

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																											
Date	LS #1 Flow (gpm)	PC-116R (East Well)		PC-99R2/R3 (Center Well)		PC-115R (West Well)		PC-117		PC-118		PC-119		PC-120		PC-121		PC-133									
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (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)								
10/01/20	455	164	1536.23	88	1541.68	131	1542.05	109	1536.79	72	1546.39	102	1547.64	50	1548.78	20	1549.77	9.7	1526.07								
10/02/20	454	164	1536.23	89	1542.21	130	1542.05	108	1536.78	72	1546.38	102	1547.64	50	1548.78	20	1549.77	9.0	1526.07								
10/03/20	455	164	1536.23	88	1542.52	130	1542.04	109	1536.78	71	1546.37	102	1547.64	50	1548.78	20	1549.77	9.7	1526.14								
10/04/20	456	164	1536.21	88	1540.56	131	1542.04	108	1536.78	72	1546.33	103	1547.64	50	1548.78	20	1549.77	9.0	1526.12								
10/05/20 <sup>2</sup>	455	164	1536.21	88	1543.48	130	1542.07	109	1536.76	71	1546.39	102	1547.65	50	1548.79	20	1549.78	9.4	1526.13								
10/06/20	459	161	1536.20	87	1541.28	129	1542.06	108	1536.75	71	1546.39	101	1547.66	49	1548.80	20	1549.79	9.4	1526.19								
10/07/20	456	166	1536.21	89	1541.15	131	1542.06	110	1536.76	72	1546.39	103	1547.67	51	1548.82	20	1549.81	9.8	1526.22								
10/08/20	454	163	1536.22	88	1540.27	129	1542.08	108	1536.76	71	1546.41	102	1547.68	50	1548.82	20	1549.81	9.0	1526.22								
10/09/20	455	164	1536.21	88	1542.43	131	1542.08	109	1736.75	72	1546.39	103	1547.68	50	1548.82	20	1549.81	9.1	1526.31								
10/10/20	456	164	1536.22	88	1542.16	130	1542.08	109	1536.75	71	1546.39	102	1547.69	50	1548.83	20	1549.82	9.7	1526.44								
10/11/20	456	164	1536.20	88	1541.17	131	1542.07	109	1536.73	72	1546.39	102	1547.67	50	1548.81	20	1549.81	9.0	1526.18								
10/12/20 <sup>4</sup>	456	164	1536.20	88	1542.85	130	1542.07	109	1536.71	71	1546.38	102	1547.67	50	1548.82	20	1549.81	9.3	1526.19								
10/13/20	454	163	1536.21	88	1540.89	130	1542.08	108	1536.71	71	1546.37	102	1547.68	49	1548.83	20	1549.81	9.7	1526.22								
10/14/20 <sup>4</sup>	454	164	1536.19	88	1541.18	130	1542.05	109	1536.70	71	1546.35	102	1547.67	50	1548.80	20	1549.81	9.0	1526.19								
10/15/20	454	163	1536.19	88	1543.16	130	1542.06	108	1536.69	71	1546.36	102	1547.67	50	1548.81	20	1549.80	9.0	1526.19								
10/16/20	454	164	1536.16	88	1540.82	130	1542.04	109	1536.68	71	1546.38	102	1547.66	50	1548.82	20	1549.81	9.7	1526.29								
10/17/20	454	162	1536.17	88	1541.29	129	1542.06	108	1536.68	71	1546.35	102	1547.67	50	1548.82	20	1549.81	9.0	1526.30								
10/18/20	453	165	1536.18	88	1541.73	131	1542.07	110	1536.68	72	1546.36	103	1547.68	50	1548.83	20	1549.81	9.1	1526.33								
10/19/20	454	164	1536.17	88	1540.48	130	1542.06	109	1536.67	71	1546.37	102	1547.68	50	1548.83	20	1549.82	9.3	1526.35								
10/20/20	451	161	1536.16	87	1541.39	129	1542.07	107	1536.66	70	1546.37	101	1547.68	49	1548.84	20	1549.83	8.9	1526.48								
10/21/20	458	166	1536.17	90	1542.27	132	1542.09	110	1536.66	72	1546.36	104	1547.69	51	1548.85	20	1549.84	9.2	1526.39								
10/22/20	457	163	1536.15	88	1540.46	130	1542.05	109	1536.66	72	1546.37	102	1547.68	50	1548.84	20	1549.83	9.0	1526.53								
10/23/20	487	164	1536.16	88	1542.89	130	1542.11	108	1536.64	71	1546.38	102	1547.66	50	1548.84	20	1549.83	9.7	1526.45								
10/24/20	506	163	1536.17	88	1542.60	131	1542.13	108	1536.65	72	1546.36	103	1547.66	50	1548.86	20	1549.85	9.0	1526.42								
10/25/20	501	164	1536.14	89	1542.07	130	1542.08	109	1536.63	72	1546.34	102	1547.61	50	1548.83	20	1549.82	9.0	1526.43								
10/26/20 <sup>2</sup>	474	164	1536.16	88	1542.26	130	1542.09	109	1536.62	71	1546.34	102	1547.59	50	1548.84	20	1549.82	9.2	1526.22								
10/27/20	477	163	1536.17	88	1540.77	131	1542.10	108	1536.62	71	1546.36	102	1547.56	50	1548.85	20	1549.83	9.7	1526.27								
10/28/20	478	164	1536.16	88	1541.23	130	1542.09	108	1536.62	72	1546.40	102	1547.50	50	1548.85	20	1549.84	9.0	1526.30								
10/29/20	478	163	1536.16	88	1541.42	130	1542.10	109	1536.61	71	1546.40	102	1539.04	50	1548.85	20	1549.84	9.0	1526.25								
10/30/20	477	163	1536.14	88	1541.14	131	1542.08	108	1536.59	72	1546.32	102	< 1525.00	50	1548.85	20	1549.84	9.7	1526.31								
10/31/20	476	163	1536.13	88	1541.45	130	1542.06	108	1536.59	71	1546.35	102	1533.27	50	1548.84	20	1549.83	9.0	1526.29								
Monthly Average	463	164	1536.18	88	1541.65	130	1542.07	109	1543.14	71	1546.37	102	1546.18	50	1548.82	20	1549.81	9.3	1526.27								
Analytical	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date						
Perchlorate	16		10/13/2020	15		10/13/2020	12		10/13/2020	7.3		10/13/2020	2.7		10/13/2020	0.31		10/13/2020	0.012		10/13/2020	0.018		10/13/2020	1.4		10/13/2020
Hexavalent Chromium	0.0072		10/13/2020	0.00035 J		10/13/2020	ND		10/13/2020	0.0075		10/13/2020	ND		10/13/2020	ND		10/13/2020	ND		10/13/2020	ND		10/13/2020	ND		10/13/2020
Total Chromium	0.0058 J B		10/13/2020	ND		10/13/2020	ND		10/13/2020	0.0065 J B		10/13/2020	ND		10/13/2020	ND		10/13/2020	ND		10/13/2020	ND		10/13/2020	ND		10/13/2020

