On 08/26, I-G, I-M, I-N, I-Q, I-R, and I-U adjusted to meet flow targets as directed by the Trust.
 - 8: On 08/12, I-U adjusted to meet flow targets as directed by the Trust.
 - 9: From 08/27 to 09/01, I-V offline due to maintenance.
 - 10: Duplicates taken on 08/09 for well I-Y; 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)
08/01/21	944	70				0.00				1,079		54				
08/02/21	948	61				0.00				1,056		54				
08/03/21	909	64				0.00				1,153		54		8.0	0.016	0.018
08/04/21	941	62	0.240	ND	450	0.00				1,012		52				
08/05/21	945	58				0.00				1,048		52				
08/06/21	949	58				0.00				1,116		54				
08/07/21	943	57				0.00				1,009	62.0	55				
08/08/21	933	56				0.00				1,072		52				
08/09/21	923	57				0.00				1,157		52		5.8	0.018	0.038
08/10/21	922	57				0.00				1,107		55				
08/11/21	932	57	0.230	ND	470	0.00				1,083		58				
08/12/21	935	58				0.00				1,076		56	120			
08/13/21	934	57				0.00				1,022		55				
08/14/21	919	57				0.00				1,117	55	55				
08/15/21	902	57				0.00				1,013		51				
08/16/21	929	58				7.3	0.09	0.03	58	1,105		52				
08/17/21	942	57				0.00				1,073		51		9.4	0.010	0.011
08/18/21	924	57	0.180	ND	420	0.00				1,001		55				
08/19/21	939	57				0.00				998		55				
08/20/21	942	56				0.00				1,008		53				
08/21/21	934	57				0.00				1,040	67	53				
08/22/21	957	57				0.00				1,054		50				
08/23/21	941	56				0.00				1,054		51		8.8	0.031	0.035
08/24/21	946	56				0.00				1,088		47				
08/25/21	940	57	0.22	ND	480	0.00				1,105		50				
08/26/21	947	57				0.00				1,109		55				
08/27/21	948	55				0.00				1,031		55				
08/28/21	939	55				0.00				1,031	65	54				
08/29/21	939	55				0.00				1,043		47				
08/30/21	909	55				0.00				1,050		49		11	0.018	0.014
08/31/21	870	55				0.00				1,042		49				
Monthly Average ²	933	58	0.22	ND	457	0.24	0.088	0.0260	58	1,063	62	53	120	8.6	0.020	0.025

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.

Table 4 - Treatment Plant Operational Metrics

Date	1st Stage FBR ³			2nd Stage FBR ³			FBR Plant Effluent							
	Flow ³ (gpm)	pH (s.u.)	ORP (mV)	Flow ³ (gpm)	pH (s.u.)	ORP (mV)	Flow ⁴ (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)
08/01/21	1,117	6.4	-358	975	6.4	-376	1,059		0.0					20
08/02/21	1,039	6.3	-343	957	6.3	-369	1,086		0.0					17
08/03/21	1,019	6.3	-319	806	6.3	-373	1,007		0.0					20
08/04/21	1,027	6.3	-349	879	6.3	-383	1,027		0.0					26
08/05/21	1,051	6.3	-225	918	6.3	-360	1,047		0.0					26
08/06/21	1,006	6.4	-281	973	6.4	-383	1,054		0.0					29
08/07/21	1,055	6.3	-284	875	6.3	-387	1,061	ND	0.0					39
08/08/21	995	6.3	-370	971	6.4	-396	1,062		0.0					30
08/09/21	1,040	6.3	-275	942	6.3	-392	1,047		0.0					35
08/10/21	1,084	6.4	-337	761	6.4	-398	1,041		0.0					35
08/11/21	1,094	6.3	-364	922	6.4	-397	855		0.0	ND				44
08/12/21	1,052	6.3	-251	988	6.4	-374	1,052		0.0					10
08/13/21	1,046	6.3	-333	971	6.4	-395	1,054		0.0					13
08/14/21	1,043	6.4	-386	702	6.4	-398	811	ND	0.0					23
08/15/21	1,036	6.4	-388	887	6.4	-399	1,042		0.0					17
08/16/21	1,210	6.4	-387	917	6.4	-402	1,073		0.0					22
08/17/21	1,024	6.4	-358	837	6.4	-404	811		0.0					30
08/18/21	1,042	6.4	-396	937	6.4	-405	878		0.0					31
08/19/21	1,053	6.4	-384	857	6.4	-403	841		0.0					40
08/20/21	1,035	6.4	-361	825	6.4	-404	1,053		0.0					21
08/21/21	1,045	6.4	-356	737	6.4	-405	1,053	ND	0.0					36
08/22/21	995	6.4	-404	845	6.4	-407	775		0.0					35
08/23/21	1,023	6.4	-378	868	6.4	-408	1,024		0.0					27
08/24/21	1,030	6.4	-383	947	6.4	-408	1,024		0.0					35
08/25/21	1,029	6.4	-410	910	6.4	-408	1,043		0.0					28
08/26/21	1,038	6.4	-410	952	6.4	-396	455		0.0					34
08/27/21	1,049	6.4	-410	936	6.5	-406	1,042		0.0					32
08/28/21	1,053	6.4	-410	913	6.5	-410	993	ND	0.0					28
08/29/21	1,034	6.5	-410	1,013	6.5	-409	945		0.0					38
08/30/21	1,020	6.4	-410	873	6.5	-409	1,027		0.0					18
08/31/21	986	6.5	-410	911	6.5	-409	925		0.0					38
Monthly Average ²	1,044	6.4	-359	897	6.4	-396	976	ND	ND	ND	0.0061	ND	0.030	28

