

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 ² (ft amsl)
05/01/21	504	162	1536.27	96	1539.30	130	1542.55	108	1536.17	71	1547.13	102	1547.77	50	1548.89	20	1549.87	10	1520.78
05/02/21	501	162	1536.21	96	1539.22	130	1542.44	108	1536.13	71	1547.11	102	1547.74	50	1548.87	20	1549.84	10.0	1520.07
05/03/21	512	162	1536.16	96	1539.23	130	1542.64	108	1536.10	71	1547.09	102	1547.72	50	1548.84	20	1549.81	9.9	< 1520.00
05/04/21	513	162	1536.13	96	1539.23	130	1542.70	108	1536.07	71	1547.07	102	1547.70	50	1548.82	20	1549.79	9.9	< 1520.00
05/05/21	496	162	1536.11	96	1539.22	130	1542.71	108	1536.05	71	1547.06	102	1547.68	50	1548.80	20	1549.77	9.8	< 1520.00
05/06/21	483	162	1536.08	96	1539.18	130	1542.64	108	1536.02	71	1547.04	102	1547.66	50	1548.78	20	1549.76	9.8	< 1520.00
05/07/21	483	162	1536.05	96	1539.12	130	1542.51	108	1536.00	71	1547.03	102	1547.65	50	1548.76	20	1549.74	9.8	< 1520.00
05/08/21	482	162	1536.01	96	1539.10	130	1542.54	108	1535.98	71	1547.01	102	1547.63	50	1548.74	20	1549.72	9.8	< 1520.00
05/09/21	481	162	1535.99	96	1539.08	130	1542.51	108	1535.96	71	1547.00	102	1547.61	50	1548.73	20	1549.70	9.8	< 1520.00
05/10/21	482	162	1535.97	96	1539.06	130	1542.49	108	1535.94	71	1546.99	102	1547.60	50	1548.71	20	1549.69	9.7	< 1520.00
05/11/21	484	162	1535.95	96	1539.07	130	1542.60	108	1535.92	71	1546.98	102	1547.58	50	1548.70	20	1549.67	9.7	< 1520.00
05/12/21	483	162	1535.92	96	1539.06	130	1542.61	108	1535.90	71	1546.97	102	1547.57	50	1548.67	20	1549.66	9.7	< 1520.00
05/13/21	483	162	1535.90	96	1539.02	130	1542.53	108	1535.88	71	1546.96	102	1547.55	50	1548.66	20	1549.64	9.7	< 1520.00
05/14/21	483	162	1535.87	96	1538.97	130	1542.41	108	1535.87	71	1546.95	102	1547.54	50	1548.64	20	1549.63	9.7	< 1520.00
05/15/21	482	162	1535.85	96	1538.93	130	1542.29	108	1535.85	71	1546.94	102	1547.53	50	1548.63	20	1549.61	9.7	< 1520.00
05/16/21	482	162	1535.83	96	1538.93	130	1542.39	108	1535.83	71	1546.93	102	1547.51	50	1548.61	20	1549.59	9.7	< 1520.00
05/17/21	483	162	1535.81	96	1538.93	130	1542.44	108	1535.82	71	1546.92	102	1547.50	50	1548.60	20	1549.58	9.7	< 1520.00
05/18/21	504	162	1535.80	96	1538.89	130	1542.37	108	1535.80	71	1546.91	102	1547.49	50	1548.59	20	1549.57	9.7	< 1520.00
05/19/21	504	162	1535.77	96	1538.83	130	1542.25	108	1535.78	71	1546.90	102	1547.47	50	1548.58	20	1549.56	9.7	< 1520.00
05/20/21	505	162	1535.75	96	1538.79	130	1542.21	108	1535.77	71	1546.89	102	1547.46	50	1548.56	20	1549.54	9.7	< 1520.00
05/21/21	506	162	1535.73	96	1538.83	130	1542.42	108	1535.75	71	1546.87	102	1547.44	50	1548.55	20	1549.53	9.6	< 1520.00
05/22/21	506	162	1535.72	96	1538.90	130	1542.55	108	1535.74	71	1546.87	102	1547.43	50	1548.54	20	1549.52	9.6	< 1520.00
05/23/21	507	162	1535.71	96	1538.93	130	1542.59	108	1535.73	71	1546.86	102	1547.43	50	1548.53	20	1549.51	9.6	< 1520.00
05/24/21	512	162	1535.71	96	1538.92	130	1542.58	108	1535.72	71	1546.86	102	1547.42	50	1548.52	20	1549.51	9.6	< 1520.00
05/25/21	499	162	1535.69	96	1538.88	130	1542.42	108	1535.71	71	1546.85	102	1547.42	50	1548.52	20	1549.50	9.6	< 1520.00
05/26/21	489	162	1535.66	96	1538.87	130	1542.40	108	1535.69	71	1546.84	102	1547.41	50	1548.51	20	1549.49	9.6	< 1520.00
05/27/21	488	162	1535.64	96	1538.85	130	1542.32	108	1535.68	71	1546.83	102	1547.40	50	1548.50	20	1549.48	9.6	< 1520.00
05/28/21	509	162	1535.63	96	1538.81	130	1542.32	108	1535.67	71	1546.83	102	1547.39	50	1548.49	20	1549.47	9.6	< 1520.00
05/29/21	510	162	1535.61	96	1538.80	130	1542.26	108	1535.65	71	1546.82	102	1547.38	50	1548.49	20	1549.47	9.6	< 1520.00
05/30/21	511	162	1535.60	96	1538.77	130	1542.28	108	1535.64	71	1546.81	102	1547.37	50	1548.48	20	1549.46	9.6	< 1520.00
05/31/21	513	162	1535.59	96	1538.79	130	1542.36	108	1535.63	71	1546.80	102	1547.37	50	1548.47	20	1549.45	9.6	< 1520.00
Monthly Average	496	162	1535.86	96	1538.98	130	1542.46	108	1535.85	71	1546.94	102	1547.53	50	1548.64	20	1549.62	9.7	1520.03
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	Conc (mg/L)	Date	Conc (mg/L)	Date	
Perchlorate	13	5/12/2021	8.7	5/12/2021	2.65	5/12/2021	9.8	5/12/2021	1.4	5/12/2021	0.18	5/12/2021	0.011	5/12/2021	0.024	5/12/2021	0.97	5/12/2021	
Hexavalent Chromium	0.0029	5/12/2021	ND	5/12/2021	ND	5/12/2021	0.0040	5/12/2021	ND	5/12/2021	ND	5/12/2021	ND	5/12/2021	ND	5/12/2021	ND	5/12/2021	
Total Chromium	ND	5/12/2021	ND	5/12/2021	ND	5/12/2021	0.0022 J	5/12/2021	ND	5/12/2021	ND	5/12/2021	ND	5/12/2021	ND	5/12/2021	ND	5/12/2021	