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.  
 B = Compound was found in the blank and sample.  
 1: Analytical results are reported from Eurofins TestAmerica.  
 2: On 10/05 and 10/26, the LS #1 and SWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 10/12, LS #1 totalizer was reset.  
 4: On 10/14, Champion Technologies updated totalizer logic that eliminated the need for weekly resets.  
 5: Duplicates taken on 10/13 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 (gpm)	ART-1/1A		ART-2/2A		ART-3/3A		ART-4/4A		ART-9		ART-7A/7B		ART-8/8A		PC-150		
		Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	
10/01/20	399	42	1584.20	153	1583.60	23	1585.09	3.5	1578.85	60	1582.97	20	1585.01	169	1583.57	1.5	1578.79	
10/02/20	398	42	1584.20	153	1583.60	22	1585.10	4.2	1578.85	59	1583.00	20	1585.03	169	1583.58	1.5	1578.78	
10/03/20	399	42	1584.21	154	1583.61	23	1585.10	3.5	1578.85	59	1583.00	19	1585.06	169	1583.58	1.5	1578.67	
10/04/20	398	42	1584.21	153	1583.61	23	1585.10	3.5	1578.85	58	1583.01	21	1585.06	168	1583.59	1.5	1578.72	
10/05/20 <sup>2</sup>	398	42	1584.21	153	1583.62	23	1585.11	3.7	1578.85	59	1583.04	20	1585.06	169	1583.59	1.5	1578.71	
10/06/20	399	42	1584.23	153	1583.63	23	1585.12	4.1	1578.85	59	1583.07	21	1585.06	170	1583.61	1.5	1578.69	
10/07/20	398	42	1584.24	153	1583.64	23	1585.13	3.7	1578.85	59	1583.07	20	1585.09	169	1583.61	1.5	1578.76	
10/08/20	398	42	1584.24	153	1583.64	23	1585.14	3.8	1578.85	59	1583.11	20	1585.12	169	1583.62	1.5	1578.70	
10/09/20	396	42	1584.25	154	1583.65	23	1585.14	3.8	1578.85	58	1583.11	20	1585.12	169	1583.63	1.5	1579.05	
10/10/20	396	41	1584.26	154	1583.66	23	1585.15	3.8	1578.85	59	1583.12	20	1585.12	171	1583.64	1.5	1579.36	
10/11/20	397	40	1584.26	150	1583.66	23	1585.15	3.8	1578.85	59	1583.11	20	1585.13	174	1583.64	1.5	1579.01	
10/12/20 <sup>2</sup>	397	42	1584.28	153	1583.68	23	1585.16	3.8	1578.85	59	1583.15	20	1585.13	170	1583.65	1.5	1579.01	
10/13/20	399	42	1584.28	153	1583.68	23	1585.17	4.2	1578.86	59	1583.18	21	1585.16	169	1583.65	1.5	1579.22	
10/14/20 <sup>3</sup>	400	41	1584.28	149	1583.69	22	1585.17	3.5	1578.86	57	1583.18	19	1585.16	164	1583.66	1.5	1578.74	
10/15/20	398	43	1584.28	158	1583.69	23	1585.17	4.2	1578.86	61	1583.21	21	1585.16	173	1583.66	1.5	1579.28	
10/16/20	397	42	1584.31	154	1583.71	23	1585.19	3.5	1578.86	59	1583.22	20	1585.16	169	1583.68	1.5	1579.27	
10/17/20	397	42	1584.32	154	1583.72	23	1585.19	4.1	1578.86	59	1583.23	20	1585.16	168	1583.69	1.5	1579.19	
10/18/20	397	42	1584.33	154	1583.74	23	1585.20	3.5	1578.86	59	1583.23	20	1585.19	168	1583.70	1.5	1579.17	
10/19/20	398	42	1584.35	153	1583.76	23	1585.22	3.8	1578.86	59	1583.26	20	1585.22	169	1583.72	1.5	1579.20	
10/20/20	400	42	1584.38	153	1583.78	23	1585.23	4.1	1578.85	59	1583.26	20	1585.22	169	1583.74	1.5	1579.08	
10/21/20	400	42	1584.40	154	1583.80	23	1585.25	3.5	1578.85	59	1583.29	20	1585.22	169	1583.76	1.5	1579.14	
10/22/20	400	42	1584.42	153	1583.81	23	1585.26	4.2	1578.85	59	1583.26	20	1585.24	169	1583.77	1.5	1579.20	
10/23/20	398	42	1584.44	153	1583.83	23	1585.27	4.2	1578.85	59	1583.29	21	1585.24	169	1583.79	1.5	1579.31	
10/24/20	397	42	1584.46	154	1583.85	23	1585.28	3.5	1578.86	59	1583.32	20	1585.27	168	1583.80	1.5	1578.86	
10/25/20	398	42	1584.43	154	1583.83	23	1585.27	4.2	1578.86	59	1583.31	20	1585.22	169	1583.78	1.5	1579.11	
10/26/20 <sup>4</sup>	399	42	1584.43	154	1583.83	23	1585.27	3.9	1578.85	59	1583.36	20	1585.23	169	1583.79	1.5	1579.35	
10/27/20	400	42	1584.44	153	1583.84	22	1585.28	4.2	1578.85	41	1583.34	20	1585.27	170	1583.79	1.5	1579.17	
10/28/20	407	42	1584.44	154	1583.84	23	1585.28	3.5	1578.85	53	1576.62	20	1585.12	170	1583.80	1.5	1578.91	
10/29/20	412	42	1584.44	153	1583.85	24	1585.29	4.2	1578.85	63	1576.43	19	1585.02	169	1583.80	1.5	1579.03	
10/30/20	408	42	1584.44	153	1583.84	23	1585.28	4.2	1578.85	63	1576.41	19	1584.98	167	1583.79	1.5	1579.27	
10/31/20	408	42	1584.43	153	1583.83	22	1585.27	3.5	1578.85	63	1576.35	19	1584.95	169	1583.78	1.5	1579.08	
Monthly Average	400	42	1584.33	153	1583.73	23	1585.19	3.8	1578.85	59	1582.31	20	1585.13	169	1583.69	1.5	1579.03	
Analytical <sup>1</sup>	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc <sup>2</sup> (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date
Perchlorate	25	10/13/2020	11	10/13/2020	160	10/13/2020	140	10/13/2020	160	10/13/2020	81	10/13/2020	80	10/13/2020	44	10/13/2020		
Hexavalent Chromium	ND	10/13/2020	0.0040	10/13/2020	0.31	10/13/2020	0.16	10/13/2020	0.63	10/13/2020	0.51	10/13/2020	0.073	10/13/2020	0.038	10/13/2020		
Total Chromium	ND	10/13/2020	ND	10/13/2020	0.30	10/13/2020	0.16	10/13/2020	0.62	10/13/2020	0.48	10/13/2020	0.071	10/13/2020	0.037	10/13/2020		

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 ND = Not detected above laboratory method detection limit (ClO<sub>4</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>3</sub>-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.  
 ART-1, 2, 3, 4, 7B, and 8 have adjacent recovery wells, both of which can be used for extraction. The pumping well can be chosen manually or automatically, based on operational considerations. The wells with transducers are ART-1, -2, -3, -4, -7A, -8, -9, and PC-150.  
 1: Analytical results are reported from Eurofins TestAmerica.  
 2: On 10/05, 10/12, and 10/26, the LS #3 and AWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 3: On 10/14, Champion Technologies updated totalizer logic that eliminated the need for weekly resets.  
 4: Duplicates taken on 10/13 for well ART-4/4A; average of both values is presented and used for calculations.  
 5: On 10/26, ART-9 offline intermittently due to maintenance.  
 6: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 10/01-10/31 flows and used for calculation purposes. Flow was steady throughout the month but the totalizer showed zero flow because totalizer units are 1,000 gallons.

