

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																											
Date	LS #1 Flow (gpm)	East Well (PC-116R)		Center Well (PC99R3)		West Well (PC-115R)		PC 117		PC 118		PC 119		PC 120		PC 121		PC 133									
		Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>5</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>7</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>8</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>10</sup> (gpm)	Water Elevation (ft amsl)								
01/01/17	720	154	1539.9	77	1544.0	112	1544.3	114	1539.9	75	1548.3	57	1550.3	0.00	1552.2	0.00	1552.0	0.00	1520.0								
01/02/17	714	154	1539.8	77	1544.0	111	1544.2	115	1539.8	67	1548.2	56	1550.2	0.00	1552.1	0.00	1551.9	0.00	1520.0								
01/03/17	623	154	1539.9	77	1543.9	111	1544.2	113	1539.8	53	1548.9	56	1550.3	0.00	1552.1	0.00	1551.9	4.9	1520.0								
01/04/17	701	153	1539.9	77	1543.8	110	1544.2	110	1539.8	53	1548.9	56	1550.3	0.00	1552.1	0.00	1551.9	9.0	1520.0								
01/05/17	703	151	1539.9	75	1544.0	109	1544.2	111	1539.8	51	1548.8	55	1550.3	0.00	1552.1	0.00	1551.9	10	1520.0								
01/06/17	764	154	1539.8	77	1544.0	111	1544.1	114	1539.7	52	1548.8	56	1550.2	0.00	1552.0	0.00	1551.8	4.2	1520.0								
01/07/17	760	154	1539.8	77	1543.8	110	1544.1	114	1539.7	52	1548.7	56	1550.1	0.00	1552.0	0.00	1551.8	0.00	1520.0								
01/08/17	755	155	1539.8	77	1543.9	112	1544.0	114	1539.6	53	1548.7	56	1550.1	0.00	1551.9	0.00	1551.7	0.00	1520.0								
01/09/17	732	153	1539.8	77	1543.9	110	1544.0	113	1539.6	52	1548.7	56	1550.1	0.00	1551.9	0.00	1551.7	0.00	1520.0								
01/10/17	725	153	1539.7	77	1543.9	110	1544.0	113	1539.6	52	1548.7	55	1550.1	0.00	1551.9	0.00	1551.7	5.5	1520.0								
01/11/17	717	154	1539.7	77	1543.8	111	1544.0	113	1539.6	52	1548.6	56	1550.1	0.00	1551.9	0.00	1551.6	19	1520.0								
01/12/17	678	149	1539.7	75	1543.6	108	1543.9	111	1539.5	51	1548.6	55	1550.0	0.00	1551.8	0.00	1551.6	20	1520.0								
01/13/17	666	157	1539.7	78	1543.6	113	1543.9	115	1539.5	53	1548.6	57	1550.0	0.00	1551.8	0.00	1551.6	19	1520.0								
01/14/17	657	153	1539.7	77	1543.7	111	1543.9	114	1539.5	52	1548.5	56	1549.9	0.00	1551.7	0.00	1551.5	14	1520.0								
01/15/17	683	154	1539.6	77	1543.8	112	1543.8	114	1539.4	52	1548.5	56	1549.9	4.2	1551.7	0.00	1551.5	0.00	1520.0								
01/16/17 <sup>2</sup>	357	104	1539.5	65	1543.4	75	1543.6	78	1539.3	36	1548.2	38	1549.4	2.7	1548.1	0.69	1551.0	9.6	1520.0								
01/17/17	469	153	1540.2	99	1543.3	110	1544.0	114	1539.8	52	1548.7	56	1550.0	0.00	1551.8	0.00	1551.6	10	1520.0								
01/18/17	450	153	1540.0	100	1543.1	111	1543.9	113	1539.6	52	1548.5	56	1549.9	0.00	1551.7	2.8	1551.5	14	1520.0								
01/19/17	487	155	1539.9	101	1542.9	112	1543.8	115	1539.5	53	1548.5	57	1549.9	0.00	1551.7	0.00	1551.5	23	1520.0								
01/20/17	728	148	1539.8	96	1543.1	107	1543.8	111	1539.5	71	1548.5	54	1549.9	0.00	1551.7	2.7	1551.4	20	1520.0								
01/21/17 <sup>3</sup>	834	154	1539.8	101	1543.0	111	1543.6	114	1539.5	67	1547.6	56	1549.7	0.00	1551.5	0.00	1551.4	18	1520.0								
01/22/17	858	152	1539.7	101	1542.9	110	1543.7	113	1539.4	60	1548.1	56	1549.7	0.00	1551.5	0.00	1551.3	17	1520.0								
01/23/17	813	134	1539.8	70	1542.9	97	1543.7	99	1539.5	53	1548.2	49	1549.8	0.00	1551.6	0.00	1551.4	14	1520.0								
01/24/17 <sup>4</sup>	813	134	1539.7	70	1543.9	97	1543.7	99	1539.4	53	1548.1	49	1549.8	0.00	1551.6	0.00	1551.4	14	1520.0								
01/25/17	936	152	1539.7	74	1543.8	110	1543.6	114	1539.4	60	1548.1	56	1549.7	0.00	1551.5	0.00	1551.3	14	1520.0								
01/26/17	934	147	1539.7	71	1543.7	106	1543.6	109	1539.4	59	1548.1	54	1549.7	0.00	1551.5	0.00	1551.3	14	1520.0								
01/27/17	929	154	1539.7	74	1543.8	111	1543.6	115	1539.3	61	1548.1	56	1549.7	0.00	1551.5	0.00	1551.3	14	1520.0								
01/28/17	938	151	1539.7	73	1543.9	110	1543.6	113	1539.3	60	1548.1	55	1549.7	0.00	1551.5	0.00	1551.3	13	1520.0								
01/29/17	938	151	1539.7	73	1543.8	110	1543.6	113	1539.4	60	1548.1	55	1549.7	0.00	1551.6	0.00	1551.4	13	1520.0								
01/30/17	936	153	1539.7	74	1543.7	110	1543.7	113	1539.4	60	1548.1	56	1549.8	0.00	1551.6	0.00	1551.4	13	1520.0								
01/31/17	938	152	1539.7	73	1543.8	110	1543.7	113	1539.4	61	1548.1	55	1549.8	0.00	1551.6	0.00	1551.4	13	1520.0								
Monthly Average	741	150	1539.8	80	1543.6	108	1543.9	111	1539.5	56	1548.4	55	1549.9	0.22	1551.7	0.20	1551.5	11	1520.0								
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						
Perchlorate	17		1/16/2017	19		1/16/2017	14		1/16/2017	8.8		1/16/2017	7.3		1/16/2017	1.0		1/16/2017	0.074		1/16/2017	0.047		1/16/2017	3.6		1/16/2017
Hexavalent Chromium	0.0019		1/16/2017	ND		1/16/2017	ND		1/16/2017	0.00094		1/16/2017	ND		1/16/2017	ND		1/16/2017	ND		1/16/2017	ND		1/16/2017	ND		1/16/2017
Total Chromium	ND		1/16/2017	0.018		1/16/2017	ND		1/16/2017	ND		1/16/2017	ND		1/16/2017	0.11		1/16/2017	ND		1/16/2017	ND		1/16/2017	ND		1/16/2017

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).  
 1: Analytical results are reported from TestAmerica.  
 2: On 1/16, LS #1 and SWF wells were down due to flow meter upgrades.  
 3: On 1/21 to 1/23, LS #1 flow was adjusted due to water level in wet well.  
 4: On 1/24, data measurements were changed from being collected near 6:30 a.m. to near midnight. The flow rates for 1/23 and 1/24 were calculated by averaging the totalizer readings on 1/23 and 1/24.  
 5: Center Well PC 99R3 flow was inadvertently increased on 1/17 after testing the ion exchange system. On 1/23, flow was decreased to match previous flow rate.  
 6: Duplicates taken on 1/16 for PC-117; average of both values is presented and used for calculation purposes.  
 7: On 1/2, well PC 118 flow was decreased to prevent a high level wet alarm at LS #1.  
 8: On 1/15 and 1/16, PC 120 and PC 121 were turned on to purge for well sampling.  
 9: On 1/18 and 1/20, PC 121 maximum sustained flow was checked as directed by the Trust.  
 10: From 12/30 to 1/15, PC 133 was cycling. Maintenance was performed from 1/16 to 1/17 to help stabilize flow.

