

Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																			
Date	LS #1 Flow ⁶ (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 ⁷ * (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation ⁸ (ft amsl)	Flow ⁷ * (gpm)	Water Elevation (ft amsl)	Flow ⁹ (gpm)	Water Elevation ⁹ (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ¹⁰ (gpm)	Water Elevation (ft amsl)	Flow ¹¹ (gpm)	Water Elevation (ft amsl)	Flow ¹¹ (gpm)	Water Elevation (ft amsl)	Flow ¹² (gpm)	Water Elevation (ft amsl)
12/01/16	461	147	1539.8	60	1544.6	103	1543.2	104	1538.9	53	1547.2	55	1548.6	0	1550.4	0	1550.2	8	<1520.0
12/02/16	469	152	1539.9	63	1544.0	108	1543.3	109	1539.1	56	1547.2	58	1548.7	0	1550.5	0	1550.7	8	<1520.0
12/03/16	469	150	1539.9	61	1544.6	106	1543.3	108	1539.0	55	1547.2	57	1548.7	0	1550.5	0	1550.7	8	<1520.0
12/04/16	469	148	1540.0	61	1543.6	104	1543.3	107	1539.1	54	1547.3	56	1548.7	0	1550.5	0	1550.7	7	<1520.0
12/05/16	469	151	1540.1	64	1544.5	108	1543.4	110	1539.1	56	1547.4	58	1548.8	0	1550.6	0	1550.8	8	<1520.0
12/06/16	469	150	1540.2	63	1544.6	105	1543.6	108	1539.2	56	1547.5	57	1548.9	0	1550.7	0	1550.8	8	<1520.0
12/07/16	468	151	1540.3	61	1544.5	106	1543.7	109	1539.2	56	1547.6	57	1549.0	0	1550.8	0	1550.9	8	<1520.0
12/08/16	469	149	1540.4	60	1545.0	105	1543.8	108	1539.3	55	1547.7	58	1549.1	0	1550.9	0	1551.0	8	<1520.0
12/09/16	469	150	1540.5	62	1545.1	105	1543.9	108	1539.4	56	1547.8	57	1549.2	0	1551.0	0	1551.1	8	<1520.0
12/10/16	480	147	1540.6	62	1545.3	103	1544.0	106	1539.5	55	1547.9	56	1549.3	0	1551.2	0	1551.2	8	<1520.0
12/11/16	479	151	1540.8	63	1545.5	105	1544.1	109	1539.6	56	1548.0	57	1549.5	0	1551.3	0	1551.3	7	<1520.0
12/12/16	467	146	1540.8	62	1544.7	103	1544.2	106	1539.6	54	1548.1	56	1549.6	0	1551.4	0	1551.4	8	<1520.0
12/13/16	469	151	1540.9	64	1544.3	108	1544.3	109	1539.7	56	1548.2	57	1549.6	0	1551.5	1	1551.5	8	<1520.0
12/14/16	624	153	1541.0	65	1544.5	110	1544.2	108	1539.8	56	1548.2	57	1549.6	17	1550.8	19	1550.5	10	<1520.0
12/15/16	457	127	1541.0	55	1543.9	93	1544.2	108	1539.8	55	1548.2	56	1549.6	6	1550.8	4	1550.5	9	<1520.0
12/16/16 ⁴	491	144	1541.2	66	1545.7	101	1544.4	106	1540.0	69	1548.4	23	1549.9	9	1551.7	27	1551.5	10	1520.8
12/17/16	469	152	1539.9	49	1547.3	112	1544.0	104	1540.2	60	1548.5	0	1550.7	0	1551.8	40	1550.2	6	<1520.0
12/18/16	480	151	1539.9	48	1547.3	112	1544.1	107	1540.3	60	1548.6	1	1550.8	1	1551.9	41	1550.2	2	<1520.0
12/19/16 ⁵	33	12	1540.0	4	1547.4	9	1544.1	9	1540.0	5	1548.6	0	1550.8	0	1551.9	3	1550.1	0	<1520.0
12/20/16	0	0	1548.4	0	1548.7	0	1549.5	0	1549.0	0	1551.6	0	1552.1	0	1552.9	0	1552.2	0	1551.3
12/21/16	0	0	1549.4	0	1549.7	0	1550.5	0	>1550.0	0	1552.5	0	1552.9	0	1553.7	0	1553.0	0	1552.4
12/22/16	8	0	1549.7	1	>1550.0	1	1550.8	2	>1550.0	2	1552.8	1	1553.2	0	1554.0	0	1553.3	0	1552.8
12/23/16	370	84	1549.9	40	>1550.0	30	1551.0	49	>1550.0	43	1553.0	32	1553.4	0	1554.2	0	1553.5	1	1553.0
12/24/16	703	158	1541.5	75	1544.8	56	1547.8	91	1543.4	77	1549.6	58	1551.4	0	1553.1	0	1552.8	0	1520.9
12/25/16	429	150	1541.0	72	1544.7	55	1547.4	88	1543.0	74	1549.2	55	1551.1	0	1552.9	0	1552.6	0	<1520.0
12/26/16	548	152	1540.7	73	1544.7	55	1547.2	89	1542.8	75	1549.1	56	1551.0	0	1552.7	0	1552.5	0	<1520.0
12/27/16	548	153	1540.6	73	1544.6	49	1547.1	88	1542.7	74	1549.0	52	1550.9	0	1552.7	0	1552.4	1	<1520.0
12/28/16	675	150	1540.7	73	1544.6	93	1547.1	104	1542.8	73	1549.0	55	1550.9	0	1552.6	0	1552.4	1	<1520.0
12/29/16	731	158	1540.2	78	1544.3	111	1544.5	117	1540.3	77	1548.5	57	1550.5	0	1552.4	0	1552.2	1	<1520.0
12/30/16	733	148	1540.1	73	1544.3	107	1544.4	110	1540.1	72	1548.4	54	1550.4	0	1552.3	0	1552.1	0	<1520.0
12/31/16	714	157	1539.9	78	1544.0	113	1544.3	116	1540.0	76	1548.4	57	1550.4	0	1552.2	0	1552.0	0	<1520.0
Monthly Average	455	129	1541.6	56	1545.5	83	1545.3	90	1541.4	54	1548.7	44	1550.2	1	1551.8	4	1551.4	5	1524.2
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		16	12/19/2016	20	12/19/2016	11	12/19/2016	9.7	12/15/2016	5.4	12/15/2016	1.0	12/15/2016	0.15	12/15/2016	0.070	12/15/2016	1.9	12/19/2016
Hexavalent Chromium		0.00050	12/19/2016	ND	12/19/2016	ND	12/19/2016	0.0011	12/15/2016	ND	12/15/2016	ND	12/15/2016	ND	12/15/2016	ND	12/15/2016	ND	12/19/2016
Total Chromium		ND	12/19/2016	ND	12/19/2016	ND	12/19/2016	ND	12/15/2016	ND	12/15/2016	ND	12/15/2016	ND	12/15/2016	ND	12/15/2016	ND	12/19/2016