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			
	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 <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6,7</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5,8,9</sup> (gpm)	Water Elevation (ft amsl)		
10/01/20	0.25	1719.93	1.1	1707.61	0.00	1720.57	0.00	1724.38	1.3	1732.91	0.25	1720.78	4.2	1716.85	1.3	1723.71	0.85	1721.66	4.2	1723.05
10/02/20	0.24	1719.97	1.1	1707.62	0.00	1720.57	0.00	1724.39	1.3	1732.92	0.23	1720.77	4.2	1716.79	1.3	1723.71	0.86	1721.62	4.2	1723.05
10/03/20	0.24	1720.08	1.1	1707.63	0.00	1720.56	0.00	1724.37	1.3	1732.99	0.26	1720.71	4.2	1716.74	1.2	1723.69	0.86	1721.66	4.2	1723.03
10/04/20	0.23	1720.67	1.1	1707.63	0.00	1720.55	0.00	1724.36	1.3	1732.79	0.26	1720.74	4.1	1716.68	1.2	1723.68	0.85	1721.71	4.2	1723.01
10/05/20 <sup>2</sup>	0.24	1720.77	1.1	1707.63	0.00	1720.54	0.00	1724.35	1.3	1731.35	0.24	1720.73	4.2	1716.62	1.2	1723.67	0.86	1721.76	4.2	1722.99
10/06/20	0.22	1720.81	1.1	1707.62	0.00	1720.54	0.00	1724.35	1.4	1731.24	0.25	1720.72	4.2	1716.58	1.2	1723.66	0.80	1721.78	4.2	1722.98
10/07/20	0.33	1720.96	1.1	1707.62	0.01	1720.53	0.00	1724.36	1.3	1732.22	0.36	1720.70	4.2	1716.59	1.2	1723.66	0.85	1721.82	4.2	1722.97
10/08/20	0.42	1720.95	1.1	1707.62	0.00	1720.53	0.00	1724.36	1.3	1732.35	0.51	1720.65	4.1	1716.58	1.2	1723.65	0.78	1721.83	4.2	1722.96
10/09/20	0.41	1721.22	1.1	1707.63	0.00	1720.52	0.00	1724.35	1.3	1733.19	0.46	1720.68	4.1	1716.55	1.2	1723.64	0.77	1721.85	4.2	1722.95
10/10/20	0.41	1721.14	1.1	1707.63	0.00	1720.52	0.00	1724.33	1.3	1733.10	0.55	1720.64	4.1	1716.56	1.2	1723.62	0.75	1721.82	4.2	1722.93
10/11/20	0.40	1721.21	1.1	1707.67	0.00	1720.51	0.00	1724.27	1.3	1733.04	0.55	1720.63	4.2	1716.51	1.3	1723.60	0.76	1721.83	4.2	1722.90
10/12/20	0.34	1721.19	1.1	1708.15	0.00	1720.48	0.00	1724.26	1.3	1733.07	0.52	1716.66	4.2	1714.91	1.2	1723.54	0.78	1720.63	4.2	1722.89
10/13/20	0.20	1721.17	1.0	1707.98	0.00	1720.39	0.00	1724.25	1.3	1733.08	0.41	1715.74	4.4	1716.05	1.5	1723.51	1.0	1720.84	4.2	1722.87
10/14/20 <sup>3</sup>	0.20	1721.79	1.0	1707.79	0.00	1720.35	0.00	1724.25	1.3	1732.63	0.54	1715.32	4.2	1716.05	1.5	1723.49	0.95	1720.99	4.2	1722.85
10/15/20	0.21	1720.25	1.0	1707.73	0.00	1720.32	0.00	1724.22	1.3	1732.71	0.51	1714.80	4.2	1716.04	1.4	1723.47	0.94	1721.00	4.2	1722.83
10/16/20	0.23	1720.01	1.0	1707.74	0.00	1720.31	0.00	1724.23	1.3	1732.83	0.42	1714.81	4.2	1715.98	1.4	1723.45	0.94	1721.08	4.2	1722.83
10/17/20	0.23	1720.01	1.0	1707.80	0.00	1720.29	0.00	1724.23	1.4	1732.87	0.50	1714.78	4.2	1715.98	1.5	1723.44	0.94	1721.13	4.2	1722.81
10/18/20	0.23	1719.80	1.0	1707.79	0.00	1720.28	0.00	1724.22	1.4	1732.97	0.41	1714.80	4.1	1715.87	1.4	1723.43	0.90	1721.26	4.2	1722.80
10/19/20 <sup>4</sup>	0.24	1720.35	1.0	1707.57	0.00	1720.38	0.00	1724.28	1.3	1735.98	0.46	1720.16	4.2	1716.24	1.4	1723.44	0.95	1721.67	4.2	1722.83
10/20/20	0.22	1720.42	1.1	1707.57	0.00	1720.42	0.01	1724.29	1.1	1735.66	0.24	1720.18	4.2	1716.34	1.4	1723.45	0.79	1721.63	4.2	1722.84
10/21/20	0.15	1722.14	1.0	1707.60	0.00	1720.43	0.00	1724.29	1.2	1735.62	0.24	1720.36	4.0	1716.49	1.4	1723.47	0.78	1721.69	4.2	1722.84
10/22/20 <sup>4</sup>	0.21	1721.24	1.0	1707.58	0.00	1720.45	0.00	1724.46	1.1	1736.86	0.25	1720.04	4.1	1717.20	1.3	1723.48	0.74	1722.10	4.1	1722.87
10/23/20 <sup>4</sup>	0.22	1720.83	1.1	1707.57	0.00	1720.42	0.00	1724.58	0.9	1737.36	0.28	1718.53	4.0	1717.02	1.3	1723.49	0.82	1721.60	4.2	1722.86
10/24/20	0.21	1720.75	1.1	1707.57	0.00	1720.41	0.00	1724.63	0.9	1737.24	0.44	1718.18	4.1	1717.05	1.3	1723.52	0.82	1721.61	4.2	1722.88
10/25/20 <sup>4</sup>	0.21	1720.53	1.0	1707.60	0.00	1720.41	0.00	1724.53	0.9	1737.20	0.43	1718.59	3.9	1716.32	1.3	1723.44	0.83	1720.67	4.1	1722.80
10/26/20 <sup>4</sup>	0.21	1720.48	1.1	1708.07	0.00	1720.45	0.00	1724.46	1.0	1736.57	0.31	1720.22	4.0	1717.28	1.3	1723.48	0.82	1721.57	4.2	1722.88
10/27/20 <sup>4</sup>	0.25	1719.74	1.0	1707.61	0.00	1720.44	0.00	1724.57	1.1	< 1710.00	0.29	1719.15	4.0	1715.80	1.2	1723.47	0.91	1720.75	3.9	1722.80
10/28/20	0.25	1719.85	1.1	1707.87	0.00	1720.39	0.00	1724.56	1.2	1719.57	0.36	1718.78	4.5	1715.43	1.3	1723.43	0.99	1720.90	4.3	1722.74
10/29/20	0.25	1719.65	1.1	1707.84	0.00	1720.37	0.00	1724.57	1.2	1719.47	0.37	1718.75	4.5	1715.26	1.2	1723.41	0.95	1721.02	4.2	1722.71
10/30/20	0.24	1719.93	1.0	1708.16	0.00	1720.35	0.00	1724.58	1.1	1719.56	0.35	1718.80	4.4	1715.14	1.2	1723.39	0.90	1721.13	4.2	1722.68
10/31/20	0.24	1719.74	1.0	1708.35	0.00	1720.34	0.00	1724.54	1.2	1719.51	0.34	1718.96	4.5	1715.00	1.2	1723.37	0.88	1721.17	4.2	1722.65
Monthly Average	0.26	1720.57	1.1	1707.74	0.00	1720.44	0.0	1724.38	1.23	1731.25	0.37	1718.88	4.2	1716.27	1.3	1723.53	0.86	1721.41	4.2	1722.87
Analytical <sup>1</sup>	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 <sup>2</sup> (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	490	10/14/2020	38	10/14/2020	230	10/14/2020	190	10/20/2020	200	10/20/2020	380	10/14/2020	380	10/15/2020	570	10/15/2020	300	10/15/2020	390	10/15/2020
Hexavalent Chromium	0.58	10/14/2020	0.055	10/14/2020	0.032	10/14/2020	1.7	10/20/2020	1.6	10/20/2020	0.49	10/14/2020	3.1	10/15/2020	4.6	10/15/2020	5.5	10/15/2020	11	10/15/2020
Total Chromium	9.3	10/14/2020	0.066	10/14/2020	0.040	10/14/2020	1.7	10/20/2020	1.7	10/20/2020	0.54	10/14/2020	2.9	10/15/2020	4.4	10/15/2020	5.1	10/15/2020	10	10/15/2020