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																								
Date	LS #3	ART 1A/1B		ART 2A/2B		ART 3A/3B		ART 4A/4B		ART 6/9		ART 7A/7B		ART 8A/8B		PC-150								
	Flow <sup>5</sup> (gpm)	Flow <sup>6,7</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6</sup> (gpm)	Water Elevation <sup>2</sup> (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>8</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)							
01/01/17	469	29	1588.4	114	1588.0	36	1585.6	4.9	< 1575.0	70	1576.8	23	1579.7	147	1583.4	1.4	1584.2							
01/02/17	469	29	1588.3	115	1588.0	36	1585.5	4.9	< 1575.0	69	1576.0	22	1579.7	147	1583.4	2.1	1584.6							
01/03/17	468	29	1588.3	115	1587.9	36	1585.5	5.6	< 1575.0	69	1576.0	22	1579.6	146	1583.3	1.4	1584.2							
01/04/17	405	27	1588.3	96	1587.9	34	1585.5	4.9	< 1575.0	67	1577.4	22	1579.7	137	1583.3	1.4	1584.5							
01/05/17	469	29	1588.4	109	1588.0	36	1585.6	4.8	< 1575.0	67	1577.0	23	1579.7	146	1583.4	1.4	1584.1							
01/06/17	469	29	1588.2	108	1587.8	36	1585.4	4.9	< 1575.0	67	1577.6	22	1579.7	147	1583.2	1.4	1584.2							
01/07/17	469	29	1588.2	109	1587.8	35	1585.4	4.9	< 1575.0	67	1578.2	22	1579.6	147	1583.2	1.4	1584.2							
01/08/17	468	29	1588.1	109	1587.8	36	1585.4	4.9	< 1575.0	66	1577.4	22	1579.7	146	1583.2	1.4	1584.6							
01/09/17	469	29	1588.1	110	1587.7	35	1585.4	4.9	< 1575.0	66	1576.3	22	1579.7	147	1583.1	1.4	1584.6							
01/10/17	469	30	1588.1	117	1587.7	35	1585.4	4.1	< 1575.0	66	1576.6	22	1579.7	146	1583.1	1.4	1584.6							
01/11/17	469	29	1588.0	118	1587.7	35	1585.3	4.2	< 1575.0	66	1580.3	22	1579.7	147	1583.1	1.4	1584.3							
01/12/17	469	29	1588.0	117	1587.6	35	1585.3	3.9	< 1575.0	65	1578.2	23	1579.7	146	1583.1	1.3	1584.4							
01/13/17	409	35	1588.0	117	1587.6	35	1585.3	3.7	< 1575.0	66	1578.0	22	1579.7	139	1583.0	1.5	1584.5							
01/14/17	376	36	1588.2	118	1588.0	36	1585.4	4.2	< 1575.0	65	1577.6	22	1579.7	125	NM	1.4	1584.4							
01/15/17	391	37	1588.0	117	1587.6	35	1585.3	4.2	< 1575.0	65	1576.3	22	1579.7	147	1583.0	1.4	1584.6							
01/16/17	391	36	1587.9	118	1587.5	35	1585.2	4.1	< 1575.0	64	1578.3	22	1579.7	146	1583.0	0.69	1584.4							
01/17/17	389	37	1587.8	117	1587.5	34	1585.2	4.2	< 1575.0	65	1577.1	22	1579.7	147	1582.9	1.4	1584.4							
01/18/17	374	36	1587.8	117	1587.4	35	1585.2	4.2	< 1575.0	64	1577.1	22	1579.7	146	1582.9	1.4	1584.2							
01/19/17	402	37	1587.8	118	1587.4	34	1585.2	4.2	< 1575.0	63	1577.2	22	1579.7	146	1582.9	1.4	1584.4							
01/20/17	386	37	1587.7	117	1587.4	34	1585.1	4.1	< 1575.0	63	1580.0	23	1579.6	147	1582.8	1.4	1583.9							
01/21/17	380	31	1587.7	117	1587.3	34	1585.1	4.9	< 1575.0	63	1578.6	22	1579.7	146	1582.8	0.70	1584.7							
01/22/17	371	19	NM	117	1587.4	35	1585.1	4.2	< 1575.0	63	1576.4	22	1579.7	136	1582.8	1.4	1584.3							
01/23/17	334	28	NM	101	1587.4	30	1585.1	3.5	< 1575.0	54	1576.9	19	1579.7	101	1582.8	0.69	1584.4							
01/24/17 <sup>3</sup>	334	28	1587.6	101	1587.3	30	1585.0	3.5	< 1575.0	54	1577.7	19	1579.6	101	1582.7	0.69	1584.5							
01/25/17	385	37	1587.6	117	1587.2	34	1585.0	4.2	< 1575.0	63	1576.4	22	1579.7	117	1582.7	1.4	1583.9							
01/26/17 <sup>4</sup>	385	31	1587.5	113	1587.2	33	1585.0	4.1	< 1575.0	60	1578.9	21	1579.6	128	1582.7	1.1	1584.2							
01/27/17	383	34	1587.5	109	1587.2	34	1584.9	4.1	< 1575.0	61	1578.4	20	1579.6	142	1582.6	0.68	1584.5							
01/28/17	385	35	1587.5	110	1587.1	33	1584.9	4.6	< 1575.0	61	1576.3	21	1579.6	144	1582.6	1.1	1584.5							
01/29/17	385	35	1587.5	110	1587.1	33	1584.9	4.6	< 1575.0	61	1578.2	21	1579.6	144	1582.6	1.1	1584.4							
01/30/17	383	35	1587.4	110	1587.1	33	1584.9	4.9	< 1575.0	61	1579.3	21	1579.6	143	1582.6	1.4	1584.6							
01/31/17	382	35	1587.4	110	1587.1	33	1584.9	4.9	< 1575.0	61	1578.6	21	1579.7	144	1582.5	0.69	1583.9							
Monthly Average	413	32	1587.9	113	1587.5	34	1585.2	4.4	< 1575.0	64	1577.6	22	1579.7	140	1583.0	1.2	1584.4							
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						
Perchlorate	17		1/16/2017	16		1/16/2017	230		1/16/2017	280		1/16/2017	250		1/16/2017	95		1/16/2017	98		1/16/2017	190		1/16/2017
Hexavalent Chromium	ND		1/16/2017	0.0034		1/16/2017	0.30		1/16/2017	0.33		1/16/2017	0.81		1/16/2017	0.50		1/16/2017	0.085		1/16/2017	0.20		1/16/2017
Total Chromium	ND		1/16/2017	0.0048		1/16/2017	0.33		1/16/2017	0.37		1/16/2017	0.78		1/16/2017	0.51		1/16/2017	0.087		1/16/2017	0.20		1/16/2017

Notes:

Flow reported as gpm is a daily average calculated from the totalizer reading.

NM = No measurement.

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 RL but greater than or equal to the MDL and the concentration is an approximate value. Indicates an Estimated Value for TICs.

1: Analytical results are reported from 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: On 1/24, data measurements were changed from being collected near 6:30 a.m. to near midnight. The flow rates for 1/23 and 1/24 were calculated by averaging the totalizer readings on 1/23 and 1/24.

4: On 1/26, AWF totalizers were reset.