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: A "<" preceding the water elevation indicates the reported water level is below the transducer. Average monthly water elevation calculations include the transducer elevation in instances where the water level is below the transducer.
 3: Duplicates taken on 05/12 for well PC-115R; 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 ² (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)
05/01/21	401	42	1583.59	152	1583.27	21	1586.06	3.4	1578.84	54	1577.47	19	1584.44	171	1583.15	1.5	1578.63
05/02/21	401	42	1583.59	152	1583.27	21	1586.06	3.4	1578.84	54	1577.46	19	1584.36	171	1583.14	1.5	1578.63
05/03/21	401	42	1583.58	152	1583.26	21	1586.07	3.4	1578.84	54	1577.46	19	1584.58	171	1583.14	1.5	1578.63
05/04/21	401	42	1583.57	152	1583.25	21	1586.07	3.4	1578.84	54	1577.46	19	1584.66	171	1583.13	1.5	1578.63
05/05/21	401	42	1583.57	152	1583.25	21	1586.07	3.4	1578.84	54	1577.46	19	1584.69	171	1583.13	1.5	1578.63
05/06/21	398	42	1583.57	152	1583.25	21	1586.08	3.4	1578.84	54	1577.47	19	1584.64	171	1583.13	1.5	1578.63
05/07/21	398	42	1583.57	152	1583.25	21	1586.08	3.4	1578.84	54	1577.47	19	1584.51	171	1583.13	1.5	1578.63
05/08/21	401	42	1583.56	152	1583.24	21	1586.08	3.4	1578.84	54	1577.46	19	1584.56	171	1583.12	1.5	1578.63
05/09/21	401	42	1583.56	152	1583.24	21	1586.09	3.4	1578.84	54	1577.45	19	1584.54	171	1583.12	1.5	1578.63
05/10/21	401	42	1583.56	152	1583.23	21	1586.09	3.4	1578.84	54	1577.45	19	1584.54	171	1583.12	1.5	1578.63
05/11/21	400	42	1583.55	151	1583.23	21	1586.10	3.4	1578.84	54	1577.45	19	1584.66	171	1583.11	1.5	1578.63
05/12/21	400	42	1583.55	151	1583.24	21	1586.11	3.4	1578.84	54	1577.46	19	1584.68	171	1583.12	1.5	1578.64
05/13/21	397	42	1583.56	152	1583.24	21	1586.13	3.4	1578.85	54	1577.45	19	1584.61	170	1583.12	1.5	1578.64
05/14/21	397	42	1583.56	152	1583.25	21	1586.14	3.4	1578.85	54	1577.46	19	1584.49	170	1583.12	1.5	1578.64
05/15/21	401	42	1583.57	152	1583.25	21	1586.15	3.4	1578.85	54	1577.48	19	1584.39	170	1583.12	1.5	1578.64
05/16/21	400	42	1583.56	152	1583.25	21	1586.15	3.4	1578.84	54	1577.48	18	1584.50	171	1583.12	1.5	1578.64
05/17/21	401	42	1583.57	152	1583.25	21	1586.16	3.4	1578.84	54	1577.49	19	1584.57	171	1583.13	1.5	1578.64
05/18/21	397	42	1583.58	152	1583.26	21	1586.17	3.4	1578.85	54	1577.49	19	1584.52	171	1583.13	1.5	1578.64
05/19/21	398	42	1583.59	152	1583.27	21	1586.18	3.4	1578.85	55	1577.49	19	1584.39	171	1583.14	1.5	1578.64
05/20/21	401	42	1583.59	152	1583.28	21	1586.18	3.4	1578.84	55	1577.50	19	1584.36	171	1583.14	1.5	1578.64
05/21/21	397	42	1583.59	151	1583.28	21	1586.18	3.4	1578.84	55	1577.52	18	1584.58	171	1583.14	1.5	1578.64
05/22/21	400	42	1583.60	151	1583.29	21	1586.19	3.4	1578.84	54	1577.53	18	1584.72	171	1583.15	1.5	1578.64
05/23/21	393	42	1583.64	142	1583.37	21	1586.21	3.4	1578.84	55	1577.52	18	1584.77	171	1583.18	1.5	1578.64
05/24/21	371	42	1583.91	115	1583.86	22	1586.46	3.5	1578.84	55	1577.51	19	1584.77	171	1583.48	1.5	1578.65
05/25/21	388	42	1583.86	141	1583.67	22	1586.43	3.5	1578.84	55	1577.50	19	1584.62	167	1583.28	1.5	1578.66
05/26/21	395	42	1583.85	141	1583.63	22	1586.41	3.5	1578.84	55	1577.50	19	1584.61	171	1583.38	1.5	1578.67
05/27/21	391	42	1583.85	141	1583.64	22	1586.42	3.6	1578.84	55	1577.51	19	1584.63	171	1583.39	1.5	1578.67
05/28/21	392	42	1583.86	141	1583.65	22	1586.42	3.6	1579.11	55	1577.51	19	1584.56	171	1583.39	1.5	1578.68
05/29/21	395	42	1583.87	141	1583.65	22	1586.43	3.6	1579.75	55	1577.53	19	1584.51	171	1583.40	1.5	1578.68
05/30/21	395	42	1583.88	141	1583.67	22	1586.44	3.6	1578.84	55	1577.53	19	1584.54	171	1583.41	1.5	1578.68
05/31/21	395	42	1583.89	141	1583.67	22	1586.45	3.6	1578.84	55	1577.53	19	1584.64	171	1583.42	1.5	1578.68
Monthly Average	397	42	1583.65	148	1583.37	21	1586.20	3.4	1578.88	54	1577.49	19	1584.57	171	1583.20	1.5	1578.65
Analytical	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	
Perchlorate	25	5/12/2021	12	5/12/2021	210	5/12/2021	130	5/12/2021	160	5/12/2021	82	5/12/2021	79	5/12/2021	48	5/12/2021	
Hexavalent Chromium	ND	5/12/2021	0.0042	5/12/2021	0.33	5/12/2021	0.14	5/12/2021	0.56	5/12/2021	0.45	5/12/2021	0.078	5/12/2021	0.038	5/12/2021	
Total Chromium	ND	5/12/2021	ND	5/12/2021	0.31	5/12/2021	0.19	5/12/2021	0.56	5/12/2021	0.43	5/12/2021	0.071	5/12/2021	0.051	5/12/2021	