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
  - 1: Analytical results are reported from Eurofins TestAmerica.
  - 2: On 10/05 and 10/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
  - 3: On 10/14, Champion Technologies updated totalizer logic that eliminated the need for weekly resets.
  - 4: On 10/19, 10/22, 10/23, 10/25, 10/26, and 10/27, IWF offline briefly due to high level at GWTP.
  - 5: On 10/12, I-B, I-D, I-E, I-M, I-N, I-O, I-R, I-S, and I-U adjusted to meet flow target as directed by the Trust.
  - 6: On 10/26, I-C, I-E, I-L, I-M, I-N, I-P, and I-S adjusted to meet flow target as directed by the Trust.
  - 7: On 10/13, I-C, I-M, I-N, and I-S adjusted to meet flow target as directed by the Trust.
  - 8: Duplicates taken on 10/15 for well I-E; average of both values is presented and used for calculations.
  - 9: On 10/23, I-E, I-L, I-M, I-N, I-P, I-R, I-S, I-T, and I-U 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-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>6,9,10</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6,7,9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6,7,9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6,9</sup> (gpm)	Water Elevation (ft amsl)
10/01/20	0.08	1723.80	1.4	1721.62	4.7	1723.40	7.3	1712.23	3.9	1709.04	1.2	1722.34	2.0	1723.53	3.1	1722.26	0.20	1723.42	1.7	1723.39
10/02/20	0.08	1723.80	1.4	1721.63	4.8	1723.41	7.3	1712.24	3.9	1709.04	1.2	1722.33	2.0	1723.55	3.1	1722.30	0.24	1723.42	1.7	1723.39
10/03/20	0.08	1723.78	1.4	1721.62	4.8	1723.40	7.3	1712.25	3.9	1709.05	1.2	1722.28	1.9	1723.55	3.1	1722.24	0.20	1723.41	1.7	1723.38
10/04/20	0.08	1723.77	1.5	1721.61	4.8	1723.39	7.4	1712.23	3.9	1709.05	1.2	1722.24	1.9	1723.54	3.1	1722.22	0.23	1723.41	1.7	1723.39
10/05/20 <sup>2</sup>	0.09	1723.77	1.4	1721.62	4.8	1723.38	7.4	1712.22	3.9	1709.02	1.2	1722.23	2.0	1723.54	3.1	1722.21	0.23	1723.41	1.7	1723.39
10/06/20	0.08	1723.77	1.5	1721.63	4.8	1723.39	7.3	1712.22	3.9	1709.04	1.2	1722.22	1.9	1723.53	3.1	1722.19	0.23	1723.41	1.7	1723.40
10/07/20	0.08	1723.77	1.4	1721.65	4.8	1723.39	7.3	1712.23	3.9	1709.05	1.2	1722.23	2.0	1723.54	3.1	1722.19	0.22	1723.42	1.7	1723.41
10/08/20	0.09	1723.76	1.5	1721.65	4.8	1723.40	7.3	1712.24	3.9	1709.05	1.2	1722.23	1.9	1723.53	3.1	1722.18	0.23	1723.43	1.6	1723.42
10/09/20	0.09	1723.75	1.4	1721.63	4.8	1723.38	7.4	1712.23	3.9	1709.06	1.3	1722.17	1.9	1723.52	3.1	1722.17	0.26	1723.42	1.6	1723.39
10/10/20	0.09	1723.75	1.3	1721.62	4.8	1723.37	7.5	1712.24	3.9	1709.05	1.3	1722.17	1.9	1723.52	3.1	1722.16	0.27	1723.39	1.6	1723.38
10/11/20	0.09	1723.71	1.4	1721.59	4.7	1723.35	7.4	1712.22	3.9	1709.05	1.3	1722.15	1.9	1723.50	3.1	1722.13	0.27	1723.36	1.6	1723.36
10/12/20	0.09	1723.70	1.4	1721.58	4.8	1723.34	7.4	1712.22	3.9	1709.05	1.3	1722.10	1.9	1723.26	3.1	1721.98	0.25	1723.27	1.7	1723.34
10/13/20	0.09	1723.70	1.4	1721.56	4.7	1723.33	7.5	1712.24	3.8	1709.05	1.3	1721.99	2.1	1723.31	3.4	1722.03	0.53	1723.26	1.6	1723.33
10/14/20 <sup>3</sup>	0.09	1723.70	1.5	1721.63	4.7	1723.32	7.5	1712.21	3.8	1709.07	1.3	1721.95	2.1	1723.31	3.3	1722.02	0.46	1723.26	1.6	1723.33
10/15/20	0.09	1723.68	1.4	1721.62	4.7	1723.31	7.5	1712.23	3.8	1709.05	1.3	1721.90	2.0	1723.34	3.3	1722.02	0.51	1723.25	1.6	1723.32
10/16/20	0.09	1723.69	1.3	1721.64	4.7	1723.31	7.5	1712.20	3.8	1709.06	1.3	1721.87	1.9	1723.35	3.3	1722.02	0.48	1723.25	1.6	1723.32
10/17/20	0.09	1723.69	1.5	1721.63	4.7	1723.31	7.5	1712.22	3.8	1709.04	1.3	1721.84	1.9	1723.34	3.3	1722.01	0.53	1723.24	1.6	1723.32
10/18/20	0.09	1723.67	1.5	1721.63	4.7	1723.30	7.5	1712.22	3.8	1709.05	1.1	1721.87	1.9	1723.34	3.3	1722.00	0.49	1723.24	1.6	1723.31
10/19/20 <sup>4</sup>	0.09	1723.69	1.4	1721.69	4.7	1723.32	7.5	1712.22	3.8	1709.04	1.3	1722.21	2.0	1723.52	3.3	1722.21	0.50	1723.32	1.6	1723.44
10/20/20	0.08	1723.69	1.4	1721.72	4.8	1723.33	7.2	1712.21	3.8	1709.04	1.2	1722.17	1.6	1723.45	2.6	1722.22	0.42	1723.34	1.3	1723.47
10/21/20	0.08	1723.69	1.5	1721.75	4.9	1723.34	7.4	1712.22	3.9	1709.41	1.1	1722.30	1.5	1723.54	2.6	1722.24	0.46	1723.36	1.3	1723.50
10/22/20 <sup>4</sup>	0.08	1723.68	1.5	1721.79	4.7	1723.39	7.2	1712.23	3.8	1709.05	1.0	1722.70	1.5	1723.68	2.4	1722.54	0.43	1723.40	1.2	1723.58
10/23/20 <sup>4</sup>	0.08	1723.66	1.4	1721.73	4.8	1723.35	7.2	1712.21	3.9	1709.03	0.93	1722.39	1.5	1723.53	2.2	1722.36	0.45	1723.32	1.4	1723.38
10/24/20	0.08	1723.68	1.5	1721.71	4.9	1723.34	7.3	1712.22	3.9	1709.04	1.0	1722.42	1.6	1723.55	2.4	1722.35	0.50	1723.30	1.6	1723.34
10/25/20 <sup>4</sup>	0.08	1723.62	1.5	1721.63	4.8	1723.30	7.2	1712.21	3.9	1709.04	0.94	1722.25	1.6	1723.22	2.4	1722.04	0.51	1723.24	1.6	1723.22
10/26/20 <sup>4</sup>	0.08	1723.63	1.5	1721.74	4.8	1723.37	7.3	1712.94	3.9	1709.05	1.0	1722.48	1.6	1723.49	2.4	1722.26	0.47	1723.32	1.4	1723.38
10/27/20 <sup>4</sup>	0.08	1723.63	1.4	1721.81	4.6	1723.38	7.0	1712.23	3.7	1736.00	1.1	1722.10	1.8	1723.23	3.1	1721.87	0.43	1723.34	1.5	1723.33
10/28/20	0.09	1723.61	1.5	1721.78	4.9	1723.34	7.4	1712.24	3.9	1736.00	1.2	1721.99	2.0	1723.21	3.7	1721.81	0.49	1723.31	1.7	1723.33
10/29/20	0.09	1723.60	1.4	1721.78	4.9	1723.32	7.3	1712.23	3.8	1708.43	1.3	1721.88	2.0	1723.19	3.6	1721.77	0.43	1723.32	1.7	1723.34
10/30/20	0.09	1723.59	1.4	1721.75	4.9	1723.31	7.3	1712.22	3.5	1708.10	1.3	1721.85	2.0	1723.16	3.6	1721.74	0.44	1723.29	1.6	1723.32
10/31/20	0.09	1723.57	1.4	1721.73	4.9	1723.29	7.3	1712.23	3.9	1708.09	1.3	1721.83	2.0	1723.14	3.6	1721.72	0.42	1723.27	1.6	1723.30
Monthly Average	0.09	1723.70	1.4	1721.67	4.8	1723.35	7.3	1712.25	3.8	1710.72	1.2	1722.15	1.9	1723.42	3.1	1722.11	0.38	1723.33	1.6	1723.37
Analytical <sup>1</sup>	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	10/14/2020	620	10/14/2020	630	10/20/2020	310	10/20/2020	310	10/20/2020	250	10/14/2020	280	10/15/2020	350	10/15/2020	560	10/14/2020	660	10/14/2020
Hexavalent Chromium	15	10/14/2020	14	10/14/2020	8.3	10/20/2020	3.9	10/20/2020	2.5	10/20/2020	1.4	10/14/2020	5.3	10/15/2020	6.6	10/15/2020	13	10/14/2020	14	10/14/2020
Total Chromium	14	10/14/2020	13	10/14/2020	9.7	10/20/2020	4.3	10/20/2020	2.4	10/20/2020	1.4	10/14/2020	5.1	10/15/2020	6.0	10/15/2020	13	10/14/2020	14	10/14/2020