- Notes:
- 1: Flow reported as gpm is a daily average calculated from the totalizer reading.
 - 2: ND = Not detected above laboratory method detection limit (Cr(TR)=2.5 ug/L, Cr(VI) =0.20 ug/L).
 - 3: Analytical results are reported from TestAmerica.
 - 4: 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.
 - 5: A ">" preceding the water elevation indicates the reported water level is above the maximum transducer setting, which was observed when pumps were off. Average monthly water elevation calculations include the maximum elevation in instances where the water level is above the measurement capability.
 - 6: On 12/16, multiple tests performed on SWF wells in preparation for LS #1 ion exchange upgrade.
 - 7: From 12/19 to 12/22, LS #1 and SWF wells were down due to the LS #1 ion exchange upgrade.
 - 8: From 12/26 to 12/27, the flow meter at LS #1 lost communication and flows were estimated. Communication resumed on 12/28.
 - 9: On 12/15, East Well, Center Well, and West Well were offline during installation of new electrical boxes.
 - 10: Duplicates taken on 12/19 for East Well; average of both values is used for calculation purposes. Cr (VI) analytical results were 0.00049 mg/L for the sample and 0.00051 mg/L for the duplicate. ClO₂ analytical results were 15 mg/L for the sample and 16 mg/L for the duplicate. Cr (TR) was ND for both the sample and the duplicate.
 - 11: On 12/28, West Well and PC 117 were increased to meet flow target as directed by the Trust.
 - 12: On 12/17, well PC 119 was off due to glue drying on pipe for LS #1 ion exchange upgrade.
 - 13: On 12/14, wells PC 120 and PC 121 were turned on to purge for sample collection and several days of pump testing.
 - 14: From 12/24 to 12/26 and 12/30 to 12/31, well PC 133 was cycling from very low water level at the control panel.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																	
Date	LS #3 Flow (gpm)	ART 1A/1B		ART 2A/2B		ART 3A/3B		ART 4A/4B		ART 6/9		ART 7A/7B		ART 8A/8B		PC-150	
		Flow ⁵ (gpm)	Water Elevation (ft amsl)	Flow ^{5,7} (gpm)	Water Elevation (ft amsl)	Flow ⁶ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation ² (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)
12/01/16	396	30	1588.9	117	1588.5	42	1586.0	5	<1575.0	75	1575.9	24	1579.8	146	1583.9	2	1583.9
12/02/16	382	29	1588.8	117	1588.4	40	1585.9	5	<1575.0	72	1578.1	22	1579.7	147	1583.8	2	1584.6
12/03/16	367	30	1588.7	117	1588.4	39	1585.9	6	<1575.0	71	1577.6	22	1579.7	146	1583.7	2	1584.1
12/04/16	351	29	1588.6	117	1588.3	39	1585.8	5	<1575.0	69	1576.0	22	1579.7	147	1583.7	2	1584.1
12/05/16	364	29	1588.6	117	1588.2	38	1585.8	6	<1575.0	69	1578.3	22	1579.7	146	1583.6	2	1584.8
12/06/16	352	30	1588.5	117	1588.2	38	1585.7	5	<1575.0	68	1577.0	22	1579.7	146	1583.6	1	1584.0
12/07/16	352	29	1588.5	118	1588.2	37	1585.7	5	<1575.0	68	1575.9	22	1579.7	147	1583.5	2	1583.9
12/08/16	353	30	1588.4	117	1588.1	37	1585.7	6	<1575.0	68	1577.4	22	1579.7	146	1583.5	1	1584.5
12/09/16	352	29	1588.4	117	1588.0	37	1585.6	5	<1575.0	67	1578.4	22	1579.7	146	1583.5	1	1584.0
12/10/16	352	29	1588.4	117	1588.0	37	1585.6	5	<1575.0	67	1576.2	22	1579.7	146	1583.4	2	1583.9
12/11/16	352	30	1588.4	118	1588.0	36	1585.6	5	<1575.0	68	1577.2	22	1579.7	146	1583.4	1	1584.7
12/12/16	351	29	1588.4	116	1588.0	36	1585.6	5	<1575.0	67	1577.4	21	1579.7	146	1583.4	2	1584.6
12/13/16	351	29	1588.4	117	1588.0	34	1585.6	5	<1575.0	68	1577.0	23	1579.7	146	1583.4	1	1584.2
12/14/16 ⁴	354	29	1588.4	117	1588.1	36	NM	5	<1575.0	68	1576.2	22	1579.7	147	1583.6	2	1584.7
12/15/16	351	21	NM	96	NM	22	NM	4	<1575.0	69	1578.2	23	1579.7	145	1584.0	2	1584.1
12/16/16	352	30	NM	112	1588.5	23	NM	5	<1575.0	70	1578.7	23	1579.7	145	1584.0	1	1584.7
12/17/16	352	30	1588.7	111	1588.4	22	NM	5	<1575.0	69	1577.3	22	1579.7	144	1583.9	2	1584.8
12/18/16	351	30	1588.7	112	1588.4	22	NM	5	<1575.0	70	1578.2	24	1579.7	144	1583.9	2	1584.7
12/19/16	352	30	1588.7	111	1588.4	21	NM	4	<1575.0	70	1576.6	23	1579.7	146	1583.9	1	1584.8
12/20/16	351	30	1588.7	111	1588.4	22	NM	5	<1575.0	70	1578.2	23	1579.7	146	1583.9	2	1584.5
12/21/16	352	29	1588.7	111	1588.4	22	NM	5	<1575.0	71	1576.1	23	1579.7	146	1583.9	2	1584.2
12/22/16	352	30	1588.7	110	1588.4	22	NM	4	<1575.0	71	1576.3	23	1579.7	146	1583.9	1	1584.7
12/23/16	353	30	1588.7	110	1588.4	22	NM	5	<1575.0	71	1577.5	23	1579.7	147	1583.9	2	1584.5
12/24/16	351	29	1588.7	110	1588.4	22	NM	4	<1575.0	71	1575.8	23	1579.7	147	1583.9	2	1584.7
12/25/16	351	29	1588.7	105	1588.4	22	NM	5	<1575.0	71	1576.4	23	1579.7	147	1583.9	1	1584.5
12/26/16	352	30	1588.8	88	NM	22	NM	5	<1575.0	71	1576.3	24	1579.7	146	1584.0	2	1584.6
12/27/16	349	29	1588.9	83	NM	22	NM	4	<1575.0	71	1575.9	23	1579.7	147	1584.1	1	1584.0
12/28/16	428	29	1589.0	105	1588.1	32	NM	5	<1575.0	70	1577.0	23	1579.7	147	1584.1	2	1584.7
12/29/16	468	29	1588.7	114	1588.3	38	1585.8	5	<1575.0	71	1576.5	23	1579.7	146	1583.7	2	1584.3
12/30/16	469	29	1588.5	114	1588.1	37	1585.7	5	<1575.0	70	1576.0	23	1579.7	147	1583.5	1	1584.2
12/31/16	468	29	1588.4	114	1588.1	37	1585.6	5	<1575.0	70	1576.9	22	1579.7	146	1583.5	2	1583.9
Monthly Average	369	29	1588.6	111	1588.3	31	1585.7	5	<1575.0	70	1577.0	23	1579.7	146	1583.7	2	1584.4
Analytical ¹		Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc ² (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		16	12/15/2016	22	12/15/2016	260	12/15/2016	250	12/15/2016	220	12/15/2016	110	12/15/2016	110	12/15/2016	190	12/15/2016
Hexavalent Chromium		ND	12/15/2016	0.0073	12/15/2016	0.33	12/15/2016	0.36	12/15/2016	0.90	12/15/2016	0.48	12/15/2016	0.097	12/15/2016	0.23	12/15/2016
Total Chromium		ND	12/15/2016	0.037	12/15/2016	0.34	12/15/2016	0.34	12/15/2016	0.95	12/15/2016	0.49	12/15/2016	0.097	12/15/2016	0.22	12/15/2016