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; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 B = Compound was found in the blank and sample.
 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 05/23, ART2/2A offline due to maintenance.
 3: On 05/28 and 05/29, ART-4 switched to ART-4A
 4: On 05/25, ART-8A switched briefly to ART-8
 5: Conducted periodic bucket tests to confirm flow rates for PC-150. Average flow of 1.5 gpm determined from flow tests is presented for 05/01-05/31 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.
 6: Duplicates taken on 05/12 for well ART-2A; average of both values is presented and used for calculations.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD ^{4,5}		I-B ^{6,7}		I-C		I-D ⁸		I-E ^{7,8,9}		I-F	
	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)	Flow (gpm)	Water Elevation (ft amsl)
05/01/21	0.19	1721.39	0.85	1710.96	0.00	1719.50	0.00	1726.22	0.98	1721.31	0.37	1710.59	3.4	1708.29	1.6	1718.17	0.81	1717.72	4.2	1719.73
05/02/21	0.19	1720.62	0.85	1710.86	0.00	1719.49	0.00	1726.23	0.97	1721.32	0.36	1710.68	3.5	1708.29	1.6	1718.08	0.82	1717.70	4.2	1719.70
05/03/21	0.18	1721.14	0.84	1711.08	0.00	1719.49	0.00	1726.20	0.97	1721.28	0.35	1711.41	3.5	1708.29	1.6	1717.97	0.80	1717.77	4.2	1719.67
05/04/21	0.18	1721.25	0.83	1711.26	0.00	1719.49	0.00	1726.17	0.97	1721.29	0.35	1710.87	3.4	1708.29	1.6	1717.94	0.8	1717.81	4.2	1719.64
05/05/21	0.17	1721.28	0.82	1711.39	0.00	1719.49	0.00	1726.14	0.97	1721.27	0.32	1712.22	3.4	1708.29	1.6	1717.87	0.78	1717.83	4.2	1719.62
05/06/21	0.17	1721.42	0.81	1711.58	0.00	1719.51	0.00	1726.13	0.96	1721.33	0.36	1713.60	3.4	1708.29	1.6	1717.75	0.87	1717.25	4.2	1719.60
05/07/21	0.15	1721.76	0.81	1711.54	0.00	1719.43	0.00	1726.11	0.91	1721.73	0.37	1711.71	3.4	1708.29	1.6	1717.70	1.1	1715.61	4.2	1719.56
05/08/21	0.15	1721.91	0.80	1711.66	0.00	1719.41	0.00	1726.09	0.91	1721.71	0.34	1711.24	3.4	1708.29	1.6	1717.48	1.0	1715.81	4.2	1719.50
05/09/21	0.15	1722.06	0.79	1711.92	0.00	1719.41	0.00	1726.09	0.91	1721.69	0.34	1710.36	3.4	1708.29	1.6	1717.31	1.0	1715.87	4.2	1719.45
05/10/21	0.16	1721.93	0.78	1712.02	0.00	1719.40	0.00	1726.07	0.91	1721.67	0.35	1710.14	3.4	1708.29	1.6	1717.20	1.00	1716.00	4.2	1719.40
05/11/21	0.16	1721.74	0.75	1712.35	0.23	1714.69	0.0	1726.04	0.91	1721.65	0.29	1713.87	3.4	1708.29	1.5	1717.08	0.96	1716.22	4.2	1719.35
05/12/21	0.16	1721.68	0.74	1712.38	0.38	1710.82	0.00	1726.04	0.91	1721.66	0.21	1716.34	3.3	1708.29	1.5	1716.94	0.97	1716.25	4.2	1719.31
05/13/21	0.15	1721.76	0.74	1712.36	0.38	1710.85	0.015	1726.62	0.89	1721.76	0.20	1715.90	3.3	1708.31	1.5	1716.89	0.93	1716.30	4.2	1719.27
5/14/21 ¹	0.15	1721.85	0.72	1712.68	0.39	1710.81	0.00	1726.39	0.87	1721.91	0.19	1716.89	3.3	1708.37	1.5	1716.98	1.00	1715.78	4.2	1719.24
05/15/21	0.15	1721.91	0.72	1712.62	0.38	1710.66	0.00	1726.25	0.88	1721.89	0.30	1712.75	3.4	1708.30	1.5	1716.77	0.98	1716.01	4.2	1719.20
05/16/21	0.16	1721.89	0.73	1712.48	0.39	1710.68	0.00	1726.33	0.89	1721.72	0.31	1713.38	3.4	1708.30	1.5	1716.65	0.97	1716.11	4.2	1719.16
05/17/21	0.15	1721.90	0.74	1712.40	0.39	1710.66	0.00	1726.27	0.92	1721.55	0.32	1713.63	3.3	1708.30	1.5	1716.46	0.93	1716.27	4.2	1719.12
5/18/21 ³	0.15	1722.11	0.79	1711.69	0.37	1710.62	0.00	1724.39	0.58	1721.68	0.25	1715.18	3.3	1708.48	1.3	1715.35	0.64	1717.85	3.2	1718.36
5/19/21 ²	0.15	1722.04	0.98	1708.07	0.084	1717.22	0.00	1726.13	0.81	1722.02	0.22	1714.90	3.3	1708.34	1.9	1707.35	0.70	1717.94	4.1	1719.28
05/20/21	0.15	1721.91	0.97	1708.02	0.00	1719.40	0.00	1726.16	0.91	1721.80	0.26	1712.90	3.4	1708.32	1.7	1710.81	0.93	1716.50	4.2	1719.26
05/21/21	0.16	1721.93	0.97	1708.03	0.00	1719.30	0.00	1726.26	0.90	1721.71	0.42	1710.20	3.4	1708.33	1.4	1717.31	1.1	1715.42	4.2	1719.15
05/22/21	0.15	1722.06	0.96	1708.08	0.00	1719.28	0.00	1726.19	0.91	1721.65	0.43	1709.71	3.4	1708.33	1.3	1717.57	1.0	1715.56	4.2	1719.09
05/23/21	0.14	1722.18	0.95	1708.33	0.00	1719.28	0.00	1726.10	0.91	1721.61	0.43	1709.71	3.4	1708.33	1.3	1717.78	0.99	1715.87	4.2	1719.05
05/24/21	0.13	1722.30	0.93	1708.73	0.00	1719.28	0.00	1726.04	0.91	1721.58	0.42	1709.70	3.3	1708.33	1.3	1717.88	0.97	1716.02	4.2	1719.03
05/25/21	0.13	1722.37	0.93	1708.80	0.00	1719.29	0.00	1726.01	0.91	1721.57	0.36	1709.70	3.3	1708.34	1.3	1717.98	0.95	1716.11	4.2	1719.01
05/26/21	0.12	1722.34	0.93	1708.66	0.00	1719.29	0.00	1725.95	0.91	1721.56	0.35	1709.72	3.3	1708.36	1.3	1718.10	0.91	1716.30	4.2	1718.99
05/27/21	0.13	1722.26	0.93	1708.62	0.00	1719.28	0.00	1725.79	0.87	1721.67	0.35	1709.70	3.3	1708.37	1.2	1718.21	0.63	1718.01	4.2	1718.97
05/28/21	0.13	1722.21	0.93	1708.64	0.00	1719.28	0.00	1725.66	1.01	1720.94	0.36	1709.71	3.2	1708.37	1.4	1716.85	0.74	1717.40	4.2	1718.96
05/29/21	0.12	1722.31	0.93	1708.66	0.00	1719.27	0.00	1725.67	1.00	1720.97	0.39	1709.71	3.3	1708.37	1.6	1715.09	0.91	1716.37	4.2	1718.93
05/30/21	0.12	1722.40	0.92	1708.80	0.00	1719.26	0.00	1725.67	1.00	1720.98	0.38	1709.72	3.2	1708.37	1.5	1715.11	0.91	1716.28	4.2	1718.90
05/31/21	0.13	1722.14	0.91	1708.95	0.00	1719.27	0.00	1725.65	0.86	1721.90	0.34	1709.68	3.2	1708.37	1.5	1715.19	0.92	1716.15	4.2	1718.87
Monthly Average	0.15	1721.87	0.85	1710.44	0.097	1717.20	0.00	1726.00	0.91	1721.56	0.33	1711.80	3.3	1708.33	1.5	1716.64	0.91	1716.58	4.2	1719.24
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	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	400	5/11/2021	34	5/11/2021	140	5/11/2021	200	5/13/2021	190	5/13/2021	140	5/11/2021	370	5/11/2021	610	5/11/2021	370	5/11/2021	490	5/11/2021
Hexavalent Chromium	0.60	5/11/2021	0.059	5/11/2021	ND	5/11/2021	1.8	5/13/2021	1.8	5/13/2021	0.24	5/11/2021	2.7	5/11/2021	5.2	5/11/2021	5.5	5/11/2021	11	5/11/2021
Total Chromium	4.7	5/11/2021	0.084	5/11/2021	0.022	5/11/2021	1.9	5/13/2021	1.9	5/13/2021	0.26	5/11/2021	3.0	5/11/2021	4.7	5/11/2021	6.0	5/11/2021	13	5/11/2021