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
  - 1: Analytical results are reported from Eurofins TestAmerica.
  - 2: On 10/05 and 10/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
  - 3: On 10/14, Champion Technologies updated totalizer logic that eliminated the need for weekly resets.
  - 4: On 10/19, 10/22, 10/23, 10/25, 10/26, and 10/27, IWF offline briefly due to high level at GWTP.
  - 5: On 10/12, I-B, I-D, I-E, I-M, I-N, I-O, I-R, I-S, and I-U adjusted to meet flow target as directed by the Trust.
  - 6: On 10/26, I-C, I-E, I-L, I-M, I-N, I-P, and I-S adjusted to meet flow target as directed by the Trust.
  - 7: On 10/13, I-C, I-M, I-N, and I-S adjusted to meet flow target as directed by the Trust.
  - 9: On 10/23, I-E, I-L, I-M, I-N, I-P, I-R, I-S, I-T, and I-U adjusted to meet flow target as directed by the Trust.
  - 10: On 10/18, I-L flow adjusted to maintain level.

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 <sup>11</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5,9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5,6,7,9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5,9</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>12</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
10/01/20	0.22	1722.63	0.97	1723.88	1.8	1722.96	0.31	1721.27	0.78	1716.24	4.4	1722.61	0.53	1723.50	3.7	1719.75	1.4	1717.33	8.1	1715.53
10/02/20	0.22	1722.63	0.98	1723.86	1.8	1722.95	0.31	1721.28	0.57	1716.23	4.4	1722.62	0.43	1723.50	3.6	1719.75	1.4	1717.32	7.5	1715.55
10/03/20	0.22	1722.61	1.0	1723.87	1.8	1722.94	0.31	1721.28	0.71	1716.84	4.4	1722.61	0.43	1723.51	3.6	1719.73	1.3	1717.32	8.2	1715.55
10/04/20	0.22	1722.60	1.1	1723.88	1.8	1722.92	0.31	1721.28	0.67	1717.84	4.4	1722.60	0.43	1723.60	3.7	1719.71	1.3	1717.30	7.8	1715.49
10/05/20 <sup>2</sup>	0.22	1722.59	1.0	1723.86	1.8	1722.91	0.32	1721.29	0.75	1718.63	4.4	1722.60	0.50	1723.58	3.7	1719.70	1.4	1717.28	8.1	1715.47
10/06/20	0.22	1722.59	1.0	1723.88	1.8	1722.91	0.32	1721.30	0.57	1718.81	4.4	1722.60	0.43	1723.59	3.7	1719.68	1.4	1717.27	8.2	1715.46
10/07/20	0.22	1722.59	1.0	1723.89	1.8	1722.90	0.31	1721.32	0.68	1719.13	4.4	1722.61	0.46	1723.61	3.7	1719.68	1.4	1717.25	8.0	1715.47
10/08/20	0.21	1722.58	1.0	1723.86	1.8	1722.90	0.32	1721.32	0.53	1719.43	4.4	1722.61	0.43	1723.61	3.6	1719.67	1.4	1717.24	8.2	1715.50
10/09/20	0.21	1722.57	0.98	1723.86	1.8	1722.89	0.32	1721.32	0.52	1719.64	4.5	1722.59	0.56	1723.21	3.7	1719.64	1.3	1717.23	8.4	1715.44
10/10/20	0.21	1722.56	0.87	1723.90	1.8	1722.88	0.32	1721.33	0.48	1719.85	4.5	1722.58	0.67	1723.23	3.8	1719.63	1.4	1717.22	8.4	1715.42
10/11/20	0.21	1722.52	0.80	1723.85	1.8	1722.86	0.32	1721.30	0.45	1720.19	4.3	1722.55	0.74	1723.22	3.8	1719.60	1.4	1717.21	8.3	1715.30
10/12/20	0.21	1722.52	0.95	1722.67	1.8	1722.74	0.32	1721.29	0.53	1718.43	4.4	1722.54	0.55	1723.20	3.7	1719.57	1.4	1717.03	8.3	1715.32
10/13/20	0.21	1722.51	1.3	1722.68	2.1	1722.70	0.32	1721.27	0.58	1718.74	4.2	1722.52	0.72	1723.17	3.8	1719.55	1.4	1716.87	8.4	1715.29
10/14/20 <sup>3</sup>	0.20	1722.57	1.3	1722.47	1.9	1722.67	0.32	1721.27	0.57	1718.61	4.2	1722.51	0.73	1723.18	3.7	1719.53	1.4	1716.73	8.4	1715.27
10/15/20	0.17	1722.59	1.2	1722.53	1.9	1722.64	0.32	1721.25	0.58	1718.90	4.2	1722.50	0.68	1723.33	3.7	1719.52	1.4	1716.68	8.4	1715.22
10/16/20	0.16	1722.63	1.2	1722.45	1.9	1722.62	0.32	1721.27	0.53	1719.12	4.2	1722.50	0.64	1723.33	3.7	1719.52	1.4	1716.64	8.4	1715.26
10/17/20	0.15	1722.60	1.3	1722.52	1.9	1722.61	0.32	1721.27	0.52	1719.45	4.2	1722.49	0.64	1723.33	3.7	1719.51	1.4	1716.62	8.4	1715.25
10/18/20	0.17	1722.59	1.3	1722.45	1.9	1722.60	0.29	1721.31	0.47	1719.79	4.2	1722.48	0.66	1723.27	3.8	1719.48	1.4	1716.60	8.4	1715.20
10/19/20 <sup>4</sup>	0.17	1722.61	1.3	1722.56	1.9	1722.92	0.32	1721.47	0.54	1720.76	4.2	1722.52	0.66	1723.68	3.7	1719.56	1.4	1717.01	8.4	1715.35
10/20/20	0.19	1722.32	1.2	1722.69	1.1	1722.97	0.27	1721.49	0.39	1720.82	4.4	1722.54	0.41	1723.70	3.7	1719.57	1.4	1717.09	8.4	1715.32
10/21/20	0.28	1722.33	1.1	1722.74	1.1	1722.81	0.28	1721.52	0.38	1721.12	4.4	1722.56	0.40	1723.76	3.7	1719.57	1.3	1717.16	8.5	1715.39
10/22/20 <sup>4</sup>	0.26	1722.44	1.0	1723.04	1.7	1722.98	0.26	1721.65	0.36	1720.84	4.4	1722.60	0.35	1723.94	3.6	1719.69	1.3	1717.25	8.2	1715.81
10/23/20 <sup>4</sup>	0.19	1722.54	1.2	1721.88	1.3	1723.00	0.36	1720.76	0.51	1718.56	4.4	1722.56	0.48	1723.18	3.6	1719.67	1.3	1717.31	8.3	1715.64
10/24/20	0.18	1722.58	1.2	1721.91	1.3	1723.00	0.41	1720.75	0.59	1718.37	4.4	1722.54	0.83	1723.10	3.6	1719.66	1.3	1717.31	8.4	1715.52
10/25/20 <sup>4</sup>	0.19	1722.32	1.2	1722.66	1.3	1722.84	0.40	1720.83	0.60	1717.80	4.4	1722.49	0.72	1723.28	3.6	1719.59	1.3	1717.33	8.3	1715.43
10/26/20 <sup>4</sup>	0.20	1722.83	1.1	1722.54	1.3	1722.90	0.39	1720.94	0.48	1717.97	4.4	1722.55	0.60	1724.00	3.6	1719.70	1.3	1717.46	8.4	1716.11
10/27/20 <sup>4</sup>	0.19	1722.51	1.2	1722.72	1.8	1722.74	0.33	1721.00	0.58	1718.16	4.1	1722.58	0.33	1723.67	3.4	1719.59	1.2	1717.43	7.9	1715.83
10/28/20	0.19	1722.52	1.3	1722.61	2.0	1722.66	0.36	1720.97	0.62	1718.09	4.4	1722.54	0.41	1723.66	3.7	1719.52	1.3	1717.30	8.5	1715.55
10/29/20	0.17	1722.53	1.2	1722.55	1.9	1722.61	0.36	1720.97	0.61	1718.12	4.5	1722.52	0.40	1723.76	3.7	1719.48	1.3	1717.18	8.4	1715.43
10/30/20	0.16	1722.56	1.2	1722.50	1.9	1722.59	0.36	1720.94	0.60	1718.30	4.5	1722.50	0.51	1723.47	3.6	1719.44	1.3	1717.13	8.4	1715.39
10/31/20	0.14	1722.48	1.2	1722.44	1.9	1722.58	0.36	1720.93	0.59	1718.28	4.5	1722.48	0.59	1723.46	3.6	1719.41	1.3	1717.10	8.4	1715.29
Monthly Average	0.20	1722.55	1.1	1723.01	1.7	1722.81	0.33	1721.21	0.56	1718.81	4.4	1722.55	0.55	1723.47	3.7	1719.60	1.4	1717.14	8.3	1715.45
Analytical <sup>1</sup>	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	610	10/14/2020	570	10/14/2020	260	10/14/2020	810	10/14/2020	935	10/14/2020	600	10/20/2020	530	10/14/2020	490	10/15/2020	380	10/14/2020	470	10/20/2020
Hexavalent Chromium	14	10/14/2020	1.0	10/14/2020	1.8	10/14/2020	15	10/14/2020	15	10/14/2020	10	10/20/2020	13	10/14/2020	8.0	10/15/2020	1.3	10/14/2020	7.1	10/20/2020
Total Chromium	14	10/14/2020	1.1	10/14/2020	2.0	10/14/2020	14	10/14/2020	15	10/14/2020	7.8	10/20/2020	13	10/14/2020	7.7	10/15/2020	1.3	10/14/2020	7.3	10/20/2020