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.

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: 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)
08/15/21	31.7	34.4
08/31/21	31.4	34.8

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
8/11/2021	0	0	95.4	0
8/25/2021	0	0	630.6	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:

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

B = Compound was found in the blank and sample.

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

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)		
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	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
August 2021	1,063	62	9	120	502	467

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.

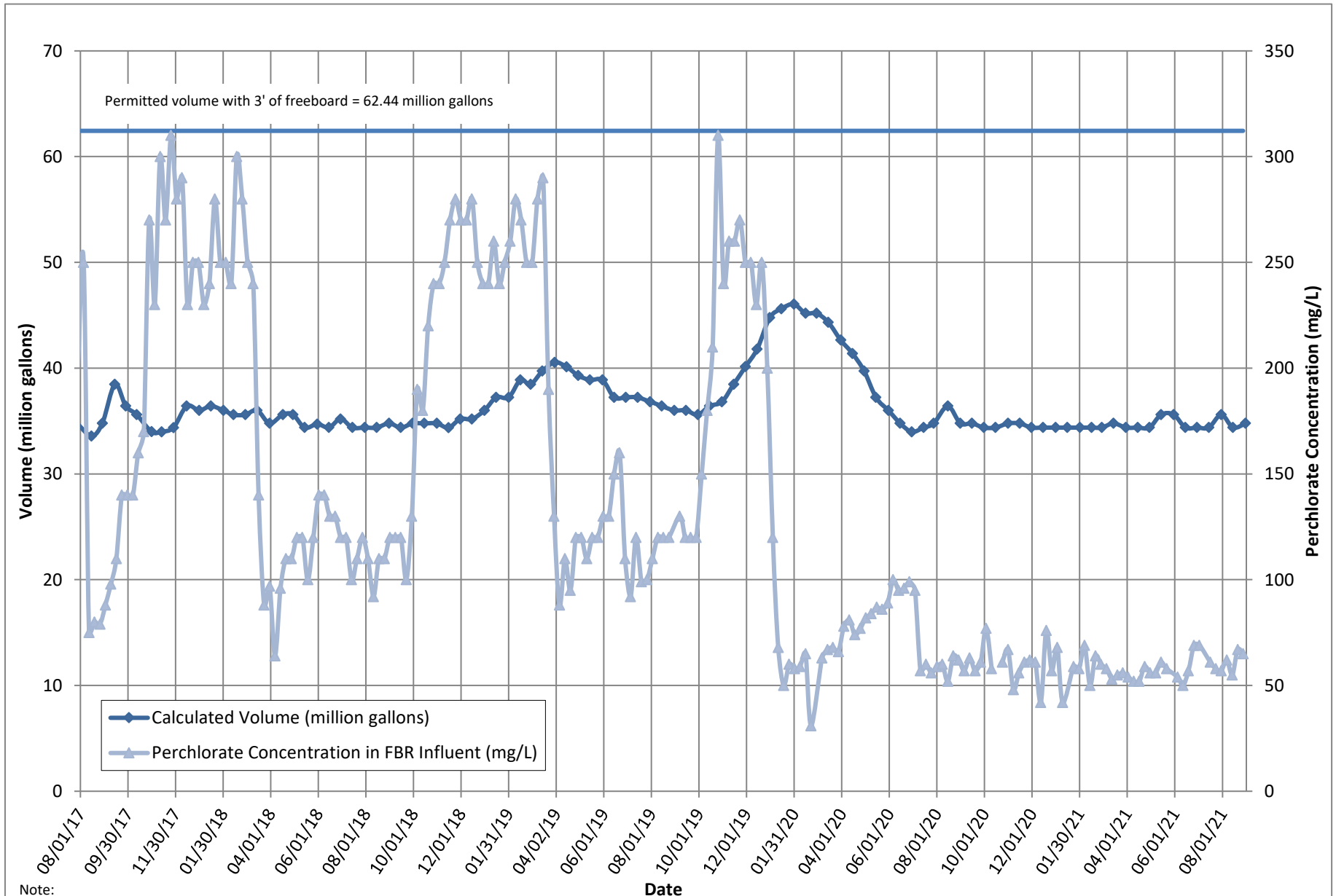
3: FBR loading calculated as $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$.