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
 - 1: Analytical results are reported from Eurofins TestAmerica.
 - 2: On 05/14 and 05/19, IWF offline intermittently due to maintenance at GWTP.
 - 3: On 05/18, all IWF wells down except I-AR due to maintenance.
 - 4: On 05/27, I-AD down briefly due to maintenance.
 - 5: On 05/31, I-AD, I-K, and I-Z down briefly due to maintenance.
 - 6: On 05/21, I-B down briefly due to maintenance.
 - 7: On 05/26, I-B, I-E, I-S, and I-Y adjusted to meet flow target as directed by the Trust.
 - 8: On 05/28, I-D, I-E, I-N, and I-S adjusted to meet flow target as directed by the Trust.
 - 9: On 05/06, I-E, I-H, I-N, I-R, and I-S adjusted to meet flow target as directed by the Trust.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow ¹⁰ (gpm)	Water Elevation (ft amsl)	Flow ^{6,9} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (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)
05/01/21	0.21	1721.71	0.82	1721.34	4.3	1722.80	7.3	1712.58	3.9	1708.15	1.2	1715.40	2.0	1719.56	3.2	1718.93	0.37	1722.76	1.7	1722.73
05/02/21	0.21	1721.69	0.82	1721.33	4.4	1722.80	7.3	1712.62	3.9	1708.15	1.2	1715.38	2.0	1719.53	3.2	1718.91	0.39	1722.76	1.7	1722.73
05/03/21	0.21	1721.67	0.91	1721.29	4.4	1722.76	7.2	1712.74	3.9	1708.15	1.2	1715.36	2.0	1719.50	3.2	1718.88	0.41	1722.72	1.7	1722.69
05/04/21	0.21	1721.66	0.90	1721.29	4.4	1722.76	7.2	1712.73	3.9	1708.16	1.2	1715.40	2.0	1719.48	3.2	1718.87	0.38	1722.72	1.7	1722.69
05/05/21	0.21	1721.65	0.85	1721.27	4.4	1722.75	7.2	1712.71	3.9	1708.16	1.2	1715.38	2.0	1719.45	3.2	1718.86	0.34	1722.71	1.7	1722.68
05/06/21	0.21	1721.64	0.91	1720.95	4.3	1722.76	7.2	1712.65	3.9	1708.16	1.2	1715.37	2.0	1719.44	3.2	1718.80	0.34	1722.72	1.7	1722.69
05/07/21	0.21	1721.63	1.2	1719.74	4.3	1722.76	7.2	1712.60	3.9	1708.16	1.2	1714.86	2.0	1719.39	3.6	1718.60	0.37	1722.71	1.7	1722.65
05/08/21	0.21	1721.62	1.1	1719.62	4.4	1722.74	7.2	1712.64	3.9	1708.16	1.2	1714.64	2.0	1719.35	3.6	1718.53	0.37	1722.68	1.8	1722.61
05/09/21	0.21	1721.61	1.2	1719.54	4.4	1722.73	7.2	1712.61	3.9	1708.16	1.2	1714.54	2.0	1719.31	3.6	1718.49	0.35	1722.66	1.8	1722.59
05/10/21	0.21	1721.59	1.2	1719.53	4.4	1722.72	7.2	1712.61	3.9	1708.16	1.2	1714.47	2.0	1719.28	3.6	1718.45	0.35	1722.64	1.7	1722.58
05/11/21	0.21	1721.58	1.3	1719.44	4.4	1722.70	7.2	1712.66	3.9	1708.16	1.2	1714.56	2.0	1719.28	3.6	1718.43	0.38	1722.62	1.7	1722.57
05/12/21	0.21	1721.56	1.3	1719.39	4.4	1722.69	7.2	1712.64	3.8	1708.16	1.2	1714.75	2.0	1719.29	3.5	1718.41	0.37	1722.61	1.7	1722.57
05/13/21	0.19	1721.58	1.2	1719.36	4.2	1722.70	7.2	1712.51	3.8	1708.17	1.2	1714.75	2.0	1719.28	3.5	1718.37	0.35	1722.60	1.7	1722.56
5/14/21 ²	0.19	1721.58	1.2	1719.49	4.1	1722.72	7.2	1712.56	3.8	1708.36	1.2	1715.06	2.0	1719.31	3.4	1718.36	0.33	1722.62	1.7	1722.57
05/15/21	0.00	1721.94	1.2	1719.49	4.2	1722.72	7.2	1712.33	3.9	1708.26	1.2	1715.02	2.0	1719.29	3.5	1718.32	0.33	1722.62	1.7	1722.57
05/16/21	0.06	1720.71	1.4	1719.46	4.4	1722.69	7.2	1712.43	3.8	1708.27	1.2	1714.90	2.0	1719.26	3.6	1718.28	0.34	1722.60	1.7	1722.54
05/17/21	0.20	1721.57	1.3	1719.47	4.4	1722.69	7.2	1712.42	3.8	1708.30	1.2	1714.85	2.0	1719.24	3.5	1718.24	0.33	1722.59	1.7	1722.54
5/18/21 ³	0.14	1720.51	0.80	1719.18	2.8	1721.89	4.8	1718.49	2.6	1711.42	1.1	1715.31	1.5	1719.83	2.8	1718.59	0.16	1721.56	1.1	1721.04
5/19/21 ²	0.25	1721.56	1.46	1716.92	4.1	1723.10	7.2	1717.53	3.9	1708.68	1.2	1715.26	1.8	1719.62	3.6	1718.43	0.23	1722.95	1.6	1722.86
05/20/21	0.29	1721.46	1.5	1714.45	4.4	1722.93	7.5	1714.97	4.0	1708.16	1.2	1714.96	1.9	1719.45	3.6	1718.31	0.27	1722.82	1.8	1722.71
05/21/21	0.28	1721.44	1.4	1718.15	4.5	1722.82	7.3	1712.55	3.9	1708.18	1.2	1714.49	1.9	1719.38	3.4	1718.35	0.29	1722.71	1.8	1722.60
05/22/21	0.26	1721.44	1.3	1719.97	4.5	1722.76	7.3	1712.57	3.9	1708.18	1.2	1714.37	1.9	1719.36	3.3	1718.33	0.29	1722.66	1.8	1722.56
05/23/21	0.26	1721.45	1.3	1720.10	4.4	1722.73	7.2	1712.53	3.9	1708.18	1.2	1714.37	1.9	1719.34	3.3	1718.33	0.29	1722.64	1.8	1722.55
05/24/21	0.25	1721.46	1.3	1720.12	4.4	1722.71	7.2	1712.47	3.9	1708.19	1.2	1714.62	1.9	1719.33	3.2	1718.32	0.29	1722.62	1.8	1722.54
05/25/21	0.25	1721.48	1.2	1720.19	4.3	1722.71	7.2	1712.34	3.8	1708.30	1.1	1714.82	1.9	1719.32	3.2	1718.32	0.28	1722.62	1.8	1722.54
05/26/21	0.24	1721.48	1.0	1720.25	4.2	1722.70	7.2	1712.35	3.8	1708.84	1.1	1714.87	1.9	1719.31	3.1	1718.31	0.28	1722.61	1.8	1722.54
05/27/21	0.24	1721.49	1.0	1720.32	4.2	1722.70	6.7	1716.85	3.5	1712.91	1.1	1714.84	1.9	1719.32	3.1	1718.33	0.27	1722.61	1.7	1722.53
05/28/21	0.23	1721.50	1.0	1720.31	4.1	1722.72	6.5	1719.19	3.4	1714.76	1.1	1714.74	1.9	1719.34	3.2	1718.24	0.25	1722.62	1.8	1722.54
05/29/21	0.23	1721.50	1.1	1720.31	4.2	1722.72	6.5	1719.44	3.3	1715.04	1.1	1714.62	1.9	1719.29	3.3	1718.16	0.25	1722.62	1.8	1722.54
05/30/21	0.23	1721.49	1.0	1720.36	4.2	1722.72	6.5	1719.66	3.3	1715.45	1.1	1714.64	1.9	1719.26	3.3	1718.15	0.27	1722.62	1.8	1722.54
05/31/21	0.23	1721.49	1.0	1720.34	4.1	1722.72	6.5	1719.88	2.3	1716.84	1.1	1714.62	1.9	1719.23	3.2	1718.13	0.27	1722.62	1.8	1722.54
Monthly Average	0.21	1721.51	1	1719.77	4.3	1722.72	7.0	1714.03	3.7	1709.43	1.2	1714.88	2.0	1719.38	3.3	1718.45	0.32	1722.63	1.7	1722.55
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	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	800	5/13/2021	820	5/13/2021	560	5/13/2021	210	5/13/2021	360	5/13/2021	290	5/11/2021	480	5/11/2021	420	5/11/2021	580	5/13/2021	690	5/13/2021
Hexavalent Chromium	16	5/13/2021	15	5/13/2021	7.3	5/13/2021	4.1	5/13/2021	2.5	5/13/2021	1.5	5/11/2021	6.1	5/11/2021	6.2	5/11/2021	9.8	5/13/2021	13	5/13/2021
Total Chromium	16	5/13/2021	22	5/13/2021	7.6	5/13/2021	4.3	5/13/2021	2.7	5/13/2021	1.6	5/11/2021	5.6	5/11/2021	7.2	5/11/2021	11	5/13/2021	13	5/13/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 2: On 05/14 and 05/19, IWF offline intermittently due to maintenance at GWTP.
 3: On 05/18, all IWF wells down except I-AR due to maintenance.
 5: On 05/31, I-AD, I-K, and I-Z down briefly due to maintenance.
 7: On 05/26, I-B, I-E, I-S, and I-Y adjusted to meet flow target as directed by the Trust.
 8: On 05/28, I-D, I-E, I-N, and I-S adjusted to meet flow target as directed by the Trust.
 9: On 05/06, I-E, I-H, I-N, I-R, and I-S adjusted to meet flow target as directed by the Trust.
 10: On 05/14, I-G down to due to maintenance until 05/15.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y		I-Z	
	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{6,9} (gpm)	Water Elevation (ft amsl)	Flow ^{7,8,9} (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow ⁵ (gpm)	Water Elevation (ft amsl)
05/01/21	0.62	1715.95	0.87	1718.95	1.8	1716.21	0.58	1715.52	0.83	1712.28	4.3	1721.80	0.71	1722.64	3.7	1716.17	1.4	1712.76	8.0	1714.52
05/02/21	0.61	1715.95	0.81	1718.93	1.8	1716.14	0.58	1715.40	0.85	1711.75	4.4	1721.79	0.71	1722.64	3.7	1716.12	1.4	1712.68	8.1	1714.40
05/03/21	0.60	1716.00	0.78	1718.96	1.7	1716.13	0.58	1715.36	0.86	1711.47	4.4	1721.73	0.74	1722.59	3.7	1716.07	1.4	1712.75	8.0	1714.24
05/04/21	0.59	1716.03	0.80	1718.99	1.7	1716.10	0.58	1715.35	0.86	1711.54	4.3	1721.72	0.73	1722.58	3.7	1716.02	1.4	1712.87	7.9	1714.26
05/05/21	0.58	1716.07	0.84	1718.95	1.7	1716.34	0.58	1715.37	0.85	1711.55	4.3	1721.71	0.73	1722.56	3.7	1715.98	1.4	1713.04	7.6	1714.25
05/06/21	0.56	1716.21	0.90	1718.43	1.8	1715.57	0.58	1715.26	0.87	1711.70	4.3	1721.71	0.72	1722.57	3.7	1715.95	1.4	1712.96	7.5	1714.29
05/07/21	0.55	1716.25	1.2	1716.47	2.0	1712.91	0.58	1715.17	0.87	1711.67	4.3	1721.71	0.70	1722.57	3.7	1715.87	1.4	1711.37	8.0	1714.31
05/08/21	0.53	1716.31	1.2	1716.59	1.9	1712.93	0.58	1715.29	0.85	1711.76	4.4	1721.67	0.70	1722.51	3.7	1715.78	1.4	1710.99	8.2	1714.21
05/09/21	0.53	1716.33	1.2	1716.65	1.9	1712.78	0.57	1715.33	0.86	1711.52	4.4	1721.65	0.70	1722.46	3.7	1715.71	1.4	1711.02	8.3	1714.19
05/10/21	0.52	1716.38	1.2	1716.64	1.9	1712.72	0.57	1715.25	0.84	1711.54	4.4	1721.62	0.72	1722.40	3.7	1715.62	1.4	1710.92	8.3	1714.13
05/11/21	0.52	1716.35	1.1	1718.68	1.9	1713.22	0.57	1715.18	0.86	1711.59	4.4	1721.59	0.74	1722.32	3.7	1715.55	1.4	1711.01	8.1	1714.08
05/12/21	0.51	1716.34	1.1	1719.61	1.8	1713.75	0.57	1715.13	0.81	1711.88	4.4	1721.57	0.72	1722.33	3.7	1715.49	1.4	1711.16	8.2	1714.08
05/13/21	0.50	1716.40	1.1	1719.44	1.8	1713.86	0.57	1715.28	0.79	1712.18	4.3	1721.57	0.69	1722.33	3.7	1715.43	1.4	1711.06	8.1	1714.08
5/14/21 ²	0.37	1717.22	1.1	1719.48	2.0	1711.76	0.54	1715.71	0.78	1712.28	4.2	1721.61	0.64	1722.47	3.7	1715.43	1.4	1711.42	8.1	1714.23
05/15/21	0.33	1717.50	1.1	1719.15	2.0	1711.70	0.55	1715.67	0.78	1712.31	4.3	1721.59	0.67	1722.45	3.7	1715.35	1.4	1711.12	8.1	1714.11
05/16/21	0.34	1717.41	1.1	1718.83	2.0	1711.62	0.55	1715.65	0.82	1712.02	4.4	1721.55	0.74	1722.39	3.7	1715.28	1.4	1710.91	8.3	1713.96
05/17/21	0.35	1717.36	1.1	1718.68	1.9	1711.63	0.55	1715.61	0.84	1711.66	4.3	1721.54	0.79	1722.39	3.7	1715.23	1.4	1710.96	8.3	1713.93
5/18/21 ³	0.18	1717.87	0.98	1719.69	1.9	1712.38	0.30	1717.03	0.53	1714.76	2.2	1721.39	0.37	1721.77	2.9	1716.36	1.3	1711.97	5.3	1713.94
5/19/21 ²	0.20	1718.33	0.94	1720.60	2.0	1712.19	0.37	1718.51	0.80	1713.49	4.0	1722.31	0.56	1723.10	3.6	1715.86	1.4	1712.06	7.9	< 1710.00
05/20/21	0.21	1718.23	1.1	1719.41	2.0	1711.05	0.37	1718.57	0.85	1712.13	4.4	1721.98	0.88	1722.62	3.7	1715.47	1.4	1710.94	8.1	< 1710.00
05/21/21	0.23	1718.10	1.4	1718.67	2.1	1709.55	0.36	1718.50	0.80	1712.46	4.4	1721.79	0.90	1722.43	3.7	1715.32	1.4	1709.78	8.2	< 1710.00
05/22/21	0.24	1718.01	1.4	1718.81	2.0	1710.25	0.36	1718.50	0.80	1712.63	4.4	1721.68	0.90	1722.31	3.7	1715.22	1.3	1709.94	8.4	< 1710.00
05/23/21	0.24	1717.98	1.4	1718.87	1.9	1711.21	0.36	1718.53	0.80	1713.06	4.4	1721.62	0.90	1722.23	3.7	1715.17	1.3	1710.42	8.4	< 1710.00
05/24/21	0.24	1717.95	1.4	1718.93	1.9	1711.78	0.36	1718.55	0.78	1713.16	4.4	1721.59	0.90	1722.18	3.7	1715.14	1.3	1710.78	8.3	< 1710.00
05/25/21	0.24	1717.94	1.3	1718.95	1.8	1712.51	0.35	1718.61	0.76	1713.21	4.4	1721.58	0.89	1722.17	3.7	1715.10	1.3	1710.99	8.0	< 1710.00
05/26/21	0.24	1717.93	1.2	1718.98	1.8	1713.15	0.35	1718.63	0.73	1713.63	4.3	1721.56	0.88	1722.16	3.7	1715.08	1.3	1711.15	8.1	< 1710.00
05/27/21	0.25	1717.89	1.1	1718.84	1.8	1713.37	0.35	1718.68	0.73	1713.78	4.2	1721.61	0.90	1722.13	3.7	1715.04	1.3	1711.07	8.2	1712.87
05/28/21	0.26	1717.83	1.1	1718.70	1.9	1711.47	0.34	1718.70	0.77	1713.85	4.1	1721.66	0.89	1722.15	3.7	1715.02	1.3	1710.94	8.1	1714.79
05/29/21	0.26	1717.84	1.1	1718.56	2.0	1710.44	0.35	1718.70	0.76	1713.99	4.2	1721.67	0.88	1722.18	3.7	1714.95	1.3	1710.72	8.2	1714.83
05/30/21	0.26	1717.84	1.2	1718.57	1.9	1710.80	0.35	1718.67	0.77	1713.78	4.2	1721.67	0.84	1722.15	3.7	1714.90	1.3	1710.77	8.1	1714.83
05/31/21	0.26	1717.82	1.2	1718.63	1.9	1711.01	0.35	1718.66	0.72	1713.30	4.1	1721.66	0.74	1722.20	3.7	1714.84	1.3	1710.84	8.0	1714.94
Monthly Average	0.38	1717.15	1.1	1718.70	1.9	1712.79	0.47	1716.79	0.80	1712.51	4.3	1721.67	0.76	1722.39	3.7	1715.50	1.4	1711.33	8.0	1713.14
Analytical	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ¹¹ (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	690	5/13/2021	670	5/11/2021	365	5/11/2021	890	5/13/2021	910	5/13/2021	670	5/13/2021	640	5/13/2021	590	5/11/2021	560	5/11/2021	290	5/13/2021
Hexavalent Chromium	15	5/13/2021	0.98	5/11/2021	1.7	5/11/2021	17	5/13/2021	17	5/13/2021	7.9	5/13/2021	11	5/13/2021	8.1	5/11/2021	1.4	5/11/2021	6.7	5/13/2021
Total Chromium	15	5/13/2021	1.0	5/11/2021	1.7	5/11/2021	16	5/13/2021	16	5/13/2021	8.0	5/13/2021	12	5/13/2021	9.5	5/11/2021	1.4	5/11/2021	6.9	5/13/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 05/14 and 05/19, IWF offline intermittently due to maintenance at GWTP.
 3: On 05/18, all IWF wells down except I-R due to maintenance.
 5: On 05/31, I-AD, I-K, and I-Z down briefly due to maintenance.
 7: On 05/26, I-B, I-E, I-S, and I-Y adjusted to meet flow target as directed by the Trust.
 8: On 05/28, I-D, I-E, I-N, and I-S adjusted to meet flow target as directed by the Trust.
 9: On 05/06, I-E, I-H, I-N, I-R, and I-S adjusted to meet flow target as directed by the Trust.
 11: Duplicates taken on 05/11 for well I-S; average of both values is presented and used for calculations.