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
  - 1: Analytical results are reported from Eurofins TestAmerica.
  - 2: On 10/05 and 10/26, the IWF totalizers were reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.
  - 3: On 10/14, Champion Technologies updated totalizer logic that eliminated the need for weekly resets.
  - 4: On 10/19, 10/22, 10/23, 10/25, 10/26, and 10/27, IWF offline briefly due to high level at GWTP.
  - 5: On 10/12, I-B, I-D, I-E, I-M, I-N, I-O, I-R, I-S, and I-U adjusted to meet flow target as directed by the Trust.
  - 6: On 10/26, I-C, I-E, I-L, I-M, I-N, I-P, and I-S adjusted to meet flow target as directed by the Trust.
  - 7: On 10/13, I-C, I-M, I-N, and I-S adjusted to meet flow target as directed by the Trust.
  - 9: On 10/23, I-E, I-L, I-M, I-N, I-P, I-R, I-S, I-T, and I-U adjusted to meet flow target as directed by the Trust.
  - 11: On 10/19 and 10/25, I-Q flow adjusted to maintain level.
  - 12: On 10/09, I-W flow adjusted to maintain level.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																
Date	LS #2	GWTP Effluent <sup>1</sup>				GW-11 Influent <sup>1</sup>				FBR Plant Influent <sup>1</sup>						
		Flow <sup>4</sup> (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>5</sup> (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>6</sup> (gpm)	TA - ClO <sub>2</sub> (mg/L)	ETI - ClO <sub>2</sub> (mg/L)	TA - ClO <sub>3</sub> (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
10/01/20	937	62				0.00				1,009		48				
10/02/20	936	63				0.00				999		46				
10/03/20	937	62				0.00				1,016	77	37				
10/04/20	938	63				0.00				1,039		51				
10/05/20 <sup>3</sup>	938	62				0.00				1,091		54				
10/06/20	944	62				5.6	0.31 B	0.024	73	1,021		53	94	7.0	0.029	0.017
10/07/20	938	62	0.71	ND	480	0.00				1,006		54				
10/08/20	937	63				0.00				1,017		58				
10/09/20	935	62				0.00				1,030		58				
10/10/20	940	62				0.00				1,043	58	53				
10/11/20	941	62				0.00				1,023		58				
10/12/20 <sup>3</sup>	939	62				0.00				1,057		58		10	0.020	0.018
10/13/20	938	62				0.00				1,065		54				
10/14/20	938	63	0.73	ND	510	0.00				1,061		55				
10/15/20	936	63				0.00				1,029		51				
10/16/20	935	62				0.00				999		56				
10/17/20	937	61				0.00				999	0.21 <sup>7</sup>	56				
10/18/20	939	61				0.00				1,002		56				
10/19/20	938	62				0.00				1,014		55		10	0.015 B	0.0038
10/20/20	938	61				0.00				1,021		53				
10/21/20	944	62	0.32	ND	550	0.00				1,010		57				
10/22/20	937	59				0.00				1,090		55				
10/23/20	945	62				0.00				1,030		52				
10/24/20	935	62				0.00				997	61	56				
10/25/20	940	62				0.00				1,013		56				
10/26/20 <sup>3</sup>	940	62				0.00				1,065		53		9.8	0.025	0.015
10/27/20	937	58				249				1,048		54				
10/28/20	944	62	0.034	ND	460	0.00				1,042		55				
10/29/20	949	62				0.00				1,054		54				
10/30/20	945	62				0.00				1,009		57				
10/31/20	948	62				0.00				1,010	67	57				
Monthly Average <sup>2</sup>	939	62	0.48	ND	498	8.2	0.31	0.024	73	1,029	64	54	94	9.2	0.023	0.014

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 (ClO<sub>2</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>3</sub>-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).  
 B = Compound was found in the blank and sample.  
 1: ETI = Envirogen internal process control data, TA = Eurofins TestAmerica data.  
 2: All average concentrations reported are monthly flow weighted averages.  
 3: On 10/05, 10/12, and 10/26, the LS #2 totalizer was reset. Instantaneous flow rate at the time of the water level measurement was used for these dates.  
 4: On 10/27, GWTP offline briefly due to maintenance.  
 5: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 10/01 to 10/31 due to FBR plant influent strainers clogging, except for monthly sampling and maintenance.  
 6: From 10/01 to 10/31, the FBR Plant Influent Flow was estimated by summing flows for LS #2, GWTP Effluent, and GW-11 Effluent.  
 7: Result is inconsistent with historical influent concentrations. The result was flagged as an outlier data point and was not used for flow weighted averages.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics														
Date	1st Stage FBR <sup>8</sup>			2nd Stage FBR <sup>8</sup>			FBR Plant Effluent <sup>9</sup>							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow <sup>9</sup> (gpm)	TA - ClO <sub>4</sub> (mg/L)	ETI - ClO <sub>4</sub> (mg/L)	TA - ClO <sub>3</sub> (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	ETI - Turbidity (NTU)
10/01/20	1,041	6.4	-336	773	6.3	-401	1,062		ND					34
10/02/20	1,071	6.3	-273	959	6.3	-375	1,063		ND					37
10/03/20	1,054	6.4	-303	944	6.3	-396	1,080	ND						22
10/04/20	1,072	6.4	-386	873	6.3	-402	1,083							28
10/05/20	1,052	6.4	-413	965	6.4	-406	833		0.021 J		0.0043 J	ND	ND	25
10/06/20	1,059	6.4	-416	959	6.4	-407	1,058							19
10/07/20	1,044	6.4	-411	980	6.4	-404	1,064							17
10/08/20	1,049	6.4	-407	909	6.4	-408	1,077							20
10/09/20	1,054	6.4	-314	900	6.4	-386	856							25
10/10/20	1,062	6.4	-391	923	6.4	-400	1,084	0.00092 J						27
10/11/20	1,042	6.4	-319	944	6.3	-406	1,077							22
10/12/20	1,088	6.4	-371	963	6.4	-411	1,085				0.0019 J	ND	ND	30
10/13/20	1,102	6.3	-305	949	6.4	-413	937							28
10/14/20	1,075	6.3	-291	903	6.3	-354	1,096							25
10/15/20	1,059	6.3	-181	962	6.3	-334	1,073							22
10/16/20	1,060	6.3	-204	782	6.3	-349	820							25
10/17/20	1,035	6.3	-233	892	6.4	-363	1,056	ND						25
10/18/20	1,046	6.4	-253	960	6.4	-370	1,058							19
10/19/20	1,057	6.4	-230	818	6.5	-375	1,066				0.0045 JB	ND	ND	29
10/20/20	1,069	6.4	-365	936	6.5	-384	1,077							18
10/21/20	1,048	6.4	-272	773	6.5	-385	1,070							19
10/22/20	1,034	6.4	-396	865	6.6	-370	1,052							24
10/23/20	1,049	6.3	-345	882	6.5	-383	1,059							27
10/24/20	1,016	6.3	-329	654	6.6	-384	1,053	ND						25
10/25/20	1,035	6.4	-341	893	6.4	-392	854							33
10/26/20	1,013	6.4	-408	885	6.6	-395	775				0.0016 J	ND	ND	22
10/27/20	1,045	6.3	-385	933	6.6	-372	699							19
10/28/20	1,057	6.3	-311	890	6.5	-377	1,091							30
10/29/20	1,021	6.3	-211	906	6.5	-370	1,081							20
10/30/20	1,014	6.3	-180	873	6.5	-367	1,057							24
10/31/20	930	6.3	-345	826	6.5	-379	1,042	ND						28
Monthly Average <sup>2</sup>	1,047	6.4	-320	893	6.4	-385	1,014	0.0002	ND	0.021	0.003	ND	ND	25