5: On 1/4, LS #3 flow decreased due to a loss of communication at LS #3 and LS #2.

6: On 1/4, flows decreased in ART 1A, ART 2A, ART 3A, ART 4A, and ART 8A due to the check valve on Pump 1 at LS #3 not sealing completely.

7: On 1/21, flow for well ART 1A switched to backup well ART 1B due to VFD fault at 10:09 a.m. Repairs were made and flow switched back to ART 1A on 1/23 at 10:30 a.m.

8: On 1/14, flow for well ART 8A switched to backup well ART 8B at 3:47AM. Flow switched back to ART 8A on 1/14 at 11:12AM.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow <sup>4</sup> (gpm)	Water Elevation <sup>2</sup> (ft amsl)	Flow <sup>5, 6, 7</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>8</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>8</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6, 9</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>6, 7, 10</sup> (gpm)	Water Elevation <sup>2</sup> (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation <sup>2</sup> (ft amsl)
01/01/17	0.18	< 1714.0	1.2	1713.8	0.00	1721.6	0.00	1723.4	0.00	1724.9	1.0	1709.6	5.1	< 1710.0	2.6	1722.0	1.6	1708.0	4.2	< 1705.0
01/02/17	0.20	< 1714.0	1.2	1713.9	0.00	1721.6	0.00	1723.4	0.00	1724.9	1.0	1709.8	5.0	< 1710.0	2.6	1721.9	1.6	1708.0	4.2	< 1705.0
01/03/17	0.20	< 1714.0	1.1	1714.2	0.00	1721.6	0.00	1723.4	0.00	1724.9	1.0	1710.0	4.9	< 1710.0	2.6	1721.9	1.6	1708.0	4.2	< 1705.0
01/04/17	0.18	< 1714.0	1.3	1712.6	0.00	1721.6	0.00	1723.4	0.00	1724.9	1.0	1709.9	4.9	< 1710.0	2.6	1721.9	1.6	1708.0	4.3	< 1705.0
01/05/17	0.14	< 1714.0	0.72	1712.7	0.00	1721.7	0.00	1723.5	0.00	1725.0	1.1	1709.9	4.9	< 1710.0	2.4	1721.9	1.6	1708.0	4.6	< 1705.0
01/06/17	0.23	< 1714.0	0.70	1720.4	0.00	1721.8	0.00	1723.4	0.00	1724.9	1.1	1709.7	5.0	< 1710.0	2.3	1721.9	1.6	1708.1	4.7	< 1705.0
01/07/17	0.32	< 1714.0	0.70	1720.7	0.00	1721.9	0.00	1723.4	0.00	1724.9	1.1	1709.7	5.0	< 1710.0	2.3	1721.9	1.6	1708.1	4.7	< 1705.0
01/08/17	0.32	< 1714.0	0.70	1720.9	0.00	1721.9	0.00	1723.4	0.00	1724.9	1.2	1709.8	5.0	< 1710.0	2.3	1722.0	1.6	1708.1	4.7	< 1705.0
01/09/17	0.32	< 1714.0	0.70	1721.0	0.00	1721.9	0.00	1723.5	0.00	1725.0	1.2	1709.8	5.0	< 1710.0	2.3	1722.0	1.6	1708.1	4.7	< 1705.0
01/10/17	0.32	< 1714.0	0.81	1721.1	0.00	1722.0	0.00	1723.5	0.00	1725.0	1.1	1710.0	4.4	< 1710.0	2.3	1722.0	1.6	1708.1	4.7	< 1705.0
01/11/17	0.30	< 1714.0	0.82	1721.1	0.00	1721.9	0.00	1723.5	0.00	1725.0	1.0	1709.9	4.2	1715.6	2.3	1722.1	1.6	1708.1	4.7	< 1705.0
01/12/17	0.22	< 1714.0	0.56	1721.1	0.00	1721.8	0.00	1723.5	0.00	1725.0	1.1	1709.6	3.8	1715.6	2.2	1722.1	1.8	1708.1	4.4	< 1705.0
01/13/17	0.26	< 1714.0	0.47	1721.4	0.00	1721.9	0.00	1723.5	0.00	1725.0	1.1	1709.6	3.8	1718.0	2.5	1722.1	1.9	1708.1	5.0	< 1705.0
01/14/17	0.23	< 1714.0	0.47	1721.4	0.00	1721.9	0.00	1723.5	0.00	1725.0	1.1	1709.7	3.7	1718.1	2.3	1722.2	1.9	1708.1	4.7	< 1705.0
01/15/17	0.22	< 1714.0	0.47	1721.4	0.00	1721.9	0.00	1723.5	0.00	1725.0	1.1	1709.9	3.8	1718.4	2.3	1722.3	1.9	1708.1	4.7	< 1705.0
01/16/17	0.23	< 1714.0	0.47	1721.5	0.00	1722.0	0.00	1723.5	0.00	1725.0	1.1	1709.9	3.7	1718.4	2.3	1722.3	1.8	1708.1	4.7	< 1705.0
01/17/17	0.22	< 1714.0	0.47	1721.5	0.00	1722.0	0.00	1723.5	0.00	1725.0	1.1	1709.7	3.7	1718.6	2.3	1722.4	1.8	1708.2	4.7	< 1705.0
01/18/17	0.22	< 1714.0	0.47	1721.5	0.02	1722.0	0.01	1723.5	0.03	1725.0	1.1	1709.9	4.5	1718.7	2.3	1722.4	1.9	1708.2	4.7	< 1705.0
01/19/17	0.23	< 1714.0	0.47	1721.5	0.00	1721.9	0.00	1723.6	0.00	1725.1	1.0	1709.6	4.7	1715.6	2.3	1722.4	1.9	1708.2	4.7	< 1705.0
01/20/17	0.23	< 1714.0	0.47	1721.6	0.00	1721.9	0.00	1723.6	0.00	1725.1	1.00	1709.8	4.7	1715.5	2.3	1722.4	1.9	1708.2	4.7	< 1705.0
01/21/17	0.23	< 1714.0	0.47	1721.5	0.00	1721.8	0.00	1723.6	0.00	1725.1	0.99	1709.8	4.7	1715.4	2.3	1722.4	1.9	1708.2	4.7	< 1705.0
01/22/17	0.23	< 1714.0	0.47	1721.5	0.00	1721.8	0.00	1723.5	0.00	1725.1	0.99	1709.8	4.7	1715.3	2.3	1722.4	1.9	1708.2	4.7	< 1705.0
01/23/17	0.21	< 1714.0	0.49	1721.5	0.00	1721.8	0.00	1723.6	0.00	1725.1	0.86	1709.7	3.2	1715.7	2.0	1722.4	1.6	1708.2	3.7	< 1705.0
01/24/17 <sup>3</sup>	0.21	< 1714.0	0.49	1718.8	0.00	1721.7	0.00	1723.6	0.00	1725.1	0.86	1709.8	3.2	1717.1	2.0	1722.5	1.6	1708.3	3.7	< 1705.0
01/25/17	0.23	< 1714.0	1.2	1715.8	0.00	1721.6	0.00	1723.5	0.00	1725.1	0.98	1709.8	3.7	1717.5	2.0	1722.5	1.9	1708.3	3.7	< 1705.0
01/26/17	0.23	< 1714.0	1.2	1714.4	0.00	1721.6	0.00	1723.5	0.00	1725.1	0.98	1709.7	3.7	1717.6	1.9	1722.5	1.9	1708.3	3.7	< 1705.0
01/27/17	0.28	< 1714.0	1.2	1713.7	0.00	1721.6	0.00	1723.5	0.00	1725.1	0.98	1709.8	3.7	1717.7	1.9	1722.5	1.9	1708.3	3.8	< 1705.0
01/28/17	0.29	< 1714.0	1.2	1713.1	0.00	1721.5	0.00	1723.6	0.00	1725.1	0.98	1709.7	3.7	1717.8	1.9	1722.6	1.9	1708.4	3.7	< 1705.0
01/29/17	0.29	< 1714.0	1.2	1712.9	0.00	1721.5	0.00	1723.6	0.00	1725.1	0.98	1709.8	3.7	1717.9	1.9	1722.6	1.9	1708.4	3.7	< 1705.0
01/30/17	0.29	< 1714.0	1.2	1712.7	0.00	1721.5	0.00	1723.6	0.00	1725.1	0.97	1709.8	3.8	1717.8	1.9	1722.6	1.9	1708.4	3.7	< 1705.0
01/31/17	0.29	< 1714.0	1.2	1712.7	0.00	1721.5	0.00	1723.7	0.00	1725.1	0.96	1709.9	3.8	1717.9	1.9	1722.6	1.9	1708.4	3.8	< 1705.0
Monthly Average	0.24	< 1714.0	0.79	1718.2	0.00	1721.8	0.00	1723.5	0.00	1725.0	1.0	1709.8	4.3	1714.8	2.3	1722.2	1.8	1708.2	4.4	< 1705.0
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	370	1/18/2017	120	1/18/2017	210	1/18/2017	290	1/18/2017	170	1/18/2017	460	1/18/2017	620	1/18/2017	560	1/18/2017	590	1/18/2017	940	1/18/2017
Hexavalent Chromium	ND	1/18/2017	0.021	1/18/2017	ND	1/18/2017	1.9	1/18/2017	1.1	1/18/2017	0.058	1/18/2017	2.2	1/18/2017	5.2	1/18/2017	6.9	1/18/2017	11	1/18/2017
Total Chromium	0.055	1/18/2017	0.063	1/18/2017	0.023	1/18/2017	2.2	1/18/2017	1.3	1/18/2017	0.080	1/18/2017	2.3	1/18/2017	5.8	1/18/2017	8.6	1/18/2017	13	1/18/2017