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)
05/01/21	944	73				0.00				1,039	56	54				
05/02/21	944	72				0.00				1,043		54				
05/03/21	948	73				0.00				1,021		54	120	8.4	0.013	0.014
05/04/21	943	72				0.00				1,029		56				
05/05/21	943	73	0.40	ND	460	2.2	0.096	0.0087	68	1,022		57				
05/06/21	940	73				0.00				1,013		57				
05/07/21	940	73				0.00				1,013		44				
05/08/21	943	72				0.00				1,066	56	55				
05/09/21	943	71				0.00				1,039		56				
05/10/21	942	72				0.00				1,014		55				
05/11/21	944	71				4.0				1,015		54		8.6	0.0098 J	0.0130
05/12/21	943	73	0.29	ND	490	1.2				1,016		55				
05/13/21	941	74				0.00				1,015		53				
05/14/21	941	73				0.00				1,014		51				
05/15/21	942	74				0.00				1,017	61	54				
05/16/21	942	74				0.00				1,022		54				
05/17/21	942	74				0.00				1,016		53		8.2	0.041	0.044
05/18/21	946	56				0.00				1,023		42				
05/19/21	940	72	0.37	ND	490	0.00				1,029		48				
05/20/21	943	76				0.00				1,084		48				
05/21/21	938	73				0.00				1,012		54				
05/22/21	941	72				0.00				1,041	58	52				
05/23/21	934	72				0.00				1,021		46				
05/24/21	920	74				0.00				1,043		46		8.6	0.0 J	0.0
05/25/21	937	74				0.00				1,066		48				
05/26/21	936	73				0.00				1,043		53				
05/27/21	932	72				0.00				1,084		54				
05/28/21	940	72				0.00				1,040		53				
05/29/21	933	73				0.00				1,034		53				
05/30/21	936	72				0.00				1,027		47				
05/31/21	938	72				0.00				1,016		47				
Monthly Average ²	940	72	0.36	ND	482	0.24	0.096	0.0087	68	1,031	58	52	120	8.5	0.016	0.019