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 (ClO<sub>4</sub> = 0.5 ug/L; ClO<sub>3</sub> = 10 ug/L; NO<sub>3</sub>-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.

8: 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.

9: 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 <sup>1</sup>				
Date	Field Measurement (ft)	Volume (MG)		
10/15/20	31.7	34.4		
10/31/20	31.4	34.8		

GW-11 Leak Detection Monitoring				
Date	Amount Pumped <sup>2</sup> (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
10/14/20	0	0	926	0
10/28/20	0	0	614	0

GW-11 Composite Sample <sup>3</sup>		
Analytes	Concentration	Units
Perchlorate	3.1	mg/L
Chlorate	6.5	mg/L
Ammonia as N	0.18 J	mg/L
Total Phosphorus	0.10	mg/L
Total Dissolved Solids (TDS)	12,000	mg/L
Total Suspended Solids (TSS)	48	mg/L
pH	8.5 HF	s.u.
Calcium	530	mg/L
Iron	0.85	mg/L
Chromium (total)	0.18	mg/L
Chromium VI	0.0032	mg/L
Chloride	3,700	mg/L
Nitrate as N	ND	mg/L
Sulfate	3,100	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 (NH<sub>3</sub>-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 17, 2020.



Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics						
Date	Flow <sup>1</sup> (gpm)	FBR Influent Concentration			Influent Function Load <sup>3</sup> (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO <sub>4</sub> <sup>2</sup> (mg/L)	NO <sub>3</sub> as N (mg/L)	ClO <sub>3</sub> (mg/L)		
Nov 2019	1,019	258	9	130	942	727
Dec 2019	1,050	235	9	120	895	773
Jan 2020	1,050	73	9	120	529	757
Feb 2020	1,060	54	10	120	502	730
Mar 2020	1,073	66	10	130	556	713
Apr 2020	1,078	77	11	100	525	658
May 2020	1,065	86	11	120	582	598
June 2020	1,019	98	12	120	592	548
July 2020	1,035	66	11	91	458	536
Aug 2020	1,040	59	9	100	444	526
Sep 2020	1,038	59	9	120	492	516
Oct 2020	1,029	64	9	94	441	501

Notes:

Concentrations and flow are presented as monthly average.

1: Flow used in loading calculation is average monthly FBR effluent flow to be consistent with historical loading calculations.

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.

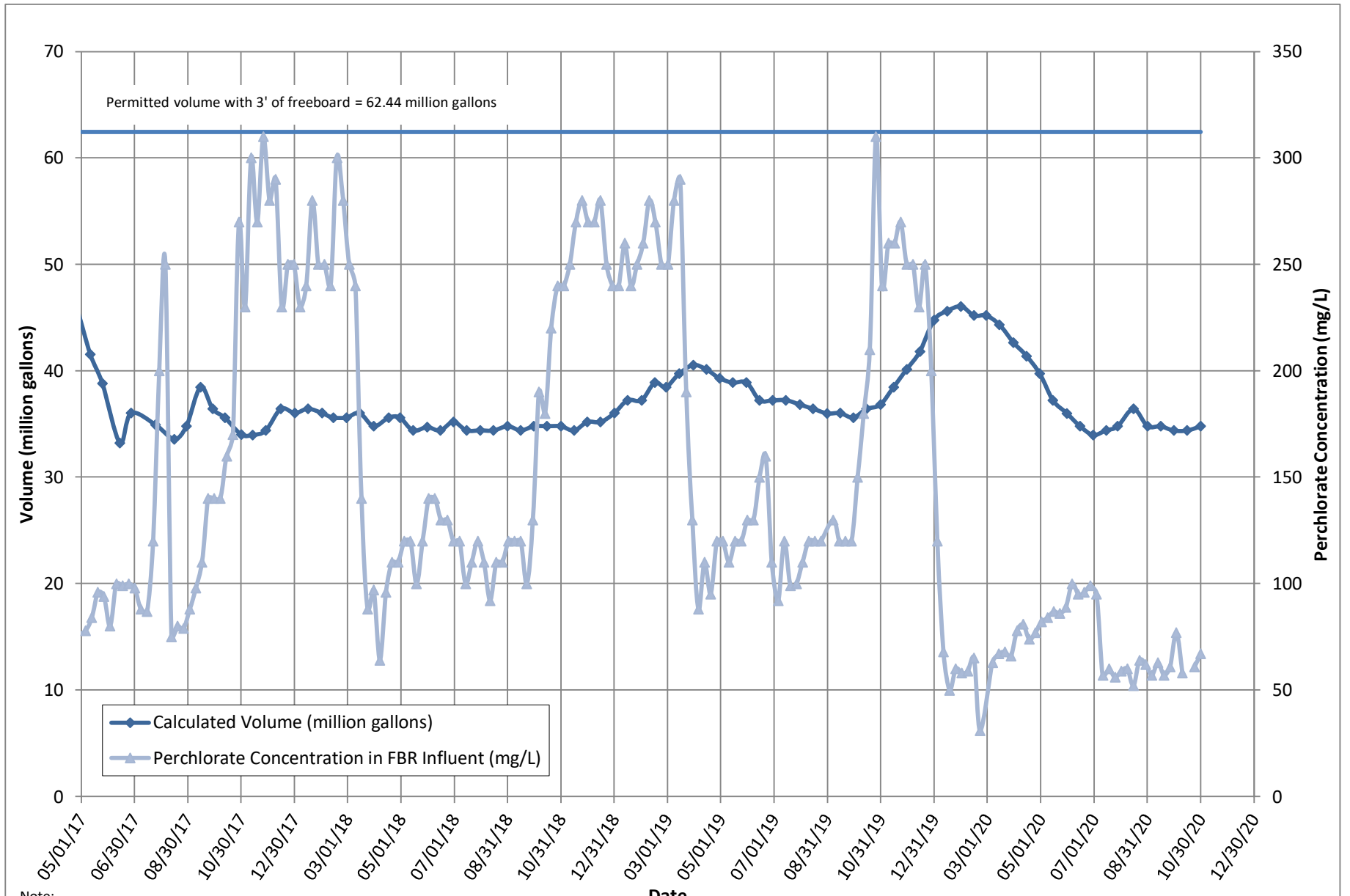
3: FBR loading calculated as  $[(0.9 \cdot \text{NO}_3 \text{ as N} + 0.17 \cdot \text{ClO}_3 + 0.18 \cdot \text{ClO}_4) \cdot \text{Flow} \cdot 1440 / 1000000 \cdot 8.34]$ .