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
  - ND = Not detected above laboratory method detection limit (Cr(VI) = 1.0 ug/L).
  - 1: Analytical results are reported from 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: On 1/24, data measurements were changed from being collected near 6:30 a.m. to near midnight. The flow rates for 1/23 and 1/24 were calculated by averaging the totalizer readings on 1/23 and 1/24.
  - 4: On 1/6, I-AR flow was increased to meet flow targets as directed by the Trust.
  - 5: On 1/4, I-AA, I-M, I-R, I-X, and I-Y flows were increased to meet flow targets as directed by the Trust.
  - 6: On 1/10, I-AA, I-B, I-C, I-M, I-R, and I-Y flows were adjusted to meet flow targets as directed by the Trust.
  - 7: On 1/24, I-AA, I-C, I-L, I-M, I-R, and I-Y flows were adjusted to meet flow targets as directed by the Trust.
  - 8: On 1/18, I-AC and I-AD were turned on to purge for sampling.
  - 9: On 1/5, I-B, I-R and I-Y flows were adjusted to meet flow targets as directed by the Trust.
  - 10: On 1/18, I-C, I-J, I-L, and I-R flows were adjusted to meet flow targets as directed by the Trust.

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow (gpm)	Water Elevation <sup>2</sup> (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>10</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>7,10</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5,6,7</sup> (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
01/01/17	0.14	< 1710.0	1.2	1709.1	4.9	1721.3	6.6	1707.1	3.3	1709.7	2.6	1712.6	1.6	1722.0	4.2	1717.9	0.27	1721.2	2.6	1709.5
01/02/17	0.14	< 1710.0	1.2	1709.1	4.7	1721.4	6.6	1707.1	3.3	1709.7	2.6	1712.6	1.6	1722.0	4.2	1718.1	0.36	1721.2	2.6	1710.2
01/03/17	0.14	< 1710.0	1.2	1709.0	4.7	1721.4	6.6	1707.1	3.3	1709.7	2.4	1712.9	1.7	1721.9	4.2	1718.2	0.36	1721.2	2.7	1709.4
01/04/17	0.14	< 1710.0	1.2	1709.1	4.7	1721.4	6.6	1707.1	3.3	1709.8	2.3	1713.3	1.9	1721.6	4.2	1718.3	0.35	1721.2	2.7	1709.3
01/05/17	0.14	< 1710.0	1.2	1709.1	4.6	1721.4	6.5	1707.1	3.4	1710.0	2.3	1714.4	1.7	1721.7	4.6	1718.3	0.38	1721.2	2.8	1709.3
01/06/17	0.14	< 1710.0	1.2	1709.1	4.7	1721.4	6.6	1707.1	3.3	1709.4	2.3	1717.0	1.6	1721.9	4.7	1718.4	0.35	1721.2	2.8	1709.4
01/07/17	0.15	1712.1	1.2	1709.1	4.7	1721.4	6.6	1707.1	3.3	1709.3	2.3	1717.9	1.6	1722.0	4.7	1718.5	0.31	1721.2	2.8	1709.3
01/08/17	0.15	1712.2	1.2	1709.1	4.7	1721.5	6.6	1707.1	3.3	1709.5	2.2	1718.6	1.6	1722.0	4.7	1718.6	0.31	1721.3	2.8	1709.3
01/09/17	0.15	1712.4	1.2	1709.1	4.7	1721.5	6.6	1707.1	3.4	1709.7	1.9	1719.4	1.6	1722.1	4.7	1718.6	0.31	1721.3	2.8	1709.4
01/10/17	0.15	1712.7	1.3	1709.1	4.7	1721.5	6.6	1707.1	3.7	1709.8	2.0	1719.8	1.9	1722.1	4.7	1718.7	0.31	1721.3	2.9	1710.3
01/11/17	0.15	1712.8	1.3	1709.1	4.7	1721.6	6.6	1707.1	3.8	1709.8	2.3	1714.2	1.9	1722.0	4.7	1718.7	0.31	1721.3	2.9	1709.3
01/12/17	0.15	1713.7	1.3	1709.1	4.7	1721.6	5.7	1707.1	3.7	1710.0	2.3	1713.9	1.5	1722.0	4.4	1718.8	0.33	1721.4	2.9	1709.3
01/13/17	0.15	1714.9	1.3	1709.1	4.7	1721.6	5.6	1707.1	3.8	1709.7	2.3	1714.8	1.8	1722.0	5.0	1718.8	0.26	1721.3	2.8	1709.6
01/14/17	0.15	1715.0	1.3	1709.1	4.7	1721.5	5.6	1707.1	3.8	1709.7	2.3	1715.4	1.6	1722.2	4.7	1718.9	0.26	1721.3	2.8	1709.8
01/15/17	0.15	1715.0	1.3	1709.0	4.7	1721.6	5.6	1707.1	3.8	1709.8	2.3	1715.8	1.5	1722.3	4.7	1718.9	0.27	1721.3	2.8	1709.7
01/16/17	0.15	1714.9	1.3	1709.1	4.7	1721.6	5.6	1707.1	3.7	1709.8	2.3	1716.1	1.4	1722.3	4.7	1719.0	0.28	1721.3	2.8	1709.6
01/17/17	0.15	1714.9	1.3	1709.1	4.7	1721.6	5.6	1707.1	3.7	1709.8	2.3	1716.4	1.4	1722.4	4.7	1719.0	0.29	1721.3	2.8	1709.9
01/18/17	0.15	1715.0	1.3	1709.1	4.7	1721.6	5.7	1707.1	3.8	1709.9	2.7	1717.0	1.4	1722.4	4.7	1719.1	0.33	1721.3	2.8	1709.7
01/19/17	0.15	1714.9	1.3	1709.0	4.7	1721.6	5.7	1707.1	3.8	1710.1	2.4	1711.5	1.4	1722.5	4.7	1719.1	0.29	1721.3	2.8	1710.3
01/20/17	0.15	1714.8	1.3	1709.0	4.9	1721.6	5.8	1707.1	3.8	1710.1	2.3	1711.5	1.4	1722.5	4.7	1719.2	0.30	1721.4	2.9	1709.3
01/21/17	0.15	1715.1	1.3	1709.1	5.6	1721.6	5.7	1707.1	3.7	1710.6	2.3	1711.4	1.4	1722.5	4.7	1719.2	0.24	1721.3	2.9	1709.9
01/22/17	0.15	1715.4	1.2	1709.1	5.6	1721.6	5.7	1707.1	3.7	1710.3	2.3	1711.5	1.4	1722.5	4.7	1719.2	0.24	1721.3	2.9	1709.6
01/23/17	0.14	1715.5	1.1	1709.1	4.8	1721.6	5.1	1707.1	3.2	1710.8	1.9	1711.5	1.2	1722.5	3.9	1719.2	0.21	1721.4	2.5	1709.8
01/24/17 <sup>3</sup>	0.14	1716.6	1.1	1709.1	4.8	1721.6	5.1	1707.1	3.2	1711.8	1.9	1711.5	1.2	1722.4	3.9	1719.3	0.21	1721.4	2.5	1709.3
01/25/17	0.16	1717.5	1.3	1709.1	5.6	1721.6	5.7	1707.1	3.7	1711.7	2.4	1711.5	1.5	1722.5	3.7	1719.3	0.23	1721.4	2.9	1709.6
01/26/17	0.16	1717.7	1.2	1709.1	5.6	1721.6	5.7	1707.1	3.7	1711.6	2.4	1711.5	1.4	1722.5	3.7	1719.3	0.19	1721.4	2.8	1709.3
01/27/17	0.16	1717.7	1.3	1709.1	5.6	1721.6	5.7	1707.1	3.8	1711.7	2.4	1711.5	1.4	1722.6	3.7	1719.3	0.23	1721.4	2.4	1719.4
01/28/17	0.16	1717.7	1.3	1709.1	5.6	1721.6	5.8	1707.1	3.7	1711.9	2.4	1711.5	1.4	1722.6	3.8	1719.3	0.22	1721.5	1.9	1719.7
01/29/17	0.16	1717.7	1.3	1709.1	5.6	1721.7	5.8	1707.1	3.7	1712.0	2.4	1711.5	1.4	1722.6	3.8	1719.3	0.22	1721.5	1.9	1719.8
01/30/17	0.16	1717.8	1.3	1709.0	5.6	1721.7	6.2	1707.1	3.7	1712.1	2.4	1711.5	1.4	1722.7	3.7	1719.4	0.22	1721.5	1.9	1719.9
01/31/17	0.16	1717.8	1.4	1709.0	5.6	1721.7	6.4	1707.1	3.8	1712.1	2.3	1711.5	1.4	1722.7	3.8	1719.4	0.21	1721.6	1.9	1720.0
Monthly Average	0.15	1714.3	1.2	1709.1	5.0	1721.5	6.0	1707.1	3.6	1710.4	2.3	1713.9	1.5	1722.3	4.4	1718.9	0.28	1721.3	2.7	1711.2
Analytical <sup>1</sup>	Conc (mg/L)	Date	Conc <sup>11</sup> (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	1,700	1/17/2017	1,600	1/17/2017	1000	1/18/2017	380	1/18/2017	330	1/18/2017	980	1/18/2017	990	1/18/2017	560	1/18/2017	1,100	1/17/2017	1,400	1/17/2017
Hexavalent Chromium	22	1/17/2017	18	1/17/2017	11	1/18/2017	3.6	1/18/2017	2.1	1/18/2017	0.21	1/18/2017	6.5	1/18/2017	5.9	1/18/2017	19	1/17/2017	18	1/17/2017
Total Chromium	23	1/17/2017	18	1/17/2017	11	1/18/2017	4.4	1/18/2017	2.1	1/18/2017	0.25	1/18/2017	7.6	1/18/2017	7.2	1/18/2017	18	1/17/2017	19	1/17/2017