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading. The only exceptions are the instantaneous flow readings recorded for the 1st and 2nd Stage FBR flows.
 ND = Not detected above laboratory method detection limit (ClO₄ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 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.

Table 4 - Treatment Plant Operational Metrics

Date	1st Stage FBR ³			2nd Stage FBR ³			FBR Plant Effluent							
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁴ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO 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)
05/01/21	1,055	6.6	-345	917	6.7	-371	1,081	ND	0.00					20
05/02/21	1,039	6.6	-375	867	6.7	-380	848		0.00					22
05/03/21	1,044	6.6	-380	931	6.7	-389	793		0.00	0.026 J D	0.0041 J	ND	ND	12
05/04/21	1,047	6.6	-360	923	6.6	-407	1,065		0.00					29
05/05/21	1,020	6.6	-193	910	6.7	-419	622		0.00					19
05/06/21	994	6.6	-292	897	6.7	-372	865		0.00					19
05/07/21	1,045	6.6	-310	893	6.7	-390	1,040		0.00					7.0
05/08/21	1,076	6.6	-386	918	6.7	-409	1,074	ND	0.00					21
05/09/21	1,012	6.6	-364	859	6.7	-417	699		0.00					25
05/10/21	948	6.6	-369	799	6.7	-424	700		0.00					17
05/11/21	965	6.6	-385	928	6.7	-427	1,011		0.00		0.00098 J	ND	ND	28
05/12/21	1,041	6.6	-385	829	6.7	-427	1,035		0.00					25
05/13/21	1,038	6.6	-367	913	6.7	-389	845		0.00					18
05/14/21	1,023	6.6	-365	851	6.7	-404	1,053		0.00					19
05/15/21	1,056	6.6	-368	868	6.7	-417	1,039	ND	0.00					20
05/16/21	1,053	6.6	-354	887	6.7	-423	1,056		0.00					17
05/17/21	1,054	6.6	-363	913	6.7	-413	894		0.00		0.0037 J	ND	ND	45
05/18/21	1,012	6.7	-386	877	6.8	-430	1,009		0.00					19
05/19/21	1,040	6.6	-380	862	6.7	-431	1,036		0.00					33
05/20/21	1,027	6.6	-371	902	6.7	-400	816		0.00					25
05/21/21	1,014	6.6	-349	941	6.6	-377	666		0.00					52
05/22/21	1,018	6.6	-354	863	6.6	-388	1,008	ND	0.00					80
05/23/21	1,059	6.6	-334	862	6.6	-411	1,014		0.00					35
05/24/21	1,111	6.6	-365	921	6.7	-422	1,032		0.00		0.0049 J	ND	ND	32
05/25/21	1,058	6.4	-214	954	6.6	-405	1,035		0.00					41
05/26/21	1,060	6.4	-229	944	6.4	-334	1,045		0.00					29
05/27/21	1,046	6.4	-260	925	6.5	-348	1,061		0.00					24
05/28/21	1,022	6.3	-236	931	6.5	-354	1,050		0.00					24
05/29/21	1,031	6.3	-251	881	6.5	-368	1,049		0.00					13
05/30/21	1,000	6.4	-344	930	6.5	-386	1,029		0.00					20
05/31/21	1,049	8.4	-334	898	6.5	-394	1,029		0.00					26
Monthly Average ²	1,034	6.6	-334	897	6.6	-397	955	ND	ND	0.026	0.0036	ND	ND	26