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 (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)
08/01/21	2.4	1712.43	0.92	1711.61	0.82	1710.50	1.2	1713.21	1.1	1713.35	1.4	1715.50	1.3	1716.11	0.41	1714.95
08/02/21	2.3	1715.53	0.88	1712.31	0.80	1710.22	1.2	1712.51	1.1	1716.52	1.4	1715.37	1.3	1715.79	0.41	1716.17
08/03/21	2.5	1713.26	0.94	1711.41	0.83	1710.52	1.3	1712.82	1.2	1715.10	1.4	1714.88	1.4	1715.90	0.44	1715.77
08/04/21	2.3	1716.28	0.90	1713.48	0.79	1714.30	1.2	1712.54	1.1	1717.52	1.3	1717.99	1.3	1716.29	0.38	1717.73
08/05/21	2.5	1715.21	0.92	1712.74	0.82	1716.47	1.4	1713.01	1.2	1719.31	1.4	1718.73	1.4	1716.70	0.40	1717.98
08/06/21	2.6	1714.28	0.69	1716.24	0.93	1712.70	1.1	1713.13	1.6	1714.51	1.6	1714.77	1.4	1716.86	0.39	1718.04
08/07/21	2.5	1714.33	0.89	1714.27	0.91	1712.76	1.2	1714.21	1.5	1714.00	1.5	1716.44	1.3	1717.93	0.40	1719.20
08/08/21	2.5	1714.05	0.91	1713.68	0.91	1713.37	1.2	1712.77	1.5	1714.77	1.5	1716.84	1.3	1717.73	0.80	1715.44
08/09/21	2.5	1712.10	0.91	1712.46	0.93	1712.10	1.2	1712.82	1.5	1713.37	1.5	1715.34	1.3	1718.01	0.33	1714.97
08/10/21	2.5	1714.23	0.87	1712.55	0.88	1712.67	1.2	1714.57	1.5	1713.62	1.6	1717.13	1.3	1717.45	0.48	1715.20
08/11/21	2.5	1714.33	0.88	1713.46	1.2	1713.17	1.3	1713.57	1.5	1713.12	1.6	1715.07	1.3	1716.23	0.45	1716.38
08/12/21	2.6	1712.88	0.89	1712.56	0.70	1712.79	1.2	1714.10	1.4	1715.37	1.3	1718.04	1.4	1715.81	0.46	1716.12
08/13/21	2.6	1712.43	0.90	1712.06	0.84	1712.10	1.2	1714.21	1.4	1716.51	1.5	1715.42	1.4	1717.14	0.44	1714.37
08/14/21	2.6	1712.29	0.91	1711.84	0.93	1712.15	1.3	1713.62	1.3	1715.73	1.5	1714.71	1.4	1716.98	0.41	1714.86
08/15/21	2.6	1715.63	0.9	1714.45	0.92	1714.31	1.2	1715.75	1.3	1718.16	1.2	1721.81	1.3	1718.90	0.37	1721.28
08/16/21	2.6	1713.18	1.1	1710.06	0.95	1710.00	1.2	1713.57	1.3	1715.12	1.3	1718.05	1.5	1713.70	0.55	1713.26
08/17/21	2.6	1713.48	1.1	1710.13	0.96	1710.41	1.2	1715.24	1.3	1715.57	1.4	1717.50	1.5	1714.92	0.38	1718.02
08/18/21	2.6	1714.35	0.95	1712.71	0.95	1711.47	1.2	1713.84	1.2	1717.52	1.4	1718.85	1.4	1716.84	0.44	1716.51
08/19/21	2.3	1718.78	0.96	1711.86	0.95	1710.31	1.2	1713.66	1.3	1716.67	1.4	1717.15	1.2	1716.01	0.46	1716.02