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 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).  
 1: Analytical results are reported from 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: On 1/24, data measurements were changed from being collected near 6:30 a.m. to near midnight. The flow rates for 1/23 and 1/24 were calculated by averaging the totalizer readings on 1/23 and 1/24.  
 5: On 1/4, I-AA, I-M, I-R, I-X, and I-Y flows were increased to meet flow targets as directed by the Trust.  
 6: On 1/10, I-AA, I-B, I-C, I-M, I-R, and I-Y flows were adjusted to meet flow targets as directed by the Trust.  
 7: On 1/24, I-AA, I-C, I-L, I-M, I-R, and I-Y flows were adjusted to meet flow targets as directed by the Trust.  
 10: On 1/18, I-C, I-J, I-L, and I-R flows were adjusted to meet flow targets as directed by the Trust.  
 11: Duplicates taken on 01/17 for well I-H, average of both values is presented and used for calculation purposes.

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 (gpm)	Water Elevation (ft amsl)	Flow <sup>5 6 7 9 10 12</sup> (gpm)	Water Elevation <sup>2</sup> (ft amsl)	Flow (gpm)	Water Elevation <sup>2</sup> (ft amsl)	Flow (gpm)	Water Elevation <sup>2</sup> (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow <sup>13</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>2</sup> (gpm)	Water Elevation (ft amsl)	Flow <sup>5 6 7 9 14</sup> (gpm)	Water Elevation <sup>2</sup> (ft amsl)	Flow (gpm)	Water Elevation <sup>2</sup> (ft amsl)
01/01/17	0.59	1711.6	1.5	< 1707.0	5.2	< 1710.0	0.47	< 1705.0	0.83	1707.1	4.2	1718.6	0.20	1720.3	2.1	1712.8	1.9	< 1705.0	7.5	< 1710.0
01/02/17	0.59	1711.6	1.4	< 1707.0	5.2	< 1710.0	0.47	< 1705.0	0.83	1707.1	4.2	1718.6	0.21	1720.3	1.9	1712.9	1.9	< 1705.0	7.5	< 1710.0
01/03/17	0.59	1711.6	1.3	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.82	1707.1	4.2	1718.6	0.22	1720.3	1.9	1713.4	1.9	< 1705.0	7.5	< 1710.0
01/04/17	0.59	1711.6	1.5	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.82	1707.1	4.5	1718.7	0.23	1720.2	2.1	1712.6	1.9	< 1705.0	7.5	< 1710.0
01/05/17	0.59	1711.6	0.89	< 1707.0	4.6	< 1710.0	0.47	< 1705.0	0.83	1707.1	4.6	1718.8	0.17	1720.2	1.9	1713.1	1.9	< 1705.0	7.4	< 1710.0
01/06/17	0.59	1711.6	0.58	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.83	1707.2	4.7	1718.8	0.19	1720.3	1.9	1714.0	1.8	1711.8	7.5	< 1710.0
01/07/17	0.59	1711.6	0.47	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.84	1707.1	4.7	1718.9	0.21	1720.3	1.9	1714.2	1.6	1715.3	7.5	< 1710.0
01/08/17	0.59	1711.6	0.34	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.84	1707.2	4.7	1718.9	0.22	1720.3	1.9	1714.3	1.6	1715.6	7.5	< 1710.0
01/09/17	0.59	1711.6	0.25	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.84	1707.2	4.7	1719.0	0.23	1720.4	1.9	1714.4	1.4	1716.3	7.5	< 1710.0
01/10/17	0.61	1711.6	1.2	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.84	1707.2	4.7	1719.0	0.23	1720.4	1.9	1714.7	1.9	1716.6	7.5	< 1710.0
01/11/17	0.63	1711.6	1.9	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.84	1707.2	4.7	1719.1	0.23	1720.4	1.9	1714.8	1.9	< 1705.0	7.5	< 1710.0
01/12/17	0.68	1711.6	1.00	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.84	1707.2	4.7	1719.1	0.47	1720.4	1.8	1714.9	1.9	< 1705.0	7.5	< 1710.0
01/13/17	0.67	1711.6	0.70	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.84	1707.2	4.7	1719.0	0.70	1718.8	2.0	1714.9	1.9	1713.8	7.5	< 1710.0
01/14/17	0.68	1711.6	0.70	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.84	1707.2	4.7	1719.0	0.77	1718.7	1.9	1715.2	1.9	1714.0	7.5	< 1710.0
01/15/17	0.69	1711.6	0.70	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.84	1707.2	4.7	1719.0	0.82	1718.4	1.9	1715.3	1.5	1714.0	7.5	< 1710.0
01/16/17	0.70	1711.6	0.70	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.85	1707.2	4.7	1719.0	0.82	1718.4	1.9	1715.4	1.4	1716.1	7.5	< 1710.0
01/17/17	0.70	1711.6	0.70	< 1707.0	4.7	< 1710.0	0.47	< 1705.0	0.91	1707.1	4.7	1719.0	0.72	1718.4	1.9	1715.5	1.4	1716.0	7.5	< 1710.0
01/18/17	0.70	1711.6	1.7	< 1707.0	5.5	< 1710.0	0.47	< 1705.0	0.92	1707.2	4.7	1719.0	0.70	1718.8	1.9	1715.5	1.4	1716.6	7.5	< 1710.0
01/19/17	0.70	1711.7	1.9	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.92	1707.2	4.7	1719.1	0.70	1718.9	1.9	1715.6	1.4	1716.5	7.5	< 1710.0
01/20/17	0.70	1711.7	1.8	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.92	1707.2	4.7	1719.1	0.70	1719.0	1.9	1715.6	1.4	1716.6	7.5	< 1710.0
01/21/17	0.70	1711.6	1.6	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.91	1707.2	4.7	1719.1	0.70	1718.9	1.9	1715.7	1.1	1716.6	7.5	< 1710.0
01/22/17	0.70	1711.6	1.6	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.92	1707.2	4.7	1719.1	0.70	1718.9	1.9	1715.7	0.95	1717.4	7.5	< 1710.0
01/23/17	0.61	1711.6	1.3	< 1707.0	4.8	< 1710.0	0.41	< 1705.0	0.80	1707.2	3.6	1719.1	0.60	1719.0	1.5	1715.8	0.93	1717.3	6.4	< 1710.0
01/24/17 <sup>3</sup>	0.61	1711.7	1.3	< 1707.0	4.8	< 1710.0	0.41	< 1705.0	0.80	1707.2	3.6	1719.1	0.60	1718.7	1.5	1715.2	0.93	1708.9	6.4	< 1710.0
01/25/17	0.70	1711.7	1.4	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.94	1707.2	3.7	1719.1	0.81	1717.2	1.9	1715.3	1.7	1715.2	7.5	< 1710.0