Notes:

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

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

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

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

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

2: All average concentrations reported are monthly flow weighted averages.

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

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

GW-11 Level Monitoring ¹		
Date	Field Measurement (ft)	Volume (MG)
05/15/21	30.8	35.6
05/31/21	30.8	35.6

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ² (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
5/12/2021	0	0	557.7	0
5/26/2021	0	0	637.0	0

GW-11 Composite Sample ³		
Analytes	Concentration	Units
Perchlorate	17	mg/L
Chlorate	1.7	mg/L
Ammonia as N	0.094	mg/L
Total Phosphorus	0.27	mg/L
Total Dissolved Solids (TDS)	11,000	mg/L
Total Suspended Solids (TSS)	30	mg/L
pH	9.0 HF	s.u.
Calcium	520	mg/L
Iron	0.18	mg/L
Chromium (total)	0.0028 J	mg/L
Chromium VI	0.0029	mg/L
Chloride	4,200	mg/L
Nitrate as N	0.056	mg/L
Sulfate	3,500	mg/L

Notes:

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

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

ND = Not detected above laboratory method detection limit (NH₃-N= 0.1 mg/L; Total P = 0.025 ug/L; Cr(VI) = 0.25 ug/L).

1: A transducer installed along the eastern berm provides water pressure measurements that are correlated to elevations for calculation of water depths. Results from a December 2018 bathymetric survey of the pond will be used to identify adjustment to the procedure, if necessary.

2: Pumping occurs over three consecutive days. The total amount pumped over the three day period is listed with the last day pumping occurred.

3: GW-11 Corner Composite Sample is collected quarterly, most recent sampling results are presented. Sampled on: May 13, 2021

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics						
Date	Flow ¹ (gpm)	FBR Influent Concentration			Influent Function Load ³ (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO ₄ ² (mg/L)	NO ₃ as N (mg/L)	ClO ₃ (mg/L)		
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	9.2	94	441	501
Nov 2020	1,037	56	10	100	451	480
Dec 2020	1,027	59	9	130	507	465
Jan 2021	1,047	54	9	110	454	465
Feb 2021	1,023	61	8	110	457	467
March 2021	1,012	56	7	120	447	460
April 2021	1,027	55	6	110	420	456
May 2021	1,031	58	8	120	476	460

Notes:

Concentrations and flow are presented as monthly average.

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

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

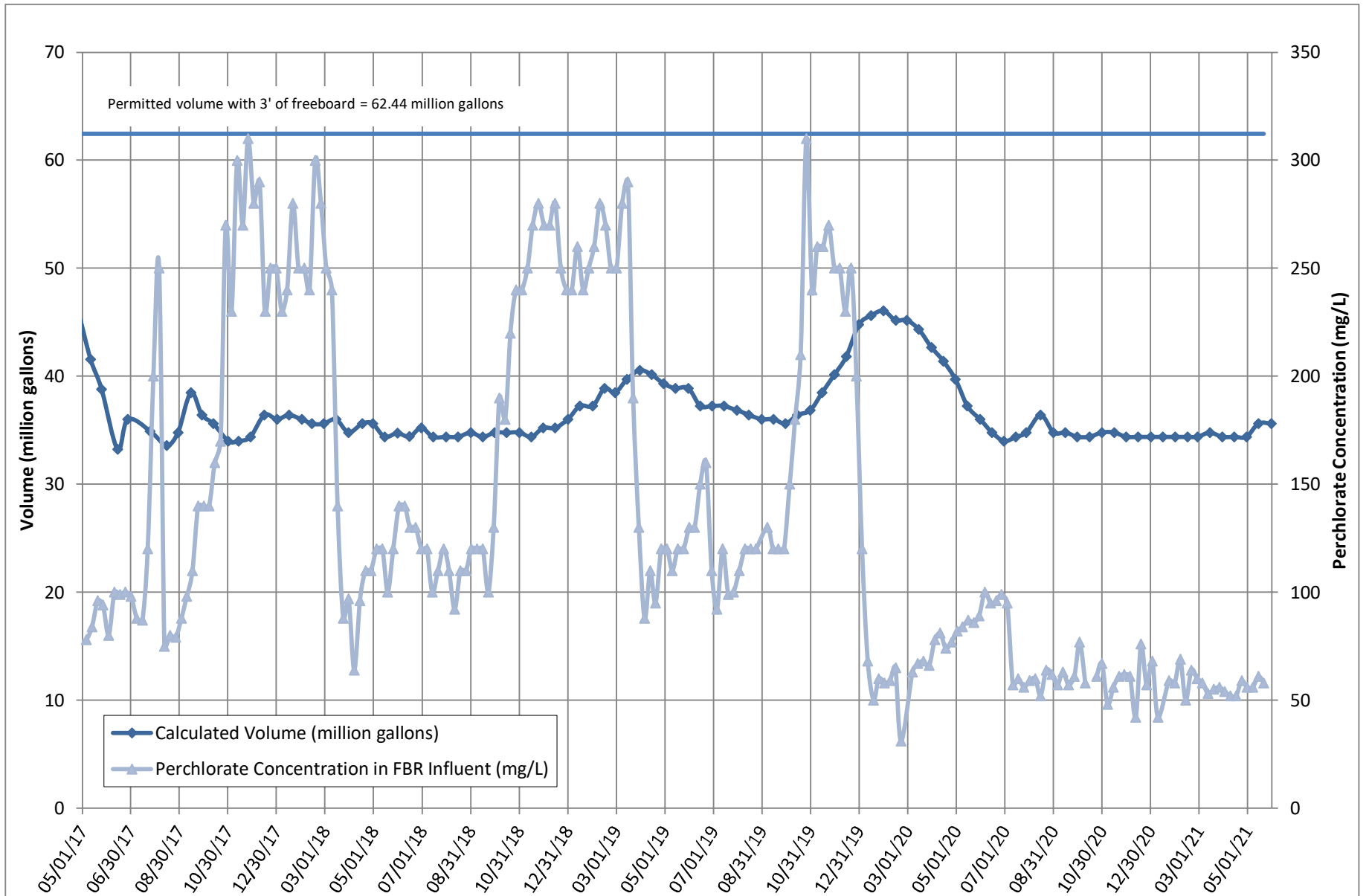
3: FBR loading calculated as $[(0.9 \times \text{NO}_3 \text{ as N} + 0.17 \times \text{ClO}_3 + 0.18 \times \text{ClO}_4) \times \text{Flow} \times 1440 / 1000000 \times 8.34]$.