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 (ClO₄ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-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: Concentrations reported for ART-9.

4: On 12/14, LS #3 and AWF totalizers reset.

5: On 12/14, flow for well ART 1A switched to backup well ART 1B at 10:44 am. Flow switched back to ART 1A on 12/16 at 6:35 am.

6: On 12/14, flow for well ART 2A switched to backup well ART 2B at 1:18 pm. Flow switched back to ART 2A on 12/15 at 7:57 pm.

7: On 12/26, flow for well ART 2A switched to backup well ART 2B at 1:37 am. Flow switched back to ART 2A on 12/28 at 3:05 pm.

8: On 12/14, flow for well ART 3A switched to backup well ART 3B at 1:46 am. Flow switched back to ART 3A on 12/28 at 1:25 pm after motor replacement.

9: Duplicates taken on 12/15 for well ART 9; average of both values is used for calculation purposes. Cr (VI) analytical results were mg/L for the sample and for the duplicate. ClO₄ analytical results were 220 mg/L for both the sample and the duplicate. Cr (TR) analytical results were 1.0 mg/L for the sample and 0.90 mg/L for the duplicate.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-AR		I-AA		I-AB		I-AC		I-AD		I-B		I-C		I-D		I-E		I-F	
	Flow (gpm)	Water Elevation* (ft amsl)	Flow** (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)
12/01/16	0.23	<1714.0	0.70	1720.9	0.00	1721.9	0.00	1723.3	0.00	1724.8	0.97	1722.0	4.84	1718.9	2.69	1721.7	1.44	1708.0	3.75	<1705.0
12/02/16	0.23	<1714.0	0.69	1720.9	0.00	1721.7	0.00	1723.3	0.00	1724.8	0.94	1713.1	4.77	<1710.0	2.81	1721.5	1.43	1708.0	3.75	<1705.0
12/03/16	0.23	<1714.0	0.70	1720.7	0.00	1721.6	0.00	1723.3	0.00	1724.8	0.93	1712.2	4.66	<1710.0	2.81	1721.4	1.42	1708.0	3.75	<1705.0
12/04/16	0.23	<1714.0	0.70	1720.3	0.00	1721.6	0.00	1723.3	0.00	1724.8	0.77	1712.6	4.53	<1710.0	2.81	1721.3	1.42	1708.0	3.75	<1705.0
12/05/16	0.23	<1714.0	0.91	1719.9	0.00	1721.5	0.00	1723.4	0.00	1724.8	0.72	1714.1	4.50	<1710.0	2.81	1721.3	1.42	1708.0	3.75	<1705.0
12/06/16	0.23	<1714.0	1.17	1712.9	0.00	1721.4	0.00	1723.4	0.00	1724.8	0.70	1712.7	4.48	<1710.0	2.81	1721.2	1.41	1708.0	3.75	<1705.0
12/07/16	0.23	<1714.0	1.17	1712.0	0.00	1721.3	0.00	1723.3	0.00	1724.8	0.70	1712.7	4.44	<1710.0	2.81	1721.1	1.41	1708.0	3.75	<1705.0
12/08/16	0.23	<1714.0	1.17	1712.3	0.00	1721.2	0.00	1723.3	0.00	1724.8	0.70	1712.6	4.03	<1710.0	2.81	1721.1	1.43	1708.0	3.75	<1705.0
12/09/16	0.23	<1714.0	1.17	1712.2	0.00	1721.1	0.00	1723.3	0.00	1724.8	0.70	1712.5	3.75	1714.7	2.81	1721.0	1.59	1708.0	3.75	<1705.0
12/10/16	0.23	<1714.0	1.17	1712.1	0.00	1721.1	0.00	1723.3	0.00	1724.8	0.70	1712.3	3.75	1715.3	2.81	1721.0	1.50	1708.0	3.75	<1705.0
12/11/16	0.23	<1714.0	1.17	1712.2	0.00	1721.1	0.00	1723.3	0.00	1724.8	0.70	1711.9	3.75	1715.6	2.81	1720.9	1.47	1708.0	3.75	<1705.0
12/12/16	0.23	<1714.0	1.17	1712.3	0.00	1721.1	0.00	1723.3	0.00	1724.8	0.70	1712.8	3.75	1715.8	2.81	1720.9	1.49	1708.0	3.75	<1705.0
12/13/16	0.23	<1714.0	1.15	1712.3	0.00	1721.1	0.00	1723.3	0.00	1724.8	0.70	1713.5	3.75	1716.1	2.72	1720.8	1.56	1708.0	3.75	<1705.0