08/20/21	2.3	1712.73	0.96	1711.60	0.95	1710.80	1.2	1714.94	1.4	1715.71	1.4	1716.85	1.4	1715.66	0.44	1715.68
08/21/21 ²	2.4	1713.11	1.00	1711.84	0.96	1711.85	1.2	1713.75	1.5	1715.45	0.65	1717.81	1.3	1715.62	0.35	1716.74
08/22/21	2.3	1718.98	0.97	1713.62	0.94	1711.62	1.3	1715.15	1.4	1717.12	0.92	1723.23	1.4	1718.82	0.48	1716.80
08/23/21	2.5	1716.43	1.1	1710.26	0.93	1711.22	1.2	1714.70	1.4	1715.87	1.4	1718.27	1.5	1715.76	0.45	1716.68
08/24/21 ²	2.8	1711.51	1.1	1709.75	0.95	1710.16	0.07	1716.97	0.18	1714.91	0.21	1716.72	0.21	1717.11	0.07	1717.62
08/25/21	2.6	1714.33	0.95	1712.55	0.93	1710.51	1.2	1715.49	1.2	1716.50	1.0	1719.75	1.2	1720.11	0.44	1717.02
08/26/21	2.6	1714.32	1.00	1711.83	0.93	1710.65	1.2	1714.50	1.3	1717.02	1.1	1719.55	1.4	1716.40	0.47	1716.57
08/27/21	2.5	1714.43	0.96	1711.68	0.94	1711.47	1.2	1714.40	1.2	1717.42	1.3	1717.95	1.4	1716.56	0.50	1716.27
08/28/21	2.7	1714.36	1.1	1711.62	1.1	1711.40	1.4	1714.45	1.6	1715.85	1.8	1715.68	1.5	1715.78	0.58	1716.02
08/29/21 ²	2.7	1715.85	0.82	1713.39	0.80	1712.70	0.77	1715.82	0.84	1718.56	0.84	1720.49	0.81	1719.49	0.28	1719.68
08/30/21	2.6	1712.14	0.95	1712.55	0.89	1711.71	1.2	1717.24	1.3	1716.37	1.5	1715.54	1.5	1714.29	0.61	1709.50
08/31/21 ²	2.8	1712.05	1.0	1714.16	0.86	1713.02	0.91	1715.00	1.0	1715.24	0.87	1717.75	1.2	1714.51	0.30	1712.62
Monthly Average	2.5	1714.17	0.95	1712.41	0.91	1711.92	1.2	1714.24	1.3	1715.87	1.3	1717.39	1.3	1716.63	0.43	1716.24
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	560	8/11/2021	990	8/11/2021	400	8/11/2021	98	8/11/2021	380	8/11/2021	1,600	8/11/2021	1,400	8/11/2021	1,800	8/11/2021
Hexavalent Chromium	0.073	8/11/2021	0.630	8/11/2021	0.92	8/11/2021	0.024	8/11/2021	0.022	8/11/2021	0.066	8/11/2021	0.056	8/11/2021	0.19	8/11/2021
Total Chromium	0.074	8/11/2021	0.44	8/11/2021	0.65	8/11/2021	0.040	8/11/2021	0.026	8/11/2021	0.11	8/11/2021	0.068	8/11/2021	0.17	8/11/2021

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 08/21, 08/24, 08/29, and 08/31, AP wells offline briefly for maintenance.
 3: Duplicates taken on 08/11 for well E2-1; 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