Table 7 - AP Area Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E1-1		E1-2		E1-3		E2-1		E2-2		E2-3		E2-4		E2-5	
	Flow ¹ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ² (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
05/01/21	2.4	1712.71	0.96	1712.31	0.67	1710.54	0.68	1717.04	1.2	1715.04	1.3	1716.90	1.4	1714.20	0.33	1716.61
05/02/21	2.4	1713.22	0.95	1710.85	0.72	1710.66	0.66	1716.51	1.2	1714.78	1.3	1716.42	1.3	1714.57	0.32	1716.37
05/03/21	2.4	1713.13	0.94	1709.76	0.72	1709.77	0.68	1715.62	1.2	1713.97	1.3	1715.05	1.3	1713.13	0.32	1715.77
05/04/21	2.4	1709.99	0.93	1709.84	0.73	1710.40	0.69	1717.02	1.2	1714.64	1.3	1715.90	1.2	1716.06	0.34	1715.47
05/05/21	2.4	1711.48	0.92	1709.56	0.72	1712.47	0.65	1714.17	1.2	1714.72	1.3	1715.50	1.2	1715.51	0.34	1716.42
05/06/21	2.4	1710.88	0.94	1709.81	0.72	1710.27	0.64	1716.43	1.2	1714.47	1.4	1715.37	1.3	1714.71	0.35	1716.14
05/07/21	2.4	1709.93	0.93	1709.86	0.71	1713.52	0.73	1716.56	0.09	1722.02	1.4	1717.15	1.3	1714.73	0.38	1716.68
05/08/21	2.3	1710.68	0.95	1710.18	0.70	1711.07	0.76	1716.17	0.00	1721.90	1.4	1716.40	1.3	1713.69	0.36	1716.87
05/09/21	2.3	1710.83	0.93	1711.24	0.68	1712.51	0.67	1715.15	0.00	1721.73	1.3	1714.43	1.3	1714.46	0.32	1716.55
05/10/21	2.3	1710.18	0.94	1709.84	0.69	1711.91	0.82	1717.17	0.00	1721.24	1.3	1716.50	1.3	1716.96	0.34	1717.37
05/11/21	2.4	1710.76	0.93	1710.24	0.68	1713.35	0.83	1711.87	0.00	1722.50	1.2	1718.75	1.3	1717.36	0.36	1717.95
05/12/21	2.4	1710.81	0.93	1709.62	0.67	1710.01	0.75	1712.41	1.2	1712.81	1.3	1710.00	1.3	1713.68	0.35	1715.46
05/13/21	2.4	1710.18	0.94	1709.54	0.69	1709.77	0.85	1724.97	1.4	1722.41	0.73	1716.75	1.3	1713.80	0.33	1715.41
05/14/21	2.3	1709.62	0.92	1709.85	0.70	1710.31	0.93	1706.02	1.0	1720.19	0.40	1715.90	1.2	1713.83	0.31	1715.44
05/15/21	2.5	1710.63	0.9	1710.15	0.73	1709.82	0.99	1708.89	0.89	1718.90	0.61	1714.72	1.2	1713.65	0.30	1715.81
05/16/21	2.4	1710.86	0.94	1710.29	0.72	1711.67	1.0	1711.11	1.3	1717.77	0.60	1714.88	1.2	1714.33	0.27	1715.54
05/17/21	2.4	1710.32	0.94	1710.71	0.69	1710.05	1.0	1708.07	1.2	1717.41	0.56	1722.05	1.1	1713.86	0.28	1714.07
05/18/21	2.4	1710.68	0.94	1710.23	0.68	1710.77	0.73	1717.37	1.2	1715.37	1.0	1718.30	1.2	1714.11	0.33	1715.45
05/19/21	2.4	1709.78	0.93	1709.86	0.66	1710.34	0.75	1716.42	1.2	1717.22	1.0	1720.40	1.2	1716.79	0.34	1716.57
05/20/21	2.4	1709.73	0.94	1709.81	0.68	1710.42	0.74	1717.32	1.1	1715.62	1.1	1718.15	1.2	1716.66	0.31	1716.22
05/21/21	2.4	1709.63	0.95	1709.75	0.70	1709.97	0.83	1714.52	1.0	1718.67	1.1	1720.15	0.91	1717.19	0.31	1715.87
05/22/21	2.6	1709.71	1.0	1709.68	0.78	1710.15	0.86	1714.60	1.1	1719.48	1.3	1717.93	1.3	1717.04	0.32	1716.96
05/23/21	2.2	1710.21	0.89	1709.71	0.69	1710.60	0.75	1716.24	0.85	1719.44	1.1	1715.21	1.0	1716.98	0.29	1717.62
05/24/21	2.4	1709.83	0.94	1709.71	0.74	1710.17	0.78	1717.97	0.96	1719.22	1.2	1717.95	1.1	1717.71	0.34	1717.72
05/25/21	2.4	1710.58	0.92	1709.69	0.71	1709.87	0.95	1712.92	1.3	1714.87	1.2	1716.95	1.1	1716.92	0.29	1716.77
05/26/21	2.2	1715.73	1.0	1709.66	0.78	1710.42	1.1	1712.32	1.4	1715.07	1.3	1715.80	1.2	1717.26	0.34	1716.42
05/27/21	2.3	1712.93	0.25	1710.31	0.75	1710.47	0.96	1713.52	1.3	1714.32	1.3	1715.60	1.1	1716.93	0.31	1717.09
05/28/21	2.3	1711.78	1.6	1709.66	0.67	1709.82	0.94	1712.52	1.3	1714.12	1.3	1714.61	1.2	1714.91	0.33	1714.87
05/29/21	2.4	1712.76	0.96	1709.81	0.82	1710.15	0.80	1714.24	1.3	1714.02	0.90	1715.92	1.2	1714.59	0.33	1714.65
05/30/21	2.4	1711.40	0.96	1713.39	0.75	1709.75	0.79	1716.89	1.3	1715.39	0.84	1719.41	1.2	1715.36	0.33	1716.83
05/31/21	2.3	1711.88	0.93	1711.52	0.74	1710.92	0.77	1716.92	1.3	1715.19	1.1	1715.07	1.2	1714.91	0.33	1716.33
Monthly Average	2.4	1711.06	0.94	1710.21	0.71	1710.71	0.81	1714.80	1.0	1717.24	1.1	1716.58	1.2	1715.35	0.33	1716.23
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	5/10/2021	1,000	5/10/2021	400	5/10/2021	110	5/10/2021	410	5/17/2021	790	5/10/2021	920	5/10/2021	1,300	5/10/2021
Hexavalent Chromium	0.068	B 5/10/2021	0.46	B 5/10/2021	0.66	B 5/10/2021	0.030	B 5/10/2021	0.026	5/17/2021	0.073	B 5/10/2021	0.083	B 5/10/2021	0.18	B 5/10/2021
Total Chromium	0.063	5/10/2021	0.43	5/10/2021	0.65	5/10/2021	0.028	5/10/2021	0.026	5/17/2021	0.066	5/10/2021	0.075	5/10/2021	0.17	5/10/2021

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 The flow rate at individual wells is adjusted daily to maintain the water level in the wells above the pump.
 B = Compound was found in the blank and sample.
 1: Analytical results are reported from Eurofins TestAmerica.
 2: On 05/25, E1-1 offline briefly due to maintenance.
 3: On 05/07, E2-2 offline due to maintenance until 05/11.
 4: Duplicates taken on 05/10 for well E2-3; 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