12/14/16 ^{3,4}	0.23	<1714.0	1.17	1712.5	0.00	1721.2	0.00	1723.3	0.00	1724.8	0.70	1714.7	3.89	1716.6	2.80	1720.9	1.49	1708.0	3.75	<1705.0
12/15/16	0.20	<1714.0	0.65	1716.9	0.00	1721.3	0.00	1723.3	0.00	1724.8	0.51	1719.0	1.44	1720.8	1.96	1721.3	1.44	1708.0	4.31	<1705.0
12/16/16	0.21	<1714.0	0.67	1716.9	0.00	<1710.0	0.00	1723.4	0.00	1724.9	0.54	1718.1	1.42	1721.0	1.95	1721.4	1.45	1708.1	4.31	<1705.0
12/17/16	0.21	<1714.0	0.68	1716.5	0.00	1710.6	0.00	1723.3	0.00	1724.8	0.58	1718.9	1.40	1721.2	1.94	1721.5	1.46	1708.1	4.34	<1705.0
12/18/16	0.21	<1714.0	0.69	1716.5	0.00	<1710.0	0.00	1723.2	0.00	1724.8	0.59	1719.0	1.40	1721.3	1.93	1721.6	1.46	1708.0	4.34	<1705.0
12/19/16	0.21	<1714.0	0.69	1716.5	0.00	1710.2	0.00	1723.2	0.00	1724.8	0.59	1719.2	1.40	1721.4	1.91	1721.7	1.47	1708.0	4.29	<1705.0
12/20/16	0.21	<1714.0	0.69	1716.5	0.00	<1710.0	0.00	1723.2	0.00	1724.8	0.59	1717.9	1.41	1721.5	1.88	1721.7	1.48	1708.0	4.22	<1705.0
12/21/16	0.21	<1714.0	0.69	1716.6	0.00	1721.3	0.00	1723.3	0.02	1724.8	0.59	1718.0	1.41	1721.5	1.87	1721.8	1.49	1708.0	4.23	<1705.0
12/22/16	0.21	<1714.0	0.69	1716.8	0.00	1721.4	0.03	1723.1	0.00	1724.8	0.59	1718.1	1.41	1721.6	1.87	1721.8	1.50	1708.0	4.23	<1705.0
12/23/16	0.20	<1714.0	0.63	1716.8	0.00	1721.4	0.00	1723.3	0.00	1724.8	0.56	1717.9	1.32	1721.6	1.80	1721.9	1.51	1708.0	4.17	<1705.0
12/24/16	0.20	<1714.0	0.34	1720.3	0.00	1721.4	0.00	1723.4	0.00	1724.8	0.50	1720.8	0.94	1722.3	1.54	1722.0	1.53	1708.1	4.23	<1705.0
12/25/16	0.20	<1714.0	0.35	1720.8	0.00	1721.6	0.00	1723.3	0.00	1724.8	0.49	1720.9	0.94	1722.3	1.52	1722.1	1.54	1708.2	4.22	<1705.0
12/26/16	0.19	<1714.0	0.35	1721.0	0.00	1721.7	0.00	1723.3	0.00	1724.8	0.52	1721.1	0.94	1722.5	1.55	1722.1	1.56	1708.0	4.22	<1705.0
12/27/16	0.19	<1714.0	0.35	1721.1	0.00	1721.7	0.00	1723.3	0.00	1724.8	0.52	1721.2	0.94	1722.6	1.50	1722.2	1.58	1708.0	4.22	<1705.0
12/28/16	0.19	<1714.0	0.38	1721.2	0.00	1721.8	0.00	1723.3	0.00	1724.8	0.54	1721.3	0.94	1722.7	1.45	1722.3	1.59	1708.0	4.22	<1705.0
12/29/16	0.19	<1714.0	1.16	1718.7	0.00	1721.9	0.00	1723.3	0.00	1724.8	0.95	1719.4	0.94	1722.8	2.62	1722.2	1.61	1708.0	4.22	<1705.0
12/30/16	0.19	<1714.0	1.13	1714.3	0.00	1721.7	0.00	1723.4	0.00	1724.9	1.03	1711.5	2.61	1722.8	2.58	1722.1	1.62	1708.0	4.22	<1705.0
12/31/16	0.18	<1714.0	1.14	1713.7	0.00	1721.6	0.00	1723.4	0.00	1724.9	1.01	1709.8	5.11	1719.0	2.58	1722.0	1.62	1708.0	4.22	<1705.0
Monthly Average	0.22	<1714.0	0.82	1716.6	0.00	1719.6	0.00	1723.3	0.00	1724.8	0.69	1716.2	2.74	1717.8	2.31	1721.5	1.50	1708.0	4.02	<1705.0
Analytical ¹	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
	Perchlorate	210	12/20/2016	110	12/20/2016	280	12/21/2016	270	12/22/2016	170	12/21/2016	560	12/20/2016	670	12/20/2016	690	12/20/2016	630	12/20/2016	910
Hexavalent Chromium	ND	12/20/2016	0.010	12/20/2016	ND	12/21/2016	1.8	12/22/2016	1.1	12/21/2016	0.0048	12/20/2016	2.3	12/20/2016	5.0	12/20/2016	6.7	12/20/2016	12	12/20/2016
Total Chromium	0.027	12/20/2016	0.048	12/20/2016	0.031	12/21/2016	1.78	12/22/2016	1.1	12/21/2016	0.063	12/20/2016	2.3	12/20/2016	5.6	12/20/2016	6.9	12/20/2016	11	12/20/2016