01/26/17	0.70	1711.6	1.4	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.94	1707.2	3.7	1719.1	0.83	1716.4	1.9	1715.3	1.4	1715.8	7.5	< 1710.0
01/27/17	0.70	1711.6	1.4	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.94	1707.2	3.8	1719.1	0.93	1717.4	1.9	1715.4	1.4	1716.0	7.5	< 1710.0
01/28/17	0.70	1711.6	1.3	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.94	1707.2	3.7	1719.2	0.94	1717.8	1.9	1715.5	1.4	1716.8	7.5	< 1710.0
01/29/17	0.70	1711.6	1.3	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.94	1707.2	3.7	1719.2	0.94	1717.7	1.9	1715.6	1.4	1717.4	7.5	< 1710.0
01/30/17	0.70	1711.6	0.94	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.94	1707.2	3.7	1719.3	0.94	1718.1	1.9	1715.6	1.6	< 1705.0	7.5	< 1710.0
01/31/17	0.70	1711.6	0.94	< 1707.0	5.6	< 1710.0	0.47	< 1705.0	0.94	1707.2	3.8	1719.3	0.94	1718.1	1.9	1715.6	1.8	1709.9	7.5	< 1710.0
Monthly Average	0.65	1711.6	1.2	< 1707.0	5.1	< 1710.0	0.46	< 1705.0	0.87	1707.2	4.4	1719.0	0.57	1719.1	1.9	1714.8	1.6	1712.6	7.4	< 1710.0
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 <sup>5</sup> (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	1,500	1/17/2017	1,000	1/18/2017	660	1/18/2017	2,000	1/17/2017	2,100	1/18/2017	1,000	1/18/2017	1,200	1/17/2017	1,200	1/18/2017	1,800	1/18/2017	440	1/18/2017
Hexavalent Chromium	21	1/17/2017	0.14	1/18/2017	0.32	1/18/2017	23	1/17/2017	21	1/18/2017	17	1/18/2017	18	1/17/2017	8.4	1/18/2017	0.20	1/18/2017	9.3	1/18/2017
Total Chromium	20	1/17/2017	0.20	1/18/2017	0.37	1/18/2017	23	1/17/2017	23	1/18/2017	17	1/18/2017	18	1/17/2017	11	1/18/2017	0.20	1/18/2017	9.6	1/18/2017

- Notes:
- Flow reported as gpm is a daily average calculated from the totalizer reading.
  - 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).
  - 1: Analytical results are reported from 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: On 1/24, data measurements were changed from being collected near 6:30 a.m. to near midnight. The flow rates for 1/23 and 1/24 were calculated by averaging the totalizer readings on 1/23 and 1/24.
  - 5: On 1/4, I-AA, I-M, I-R, I-X, and I-Y flows were increased to meet flow targets as directed by the Trust.
  - 6: On 1/10, I-AA, I-B, I-C, I-M, I-R, and I-Y flows were adjusted to meet flow targets as directed by the Trust.
  - 7: On 1/24, I-AA, I-C, I-L, I-M, I-R, and I-Y flows were adjusted to meet flow targets as directed by the Trust.
  - 9: On 1/5, I-B, I-R and I-Y flows were adjusted to meet flow targets as directed by the Trust.
  - 10: On 1/18, I-C, I-J, I-L, and I-R flows were adjusted to meet flow targets as directed by the Trust.
  - 12: On 1/11, I-R flow was increased to meet flow targets as directed by the Trust.
  - 13: On 1/12, I-W was inadvertently off at 12:50 p.m. Well was restarted on 1/13 at 4:51 a.m.
  - 14: On 1/30, I-Y flow was increased to meet flow targets as directed by the Trust.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																	
Date	LS #2	GWTP Effluent				GW-11 Influent				FBR Plant Influent <sup>1</sup>							
	Flow <sup>2, 4, 5</sup> (gpm)	Flow <sup>3</sup> (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO <sub>2</sub> (mg/L)	Flow <sup>6</sup> (gpm)	Cr (TR) (mg/L)	Cr (VI) (mg/L)	ClO <sub>2</sub> (mg/L)	Flow <sup>6, 7</sup> (gpm)	TA - ClO <sub>2</sub> (mg/L)	ETI - ClO <sub>2</sub> (mg/L)	TA - ClO <sub>3</sub> (mg/L)	TA - SO <sub>4</sub> (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
01/01/17	938	77				0.00				1,015		79.82					
01/02/17	937	77				0.00				1,014		81.50					
01/03/17	937	76				0.00				1,013	100	78.77	170	1,600	9.4	0.039	0.040 B
01/04/17	920	79				0.00				998		79.39					
01/05/17	937	78	0.20	ND	870	0.00				1,016		74.80					
01/06/17	937	81				0.00				1,018		78.60					
01/07/17	938	81				0.00				1,019	100	77.00					
01/08/17	937	81				0.00				1,018		85.00					
01/09/17	938	80				0.00				1,018		84.00		11	0.089	0.093	
01/10/17	937	79				0.00				1,016		83.10					
01/11/17	938	84				0.00				1,022		80.50					
01/12/17	938	81	0.22	ND	860	0.00				1,018		79.70					
01/13/17	937	82				0.00				1,019		79.00					
01/14/17	923	80				0.00				1,003	92	81.00					
01/15/17	937	81				0.00				1,018		79.00					
01/16/17	810	82				858				916		60.00			7.3	0.072	0.028
01/17/17	937	82				200				1,020		71.00					
01/18/17	901	86				0.00	0.086	0.057	80	988		75.00					
01/19/17	974	86	0.37	ND	870	0.00				1,060		77.00					
01/20/17	926	78				0.00				1,004		79.00					
01/21/17	938	83				0.00				1,020	100	80.00					
01/22/17	937	85				0.00				1,021		75.00					
01/23/17	813	71				0.00				884		75.00					
01/24/17	813	71				0.00				884		73.00					
01/25/17	937	85				0.00				1,022		65.80		11	0.088	0.023	
01/26/17	938	86	0.17	ND	850	0.00				1,023		81.65					
01/27/17	931	84				0.00				1,016		75.65					
01/28/17	941	83				0.00				1,023	110	83.03					
01/29/17	941	82				0.00				1,023		82.68					
01/30/17	938	81				0.00				1,019		81.00					
01/31/17	938	84				0.00				1,022		84.30		11	0.069	0.059	
Monthly Average <sup>2</sup>	924	81	0.24	ND	862	34	0.086	0.057	80	1,005	100	78	170	1,600	9.9	0.074	0.049