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)	
10/01/20	2.5	1709.71	1.2	1709.80	0.96	1711.38	0.77	1714.57	1.2	1713.10	1.5	1713.24	1.5	1715.67	0.59	1714.34	
10/02/20	2.3	1710.20	1.1	1710.35	0.93	1710.91	0.75	1713.74	1.2	1712.74	1.4	1713.28	1.3	1715.52	0.54	1713.50	
10/03/20	2.4	1709.34	1.1	1710.00	0.96	1711.04	0.78	1713.53	1.2	1712.66	1.5	1712.98	1.4	1714.98	0.56	1713.76	
10/04/20	2.4	1710.26	1.1	1710.61	0.95	1710.41	0.76	1713.15	1.2	1713.12	1.5	1713.38	1.4	1714.09	0.57	1714.91	
10/05/20	2.4	1710.37	1.1	1709.41	0.97	1712.46	0.80	1715.26	1.1	1714.68	1.4	1714.99	1.4	1714.99	0.56	1715.17	
10/06/20	2.4	1710.47	1.1	1708.30	0.98	1714.12	0.88	1715.45	1.2	1715.17	1.4	1715.61	1.4	1714.90	0.53	1716.06	
10/07/20	2.4	1710.43	1.1	1710.21	0.97	1711.45	0.89	1714.80	1.2	1713.91	1.4	1714.47	1.4	1715.36	0.49	1713.97	
10/08/20	2.4	1712.41	1.1	1709.53	0.98	1714.57	0.90	1716.87	1.1	1716.91	1.3	1717.96	1.4	1717.53	0.72	1720.19	
10/09/20	2.4	1711.21	1.1	1709.85	1.0	1714.56	0.90	1717.15	1.1	1717.04	1.3	1717.97	1.4	1717.49	0.70	1710.11	
10/10/20	2.4	1711.11	1.1	1710.38	1.0	1714.47	0.92	1717.07	1.2	1716.57	1.4	1717.69	1.3	1717.28	0.61	1710.12	
10/11/20	2.4	1711.61	1.1	1709.88	1.00	1713.50	0.89	1717.00	1.1	1715.98	1.3	1716.82	1.4	1717.24	0.55	1714.93	
10/12/20	2.4	1711.76	1.1	1709.86	0.96	1710.71	0.90	1717.04	1.1	1716.80	1.3	1717.07	1.4	1717.39	0.55	1714.57	
10/13/20	2.3	1711.38	1.1	1709.71	0.97	1710.36	0.89	1716.76	1.0	1716.97	1.3	1717.18	1.3	1717.26	0.59	1714.70	
10/14/20	2.4	1711.34	1.1	1709.64	0.99	1709.75	0.91	1716.91	1.1	1717.24	1.3	1717.55	1.3	1717.43	0.59	1714.86	
10/15/20	2.4	1710.43	1.0	1709.01	1.00	1713.28	0.90	1716.64	1.1	1716.82	1.3	1718.02	1.3	1716.20	0.58	1715.33	
10/16/20	2.4	1711.52	1.0	1709.95	0.99	1714.45	0.90	1716.96	1.1	1716.89	1.3	1717.92	1.3	1718.09	0.57	1716.90	
10/17/20	2.4	1711.58	1.1	1710.29	1.00	1714.37	0.91	1716.57	1.1	1717.01	1.3	1717.83	1.3	1717.40	0.57	1715.57	
10/18/20	2.3	1711.62	1.0	1709.81	0.99	1713.72	0.90	1717.02	1.1	1717.00	1.2	1717.84	1.3	1718.27	0.42	1715.69	
10/19/20	2.4	1711.85	1.1	1709.59	0.99	1713.40	0.90	1716.57	1.1	1716.48	1.3	1717.17	1.3	1717.22	0.70	1715.05	
10/20/20	2.4	1711.81	1.0	1710.31	0.99	1712.90	0.90	1716.45	1.1	1715.94	1.2	1717.07	1.3	1716.83	0.56	1714.98	
10/21/20	2.4	1713.13	1.1	1710.20	1.0	1712.93	0.80	1716.02	0.93	1715.74	1.0	1715.18	1.2	1716.69	0.44	1713.70	
10/22/20	2.4	1712.22	1.0	1709.93	0.71	1713.12	0.52	1715.60	0.73	1715.96	0.49	1715.24	0.75	1716.46	0.36	1713.26	
10/23/20	2.5	1711.64	1.1	1710.75	0.71	1720.45	0.83	1719.23	1.1	1718.40	1.2	1723.54	1.3	1720.01	0.44	1720.21	
10/24/20	2.4	1711.25	1.1	1712.19	0.79	1720.48	0.91	1717.95	1.2	1718.16	1.6	1720.42	1.4	1719.05	0.71	1722.20	
10/25/20	2.4	1711.43	1.00	1711.31	0.76	1717.07	0.89	1717.20	1.1	1717.67	1.5	1719.30	1.4	1717.89	0.65	1718.70	
10/26/20	2.3	1710.18	0.99	1711.00	0.73	1714.66	0.78	1716.44	0.96	1717.51	1.1	1717.98	1.2	1717.26	0.53	1716.51	
10/27/20	2.5	1710.27	1.1	1710.96	0.81	1714.50	0.64	1716.21	0.81	1716.74	0.84	1717.43	1.0	1716.59	0.38	1715.82	
10/28/20	2.4	1710.56	0.88	1711.35	0.78	1714.10	0.82	1717.67	0.98	1718.50	1.1	1717.93	1.3	1719.49	0.50	1717.99	
10/29/20	2.5	1710.44	1.3	1709.84	0.90	1714.24	0.83	1714.65	1.3	1716.79	1.2	1717.08	1.4	1716.82	0.66	1717.15	
10/30/20	2.4	1710.18	1.1	1709.34	0.82	1714.50	0.83	1713.23	1.1	1716.11	1.2	1716.83	1.3	1714.93	0.56	1713.55	
10/31/20	2.5	1710.07	1.1	1709.68	0.90	1714.99	0.92	1713.09	1.2	1715.52	1.4	1716.03	1.4	1714.99	0.62	1713.50	
Monthly Average	2.4	1711.03	1.1	1710.10	0.92	1713.64	0.8	1716.02	1.1	1716.14	1.3	1716.87	1.3	1716.80	0.56	1715.39	
Analytical <sup>1</sup>	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 <sup>2</sup> (mg/L)	Date	
Perchlorate	560	10/6/2020	1,800	10/6/2020	470	10/6/2020	96	10/6/2020	360	470	10/6/2020	920	10/6/2020	1,400	10/6/2020	1,450	10/6/2020
Hexavalent Chromium	0.060	10/6/2020	0.39	10/6/2020	0.65	10/6/2020	0.030	10/6/2020	0.028	10/6/2020	0.062	10/6/2020	0.061	10/6/2020	0.14	10/6/2020	
Total Chromium	0.055 B	10/6/2020	0.36	10/6/2020	0.61 B	10/6/2020	0.049 B	10/6/2020	0.035 B	10/6/2020	0.13 B	10/6/2020	0.086 B	10/6/2020	0.15 B	10/6/2020	

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.  
 B = Compound was found in the blank and sample.  
 1: Analytical results are reported from Eurofins TestAmerica.  
 2: Duplicates taken on 10/06 for well E2-5; average of both values is presented and used for calculations.

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



Note:

1. Treatment of AP-5 wash water began on July 17, 2017 and was suspended on August 4, 2017 to allow Envirogen to evaluate internal process controls to meet discharge limits. Treatment of AP-5 wash water resumed on August 31, 2017. The AP-5 wash water feed rate was increased on October 1, 2019 in accordance with the higher seasonal ammonia permit limits beginning October 1. The AP-5 wash water feed rate was decreased in March 2019 to prepare for the lower seasonal ammonia permit limits beginning April 1. AP-5 tank processing was completed on 7/15/20.

Figure 2 - FBR Equivalent Loading Calculation