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).
 B = Compound was found in the blank and sample.
 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 12/14, IWF totalizers were reset.
 4: On 12/14, IWF off briefly during GIWTP system testing.
 5: On 12/05, flow rates for wells I-AA and I-L were increased to meet flow targets as directed by the Trust.
 6: On 12/29, flow rates for wells I-AA, I-B, I-D, I-L, I-M, I-O, I-R, I-X, and I-Y were increased to meet flow targets as directed by the Trust.
 7: On 12/01, flow rates for wells I-B, I-C, I-D, I-L, I-M, I-R, I-S, I-X, and I-Y were increased to meet flow targets as directed by the Trust.
 8: On 12/30, flow rates for wells I-B, I-C, I-R, and I-S were increased to meet flow targets as directed by the Trust.
 9: On 12/08, flow rate for well I-C was set at 4 gpm to reduce pump cycling on and off.
 10: On 12/31, flow rate for well I-C was increased to meet flow targets as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-G		I-H		I-I		I-J		I-K		I-L		I-M		I-N		I-O		I-P	
	Flow (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)
12/01/16	0.14	1711.0	0.94	1709.0	5.63	1721.1	5.63	1707.0	3.75	1708.9	2.01	1722.2	1.75	1721.9	3.75	1716.7	0.23	1720.9	2.32	1709.3
12/02/16	0.13	<1710.0	0.94	1709.0	5.62	1721.1	5.62	1707.0	3.75	1708.9	1.87	1718.6	1.77	1721.4	3.75	1716.2	0.23	1720.9	2.31	1709.3
12/03/16	0.13	<1710.0	0.94	1709.0	5.63	1721.1	5.64	1707.0	3.75	1708.9	1.87	1717.7	1.43	1721.4	3.75	1715.8	0.23	1720.8	2.31	1709.3
12/04/16	0.13	<1710.0	0.94	1709.0	5.63	1721.1	7.50	1707.0	3.75	1708.9	1.88	1717.2	1.41	1721.3	3.75	1715.6	0.23	1720.9	2.33	1709.3
12/05/16	0.13	<1710.0	0.95	1709.0	5.62	1721.1	7.50	1707.0	3.75	1708.9	1.89	1716.7	1.41	1721.3	3.75	1715.2	0.23	1720.9	2.34	1709.3
12/06/16	0.13	<1710.0	0.94	1709.0	5.63	1721.1	7.50	1707.0	3.75	1708.9	1.88	1712.6	1.41	1721.3	3.75	1715.0	0.23	1720.9	2.35	1709.3
12/07/16	0.13	<1710.0	0.94	1709.0	5.63	1721.1	7.50	1707.0	3.75	1708.9	1.88	1712.3	1.41	1721.2	3.75	1714.8	0.23	1720.9	2.34	1709.3
12/08/16	0.13	<1710.0	0.94	1709.0	5.63	1721.1	7.50	1707.0	3.75	1708.9	1.99	1711.1	1.41	1721.2	3.75	1714.6	0.28	1720.9	2.33	1709.3
12/09/16	0.13	<1710.0	0.94	1709.0	5.62	1721.1	7.50	1707.0	3.75	1708.9	2.08	1711.5	1.41	1721.2	3.75	1714.4	0.23	1720.9	2.33	1709.3
12/10/16	0.13	<1710.0	0.96	1709.0	5.63	1721.1	7.50	1707.0	3.75	1708.9	2.07	1711.6	1.41	1721.2	3.75	1714.1	0.23	1720.9	2.36	1709.4
12/11/16	0.13	<1710.0	0.96	1709.0	5.62	1721.1	7.50	1707.0	3.75	1708.9	2.07	1711.7	1.41	1721.1	3.75	1713.7	0.23	1720.9	2.38	1709.3
12/12/16	0.13	<1710.0	0.98	1709.0	5.63	1721.1	7.50	1707.0	3.75	1708.9	2.11	1711.7	1.41	1721.1	3.75	1713.3	0.23	1721.0	2.39	1709.3
12/13/16	0.13	<1710.0	0.96	1709.0	4.02	1721.1	7.50	1707.0	3.75	1708.9	2.15	1711.7	1.84	1721.1	3.75	1712.9	0.23	1721.0	2.40	1709.3
12/14/16 ³	0.13	<1710.0	0.95	1709.0	5.40	1721.1	7.50	1707.0	3.75	1708.9	2.19	1711.5	1.47	1721.1	3.75	1712.8	0.24	1721.0	2.36	1709.3
12/15/16	0.13	<1710.0	1.11	1709.1	4.96	1721.1	6.18	1707.0	3.43	1709.0	2.23	1711.5	1.25	1721.4	4.09	1712.8	0.32	1721.0	2.34	1709.3
12/16/16	0.13	<1710.0	1.11	1709.0	4.95	1721.2	6.19	1707.1	3.44	1709.1	2.24	1711.5	1.21	1721.5	4.10	1712.9	0.34	1721.0	2.35	1709.3
12/17/16	0.13	<1710.0	1.09	1709.0	4.94	1721.1	6.14	1707.0	3.41	1708.9	2.21	1714.2	1.16	1721.6	4.10	1712.9	0.33	1721.0	2.31	1709.3
12/18/16	0.13	<1710.0	1.08	1709.0	4.94	1721.1	6.12	1707.0	3.40	1709.0	2.17	1715.6	1.15	1721.7	4.10	1712.9	0.34	1720.9	2.29	1709.3
12/19/16	0.13	<1710.0	1.08	1709.0	4.92	1721.1	6.12	1707.0	3.40	1708.9	2.13	1716.2	1.14	1721.8	4.12	1713.0	0.35	1720.9	2.29	1709.3
12/20/16	0.13	<1710.0	1.10	1709.0	4.93	1721.1	6.14	1707.0	3.41	1708.9	2.11	1715.4	1.16	1721.8	4.22	1713.4	0.35	1720.9	2.31	1709.3
12/21/16	0.13	<1710.0	1.13	1709.0	4.92	1721.1	6.13	1707.0	3.51	1708.9	2.11	1715.3	1.17	1721.9	4.22	1713.8	0.36	1720.9	2.35	1709.3
12/22/16	0.13	<1710.0	1.16	1709.1	4.92	1721.2	6.10	1707.1	3.50	1708.9	2.11	1716.0	1.08	1721.9	4.22	1714.2	0.35	1721.0	2.39	1709.4
12/23/16	0.14	<1710.0	1.19	1709.0	4.97	1721.2	6.07	1707.1	3.48	1708.9	2.03	1716.1	1.02	1722.0	4.17	1714.7	0.29	1721.0	2.44	1709.4
12/24/16	0.14	<1710.0	1.22	1709.1	5.15	1721.3	6.12	1707.1	3.52	1709.6	1.76	1719.8	0.93	1722.2	4.22	1716.0	0.22	1721.1	2.56	1709.8
12/25/16	0.14	<1710.0	1.20	1709.1	5.15	1721.2	6.10	1707.1	3.50	1709.0	1.66	1720.3	0.94	1722.2	4.22	1716.5	0.23	1721.0	2.45	1710.0
12/26/16	0.14	<1710.0	1.19	1709.0	5.15	1721.1	6.10	1707.0	3.49	1708.9	1.82	1720.7	0.94	1722.3	4.22	1716.9	0.23	1721.0	2.42	1709.5
12/27/16	0.14	<1710.0	1.18	1709.0	5.15	1721.1	6.09	1707.0	3.38	1708.9	1.84	1721.0	0.94	1722.3	4.22	1717.2	0.23	1721.0	2.41	1709.3
12/28/16	0.14	<1710.0	1.15	1709.1	5.15	1721.1	6.10	1707.1	3.28	1708.9	1.78	1721.3	0.97	1722.4	4.22	1717.5	0.24	1721.0	2.39	1709.3
12/29/16	0.14	<1710.0	1.14	1709.0	5.16	1721.2	6.46	1707.1	3.28	1709.0	2.59	1716.4	1.77	1721.9	4.22	1717.7	0.29	1720.9	2.39	1709.3
12/30/16	0.14	<1710.0	1.16	1709.1	5.15	1721.2	6.56	1707.1	3.28	1709.3	2.58	1714.6	1.66	1721.9	4.22	1717.7	0.27	1721.0	2.47	1709.4
12/31/16	0.14	<1710.0	1.18	1709.0	5.15	1721.3	6.56	1707.1	3.28	1709.5	2.58	1713.0	1.64	1722.0	4.22	1717.8	0.27	1721.1	2.56	1709.3
Monthly Average	0.13	1710.0	1.06	1709.0	5.25	1721.1	6.60	1707.0	3.56	1709.0	2.06	1715.4	1.32	1721.6	3.99	1714.9	0.27	1721.0	2.37	1709.4
Analytical ¹	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
	Perchlorate	1,900	12/20/2016	1,800	12/20/2016	860	12/21/2016	860	12/21/2016	220	12/21/2016	950	12/20/2016	1,100	12/20/2016	600	12/20/2016	1,000	12/20/2016	1,400
Hexavalent Chromium	23	12/20/2016	18	12/20/2016	11	12/21/2016	3.7	12/21/2016	2.1	12/21/2016	0.32	12/20/2016	6.8	12/20/2016	6.5	12/20/2016	18	12/20/2016	18	12/20/2016
Total Chromium	26	12/20/2016	21	12/20/2016	12.8	12/21/2016	3.3.8	12/21/2016	1.9.8	12/21/2016	0.34	12/20/2016	7.0	12/20/2016	6.6	12/20/2016	19	12/20/2016	18	12/20/2016