Notes:

- Flow reported as gpm is a daily average calculated from the totalizer reading.
- 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 = TestAmerica data.
- 2: All average concentrations reported are monthly flow weighted averages.
- 3: On 1/24, data measurements were changed from being collected near 6:30 a.m. to near midnight. The flow rates for 1/23 and 1/24 were calculated by averaging the totalizer readings on 1/23 and 1/24.
- 4: On 1/4, LS #2 flow decreased due to a loss of communication at the lift stations.
- 5: On 1/21 to 1/23, adjustments were made to LS #1 causing flow in LS #2 to increase.
- 6: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 12/25 to 1/15 and from 1/17 to 1/31 due to FBR plant influent strainers clogging.
- 7: FBR Plant Influent flows estimated using LS #2 and GWTP from 1/1 to 1/15, and 1/17 to 1/31.

Table 4 - Treatment Plant Operational Metrics

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																
Date	1st Stage FBR Influent			2nd Stage FBR Influent			FBR Plant Effluent <sup>1</sup> *									
	Flow <sup>9</sup> (gpm)	pH <sup>9</sup> (s.u.)	ORP <sup>9</sup> (mV)	Flow <sup>9</sup> (gpm)	pH <sup>9</sup> (s.u.)	ORP <sup>9</sup> (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 - SO <sub>4</sub> (mg/L)	TA - NO <sub>3</sub> - N (mg/L)	ETI - Turbidity (NTU)	
01/01/17	996	7.1	-374	811	6.2	-435	965		ND						15	
01/02/17	996	7.1	-374	811	6.2	-435	972		ND						11	
01/03/17	1,073	7.7	-344	748	6.6	-391	981	ND		ND	0.0080	ND	1,600	ND	33	
01/04/17	1,080	7.6	-321	890	6.6	-389	968								13	
01/05/17	1,048	7.7	-221	931	6.7	-392	910								21	
01/06/17	1,072	7.7	-372	861	6.7	-401	961								28	
01/07/17	1,050	7.6	-374	867	6.6	-396	956	ND							21	
01/08/17	1,079	7.6	-351	900	6.6	-395	988								14	
01/09/17	1,047	7.6	-342	820	6.6	-396	987				0.030	ND		ND	15	
01/10/17	1,069	7.6	-177	968	6.6	-398	987								4	
01/11/17	1,061	7.6	-347	928	6.6	-401	982								18	
01/12/17	1,057	7.5	-193	859	6.6	-398	970								19	
01/13/17	1,040	7.5	-330	850	6.6	-399	962								6	
01/14/17	1,055	7.5	-246	910	6.6	-397	969	ND							4	
01/15/17	1,077	7.5	-354	909	6.6	-398	986								2	
01/16/17	1,049	8.0	-393	885	6.9	-409	930				0.017	ND		1.3 J	2	
01/17/17	1,055	7.6	-387	904	6.7	-408	961								54	
01/18/17	1,056	7.5	-377	740	6.6	-397	963								26	
01/19/17	1,093	7.5	-332	908	6.6	-396	963								12	
01/20/17	1,050	7.5	-373	848	6.6	-399	985								8	
01/21/17	1,098	7.5	-285	758	6.6	-399	970	ND							5	
01/22/17	1,064	7.5	-338	843	6.7	-399	986								3	
01/23/17	1,067	7.5	-376	787	6.6	-400	845								3	
01/24/17	1,048	7.5	-244	824	6.6	-400	845				0.034	ND		ND	3	
01/25/17	1,075	7.5	-251	835	6.6	-400	951								3	
01/26/17	1,059	7.3	-363	926	6.6	-394	979								7	
01/27/17	1,056	7.3	-390	825	6.6	-396	960								8	
01/28/17	1,094	7.3	-396	857	6.6	-396	972	ND							4	
01/29/17	1,064	7.3	-398	950	6.6	-400	973								7	
01/30/17	1,067	7.5	-375	913	6.6	-369	946								12	
01/31/17	1,068	7.7	-350	904	6.6	-384	981				0.013	ND		ND	19	
Monthly Average <sup>2</sup>	1060	7.5	-334	864	6.6	-399	960	ND	ND	ND	0.022	ND	1,600	0.29	13	

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.

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

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

3: On 1/24, data measurements were changed from being collected near 6:30 a.m. to near midnight. The flow rates for 1/23 and 1/24 were calculated by averaging the totalizer readings on 1/23 and 1/24.

8: 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.

9: On 1/1 and 1/2, lost communication with 1st and 2nd Stage FBR Influent instruments. Monthly average used for flow, pH, and ORP.

GW-11 Level Monitoring		
Date	Field Measurement (ft)	Volume (MG)
1/10/2017	22.3	46.9
1/31/2017	20.3	49.5

GW-11 Leak Detection Monitoring				
Date	Amount Pumped <sup>1</sup> (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
1/13/2017	18	0	0	0
1/27/2017	42	1	0	0

GW-11 Composite Sample <sup>2</sup>		
Analytes	Concentration	Units
Perchlorate	65	mg/L
Chlorate	120	mg/L
Ammonia as N <sup>3</sup>	0.80	mg/L
Total Phosphorus <sup>3</sup>	0.034	mg/L
Total Dissolved Solids (TDS) <sup>3</sup>	6,200	mg/L
Total Suspended Solids (TSS) <sup>3</sup>	43	mg/L
pH <sup>3</sup>	8.2	s.u.
Calcium <sup>3</sup>	300	mg/L
Iron <sup>3</sup>	0.42	mg/L
Chromium (total)	0.027	mg/L
Chromium VI	0.0037	mg/L
Chloride <sup>3</sup>	1,800	mg/L
Nitrate as N	4.3	mg/L
Sulfate <sup>3</sup>	1,700	mg/L

Notes:

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

2: Corner Composite Sample collected quarterly, most recent sampling results presented. Sampled on: October 10, 2016 by Envirogen. Next quarterly sample will occur February 2017.



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>2</sup> (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO <sub>4</sub> (mg/L)	NO <sub>3</sub> as N (mg/L)	ClO <sub>3</sub> (mg/L)		
Jan 2016	892	85	9.0	160	542	536
Feb 2016	930	93	8.8	300	846	591
Mar 2016	960	84	9.0	160	581	598
April 2016	944	84	9.0	160	572	595
May 2016	976	98	9.0	230	760	639
June 2016	902	75	9.3	130	476	629
July 2016	878	86	11	140	519	626
Aug 2016	901	80	9.2	180	577	581
Sep 2016	843	78	7.7	150	470	562
Oct 2016	860	86	8.6	190	573	563
Nov 2016	935	85	7.1	120	473	515
Dec 2016	979	96	9.0	170	638	542
Jan 2017	1,005	100	9.9	170	675	568

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

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																
Date	E1-1				E1-2				E1-3				E2-1 <sup>8</sup>			
	Flow <sup>3</sup> (gpm)	Water Elevation (ft amsl)	Cr (VI) <sup>5</sup> (mg/L)	ClO <sub>2</sub> <sup>1 5</sup> (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) <sup>6</sup> (mg/L)	ClO <sub>2</sub> <sup>1 6</sup> (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) <sup>1 7</sup> (mg/L)	ClO <sub>2</sub> <sup>1 7</sup> (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) <sup>1</sup> (mg/L)	ClO <sub>2</sub> <sup>1</sup> (mg/L)
01/01/17	0.00				0.00				0.00				0.00			
01/02/17	0.00				0.00				0.00				0.00			
01/03/17	0.00				0.00				0.00				0.00			
01/04/17 <sup>3</sup>	0.30				0.09				0.07				0.00			
01/05/17 <sup>4</sup>	1.2	1723.43	0.020	1,700	0.44	1725.04	0.010	1,600	0.38	1722.84	0.042	2,200	0.00			
01/06/17	3.2	1723.22			1.0	1723.67			0.99	1721.34			0.00			
01/07/17	3.2	1723.16			1.1	1724.01			1.0	1721.15			0.00			
01/08/17	3.2				1.1				1.0				0.00			
01/09/17	3.2	1722.66	0.018	1,600	1.1	1722.53	0.023	2,250	1.0	1714.05	0.070	2,400	0.00			
01/10/17	2.8	1722.23			1.0	1721.79			0.98	1711.31			0.00			
01/11/17	3.2	1722.16			1.2	1721.36			1.1	1711.15			0.00			
01/12/17	3.1	1723.73	0.021	1,500	1.1	1722.77	0.031	2,000	1.1	1710.98	0.065	2,300	0.00			
01/13/17	2.7	1723.33			1.0	1722.11			1.0	1710.97			0.00			
01/14/17	2.9	1723.37			1.1	1722.51			1.0	1710.96			0.00			
01/15/17	2.9				1.1				1.0				0.00			
01/16/17	2.9		0.021	1,350	1.1		0.028	2,500	1.0		0.079	2,300	0.00			
01/17/17	3.3	1721.31			1.1	1719.02			1.0	1710.96			0.00			
01/18/17	3.6	1721.02			1.2	1718.50			1.1	1710.97			0.00			
01/19/17	3.0	1720.61	0.021	1,300	0.94	1718.43	0.028	2,100	0.88	1710.98	0.081	2,200	0.00			
01/20/17	2.4	1720.35			0.72	1718.69			0.70	1710.99			0.00			
01/21/17	3.5				1.1				0.98				0.00			
01/22/17	3.5				1.1				0.98				0.00			
01/23/17	3.5	1719.16			1.1	1718.50			0.98	1710.96			0.00			
01/24/17	3.6	1719.63	0.026	1,800	1.0	1721.75	0.051	3,500	1.0	1711.53	0.092	2,300	0.00			
01/25/17	3.0	1719.16			0.82	1720.21			0.83	1711.02			0.00			
01/26/17	3.7	1718.75	0.025	1,200	1.1	1719.17	0.031	2,500	1.0	1710.96	0.091	2,100	0.00			
01/27/17	2.4	1717.96			0.67	1718.24			0.65	1710.97			0.00			
01/28/17	3.6				0.65				0.99				0.00			
01/29/17	3.6				0.65				0.99				0.00			
01/30/17	3.6	1719.08	0.021	1,200	0.65	1727.16	0.021	1,250	0.99	1712.75	0.075	1,800	0.00			
01/31/17	3.3	1715.12			1.1	1714.74			0.89	1710.99			0.00			
Monthly Average <sup>2</sup>	2.7	1720.97	0.022	1,460	0.85	1721.01	0.029	2,274	0.84	1712.89	0.075	2,213	0.00			

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading. *Italicized* flow rates indicate a totalizer reading was not recorded that day.  
 1: Analytical results are reported from TestAmerica.  
 2: All average concentrations reported are monthly flow weighted averages.  
 3: System testing on 1/4.  
 4: Beginning 1/5, system on.  
 5: Duplicates taken on 01/05, 01/16, and 01/26 for well E1-1; average of both values is presented and used for calculation purposes.  
 6: Duplicates taken on 01/09, 01/19, and 01/30 for well E1-2; average of both values is presented and used for calculation purposes.  
 7: Duplicates taken on 01/12 and 01/24 for well E1-3; average of both values is presented and used for calculation purposes.  
 8: No flushing and no pumping occurring at E2 plot from 1/1 to 1/31.

Nevada Environmental Response Trust   Groundwater Extraction and Treatment System   Enhanced Operational Metrics																
Date	E2-2 <sup>3</sup>				E2-3 <sup>3</sup>				E2-4 <sup>8</sup>				E2-5 <sup>8</sup>			
	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) <sup>1</sup> (mg/L)	ClO <sub>4</sub> <sup>1</sup> (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) <sup>1</sup> (mg/L)	ClO <sub>4</sub> <sup>1</sup> (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) <sup>1</sup> (mg/L)	ClO <sub>4</sub> <sup>1</sup> (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) <sup>1</sup> (mg/L)	ClO <sub>4</sub> <sup>1</sup> (mg/L)
01/01/17	0.00				0.00				0.00				0.00			
01/02/17	0.00				0.00				0.00				0.00			
01/03/17	0.00				0.00				0.00				0.00			
01/04/17	0.00				0.00				0.00				0.00			
01/05/17	0.00				0.00				0.00				0.00			
01/06/17	0.00				0.00				0.00				0.00			
01/07/17	0.00				0.00				0.00				0.00			
01/08/17	0.00				0.00				0.00				0.00			
01/09/17	0.00				0.00				0.00				0.00			
01/10/17	0.00				0.00				0.00				0.00			
01/11/17	0.00				0.00				0.00				0.00			
01/12/17	0.00				0.00				0.00				0.00			
01/13/17	0.00				0.00				0.00				0.00			
01/14/17	0.00				0.00				0.00				0.00			
01/15/17	0.00				0.00				0.00				0.00			
01/16/17	0.00				0.00				0.00				0.00			
01/17/17	0.00				0.00				0.00				0.00			
01/18/17	0.00				0.00				0.00				0.00			
01/19/17	0.00				0.00				0.00				0.00			
01/20/17	0.00				0.00				0.00				0.00			
01/21/17	0.00				0.00				0.00				0.00			
01/22/17	0.00				0.00				0.00				0.00			
01/23/17	0.00				0.00				0.00				0.00			
01/24/17	0.00				0.00				0.00				0.00			
01/25/17	0.00				0.00				0.00				0.00			
01/26/17	0.00				0.00				0.00				0.00			
01/27/17	0.00				0.00				0.00				0.00			
01/28/17	0.00				0.00				0.00				0.00			
01/29/17	0.00				0.00				0.00				0.00			
01/30/17	0.00				0.00				0.00				0.00			
01/31/17	0.00				0.00				0.00				0.00			
Monthly Average <sup>2</sup>	0.00				0.00				0.00				0.00			

Notes:  
 Flow reported as gpm is a daily average calculated from the totalizer reading.  
 1: Analytical results are reported from TestAmerica.  
 2: All average concentrations reported are monthly flow weighted averages.  
 8: No flushing and no pumping occurring at E2 plot from 1/1 to 1/31.