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (ClO₄ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 1: 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 12/14, IWF totalizers were reset.
 4: On 12/14, IWF off briefly during GWTP system testing.
 5: On 12/05, flow rates for wells I-AA and I-L were increased to meet flow targets as directed by the Trust.
 6: On 12/29, flow rates for wells I-AA, I-B, I-D, I-L, I-M, I-O, I-R, I-X, and I-Y were increased to meet flow targets as directed by the Trust.
 7: On 12/01, flow rates for wells I-B, I-C, I-D, I-L, I-M, I-R, I-S, I-X, and I-Y were increased to meet flow targets as directed by the Trust.

Table 3 - Interceptor Well Field (IWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																				
Date	I-Q		I-R		I-S		I-T		I-U		I-V		I-W		I-X		I-Y		I-Z	
	Flow (gpm)	Water Elevation (ft amsl)	Flow ^{4,7,8,11,12} (gpm)	Water Elevation ⁴ (ft amsl)	Flow ^{7,8,15} (gpm)	Water Elevation ⁴ (ft amsl)	Flow (gpm)	Water Elevation ⁴ (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation ⁴ (ft amsl)	Flow ^{4,7} (gpm)	Water Elevation (ft amsl)	Flow ^{4,7} (gpm)	Water Elevation ⁴ (ft amsl)	Flow (gpm)	Water Elevation ⁴ (ft amsl)
12/01/16	0.47	1711.6	1.71	<1707.0	5.39	<1710.0	0.47	<1705.0	0.94	1707.3	3.75	1718.0	0.94	<1710.0	2.28	1712.6	1.78	1721.2	7.50	<1710.0
12/02/16	0.47	1711.6	1.50	<1707.0	5.62	<1710.0	0.47	<1705.0	0.94	1707.4	3.75	1718.0	0.94	<1710.0	1.98	1700.0	1.83	<1705.0	7.50	<1710.0
12/03/16	0.47	1711.6	1.88	<1707.0	5.62	<1710.0	0.47	<1705.0	0.94	1707.4	3.75	1717.9	0.94	<1710.0	1.87	1706.1	1.84	<1705.0	7.50	<1710.0
12/04/16	0.47	1711.6	1.86	<1707.0	5.58	<1710.0	0.47	<1705.0	0.94	1707.4	3.75	1718.0	0.94	<1710.0	1.88	1706.0	1.83	<1705.0	7.50	<1710.0
12/05/16	0.47	1711.6	1.80	<1707.0	4.99	<1710.0	0.47	<1705.0	0.89	1707.4	3.75	1718.0	0.93	<1710.0	1.87	1704.7	1.86	<1705.0	7.50	<1710.0
12/06/16	0.47	1711.6	1.88	<1707.0	4.32	<1710.0	0.47	<1705.0	0.87	1707.4	3.75	1718.1	0.94	1714.9	1.88	1711.2	1.85	<1705.0	7.50	<1710.0
12/07/16	0.47	1711.6	1.88	<1707.0	3.75	<1710.0	0.47	<1705.0	0.87	1707.5	3.75	1718.0	0.94	1715.3	1.88	1711.2	1.86	<1705.0	7.50	<1710.0
12/08/16	0.47	1711.6	1.88	<1707.0	3.90	<1710.0	0.47	<1705.0	0.86	1707.4	3.75	1718.0	0.94	1714.9	1.88	1711.1	1.84	<1705.0	7.50	<1710.0
12/09/16	0.47	1711.6	1.88	<1707.0	3.75	<1710.0	0.47	<1705.0	0.87	1707.3	3.75	1717.9	0.94	1715.1	1.88	1711.1	1.88	<1705.0	7.50	<1710.0
12/10/16	0.47	1711.6	1.87	<1707.0	3.75	<1710.0	0.47	<1705.0	0.90	1707.3	3.75	1718.0	0.54	1715.7	1.87	1710.6	1.84	<1705.0	7.50	<1710.0
12/11/16	0.47	1711.6	1.73	<1707.0	3.75	<1710.0	0.47	<1705.0	0.90	1707.3	3.75	1718.0	0.47	1718.8	1.87	1710.5	1.84	<1705.0	7.50	<1710.0
12/12/16	0.47	1711.6	1.41	<1707.0	3.75	<1710.0	0.47	<1705.0	0.90	1707.4	3.75	1718.1	0.47	1719.2	1.88	1710.2	1.85	<1705.0	7.50	<1710.0
12/13/16	0.47	1711.6	1.21	<1707.0	5.04	<1710.0	0.47	<1705.0	0.91	1707.3	3.75	1718.1	0.47	1719.2	1.87	1710.3	1.84	<1705.0	7.50	<1710.0
12/14/16 ^{3,4}	0.47	1711.6	1.69	<1707.0	3.96	<1710.0	0.47	<1705.0	0.89	1707.3	3.75	1718.1	0.68	1719.2	1.87	1709.9	1.85	<1705.0	7.50	<1710.0
12/15/16	0.50	1711.6	1.31	<1707.0	4.71	<1710.0	0.46	<1705.0	0.82	1707.3	4.38	1718.2	0.46	1719.4	1.86	1710.4	1.83	<1705.0	7.26	<1710.0
12/16/16	0.50	1711.6	0.01	<1707.0	4.70	<1710.0	0.46	<1705.0	0.82	1707.4	4.39	1718.2	0.47	1719.3	1.85	1710.2	1.79	1705.6	7.27	<1710.0
12/17/16	0.50	1711.6	0.00	<1707.0	4.66	<1710.0	0.45	<1705.0	0.81	1707.2	4.34	1718.1	0.46	1719.3	1.85	1710.6	1.72	1711.5	7.21	<1710.0
12/18/16	0.50	1711.6	0.00	<1707.0	4.68	<1710.0	0.45	<1705.0	0.81	1707.3	4.34	1718.0	0.46	1719.3	1.88	1709.7	1.70	1714.3	7.21	<1710.0
12/19/16	0.50	1711.6	1.13	<1707.0	4.69	<1710.0	0.45	<1705.0	0.81	1707.3	4.39	1718.0	0.48	1719.3	1.82	1710.8	1.69	1714.5	7.21	<1710.0
12/20/16	0.50	1711.6	1.32	<1707.0	4.69	<1710.0	0.45	<1705.0	0.75	1707.3	4.46	1718.0	0.42	1719.2	1.85	1711.5	1.70	1713.3	7.19	<1710.0
12/21/16	0.50	1711.6	1.29	<1707.0	4.69	<1710.0	0.47	<1705.0	0.06	1724.8	4.45	1718.1	0.38	1719.5	1.86	1711.6	1.74	1713.2	7.17	<1710.0
12/22/16	0.50	1711.6	1.29	<1707.0	4.69	<1710.0	0.48	<1705.0	0.00	1732.1	4.45	1718.2	0.41	1719.6	1.76	1712.4	1.74	1713.2	7.22	<1710.0
12/23/16	0.52	1711.6	1.21	<1707.0	4.60	<1710.0	0.48	<1705.0	0.00	1731.1	4.40	1718.2	0.35	1719.5	1.70	1712.6	1.61	1713.2	7.22	<1710.0
12/24/16	0.53	1711.6	0.94	<1707.0	4.23	<1710.0	0.49	<1705.0	0.00	1731.3	4.37	1718.5	0.43	1720.7	1.52	1714.2	1.56	1715.4	7.48	<1710.0
12/25/16	0.53	1711.6	0.97	<1707.0	4.22	<1710.0	0.48	<1705.0	0.00	1731.3	4.22	1718.3	0.79	1715.8	1.52	1714.4	1.54	1715.6	7.43	<1710.0
12/26/16	0.53	1711.6	0.96	<1707.0	4.22	<1710.0	0.48	<1705.0	0.00	1721.1	4.22	1718.2	0.79	1714.7	1.52	1714.5	1.52	1716.1	7.41	<1710.0
12/27/16	0.53	1711.6	0.94	<1707.0	4.22	<1710.0	0.47	<1705.0	0.75	1721.1	4.22	1718.2	0.77	1715.6	1.44	1714.7	1.41	1716.4	7.50	<1710.0
12/28/16	0.54	1711.6	0.96	<1707.0	4.22	<1710.0	0.47	<1705.0	0.85	1707.1	4.22	1718.2	0.76	1715.2	1.43	1714.8	1.43	1717.1	7.50	<1710.0
12/29/16	0.56	1711.6	1.62	<1707.0	4.22	<1710.0	0.47	<1705.0	0.83	1707.1	4.22	1718.2	0.76	1715.5	2.11	1711.9	2.05	<1705.0	7.50	<1710.0
12/30/16	0.58	1711.6	1.77	<1707.0	4.92	<1710.0	0.47	<1705.0	0.83	1707.1	4.22	1718.3	0.29	1716.4	2.11	1712.4	2.00	<1705.0	7.50	<1710.0
12/31/16	0.58	1711.6	1.75	<1707.0	5.16	<1710.0	0.47	<1705.0	0.83	1707.1	4.22	1718.5	0.18	1720.2	2.11	1712.6	1.96	<1705.0	7.50	<1710.0
Monthly Average	0.50	1711.6	1.34	<1707.0	4.54	<1710.0	0.47	<1705.0	0.70	1711.9	4.06	1718.1	0.64	1716.5	1.84	1710.8	1.77	1709.2	7.41	<1710.0
Analytical ¹	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
	Perchlorate	1,500	12/20/2016	1,100	12/20/2016	590	12/20/2016	2,100	12/20/2016	2,600	12/21/2016	890	12/21/2016	975	12/21/2016	1,300	12/20/2016	2,000	12/20/2016	510
Hexavalent Chromium	21	12/20/2016	0.17	12/20/2016	0.60	12/20/2016	19	12/20/2016	20	12/20/2016	17	12/21/2016	19	12/21/2016	8.8	12/20/2016	0.26	12/20/2016	9.4	12/21/2016
Total Chromium	21	12/20/2016	2.6	12/20/2016	0.59	12/20/2016	26	12/20/2016	25	12/20/2016	18 B	12/21/2016	19	12/21/2016	9.4	12/20/2016	0.28	12/20/2016	10	12/21/2016

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 ND = Not detected above laboratory method detection limit (ClO₄ = 0.5 ug/L; ClO₃ = 10 ug/L; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 1: 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 12/14, IWF totalizers were reset.
 4: On 12/14, IWF off briefly during GWTP system testing.
 6: On 12/29, flow rates for wells I-AA, I-B, I-D, I-L, I-M, I-O, I-R, I-X, and I-Y were increased to meet flow targets as directed by the Trust.
 7: On 12/01, flow rates for wells I-B, I-C, I-D, I-L, I-M, I-R, I-S, I-X, and I-Y were increased to meet flow targets as directed by the Trust.
 8: On 12/30, flow rates for wells I-B, I-C, I-R, and I-S were increased to meet flow targets as directed by the Trust.
 11: On 12/13, totalizer for well I-R was reset.
 12: From 12/16 to 12/19, well I-R was down due to an electrical issue. The well was repaired and back online on 12/19.
 13: On 12/08, flow rates for well I-S was increased to meet flow targets as directed by the Trust.
 14: From 12/21 to 12/27, well I-U was down due to an electrical issue. The well was repaired and back online on 12/27.
 15: Duplicates taken on 12/21 for well I-W; average of both values is used for calculation purposes. Cr (VI) analytical results were 17 mg/L for the sample and 20 mg/L for the duplicate. ClO₄ analytical results were 980 mg/L for the sample and 970 mg/L for the duplicate.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																	
Date	LS #2	GWTP Effluent				GW-11 Influent				FBR Plant Influent ¹							
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow ^{2,4,5} (gpm)	Cr (TR) (mg/L)	Cr (VI) (mg/L)	ClO ₂ (mg/L)	Flow ^{5,6} (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₂ (mg/L)	TA - SO ₄ (mg/L)	TA - NO ₃ - N (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)
12/01/16	918	73	0.22	ND	870	0				992		75.41					
12/02/16	932	82				0				1,015		91.47					
12/03/16	938	73				0				1,011	96	82.62					
12/04/16	938	72				0				1,009		80.20					
12/05/16	938	72				0				1,010		80.10					
12/06/16	937	73				0				1,010		85.00	170				
12/07/16	938	72				0				1,009		85.60					
12/08/16	938	74	0.14	ND	820	0				1,012		82.59					
12/09/16	938	70				0				1,008		84.53					
12/10/16	937	70				0				1,007		80.82					
12/11/16	940	69				0				1,009	100	80.07					
12/12/16	934	69				0	0.065	0.057	38	1,003		80.34					
12/13/16	938	72				0				1,010		79.93		9.3	0.056	0.051	
12/14/16	937	66				0				1,003		75.00					
12/15/16	897	68	0.24	ND	870	180				965		78.00					
12/16/16	938	67				0				1,005		88.44					
12/17/16	938	70				0				1,008	96	85.41					
12/18/16	931	70				0				1,001		79.36					
12/19/16	529	72				393				812		80.52					
12/20/16	468	72				431				934		65.00					
12/21/16	489	70				430				962		63.00					
12/22/16	494	70	0.21	ND	910	436				858		66.22					
12/23/16	731	65				754				825		72.79					
12/24/16	938	59				976				865	92	73.07					
12/25/16	937	55				224				993		73.74					
12/26/16	938	62				0				1,000		76.73					
12/27/16	912	69				46				981		77.25					
12/28/16	920	68				0				988		79.00		9.1	0.035	0.034	
12/29/16	938	80	1.0	ND	770	0				1,017		80.90					
12/30/16	937	76				0				1,012		85.87					
12/31/16	937	74				0				1,012		77.90					
Monthly Average ²	870	70	0.36	ND	847	125	0.065	0.057	38	979	96	79	170	1,400	9.0	0.060	0.047

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; ClO₂ = 10 ug/L; NO₃-N = 0.055 mg/L, Cr(VI) = 0.25 ug/L).
 1: ETI = Envirogen internal process control data, TA = TestAmerica data.
 2: All average concentrations reported are monthly flow weighted averages.
 3: On 12/15, flow through the GW-11 totalizer from 8:08 am to 1:38 pm.
 4: On 12/27, flow through the GW-11 totalizer from 11:20 am to 12:40 pm.
 5: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 11/27 to 12/18 and 12/25 to 12/31 due to flow reduction caused by algae, with the exception of brief flows on 12/15 and 12/27.
 6: FBR Plant Influent flows estimated using LS #2 and GWTP from 11/27 to 12/18 and 12/25 to 12/31.

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 ¹									
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ⁷ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₃ (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - SO ₄ (mg/L)	TA - NO ₃ - N (mg/L)	ETI - Turbidity (NTU)	
12/01/16	996	7.7	-364	837	6.6	-385	991		ND						8	
12/02/16	1,039	7.7	-374	981	6.6	-382	979		ND						3	
12/03/16	1,016	7.7	-388	810	6.6	-382	974	ND	ND						3	
12/04/16	996	7.7	-390	737	6.6	-384	978		ND						2	
12/05/16	1,044	7.6	-379	619	6.6	-386	984		ND	ND		1,400	0.31 J F1 F2		4	
12/06/16	999	7.6	-206	906	6.6	-383	984		ND						22	
12/07/16	1,061	7.7	-332	1004	6.6	-387	989		ND						28	
12/08/16	997	7.7	-334	913	6.6	-389	977		ND						30	
12/09/16	1,065	7.7	-328	960	6.6	-390	978		ND						25	
12/10/16	1,019	7.7	-337	646	6.6	-392	985	ND	ND						9	
12/11/16	1,016	7.7	-342	995	6.6	-393	990		ND						9	
12/12/16	1,011	7.7	-344	874	6.6	-392	987		ND	0.014	ND			ND	10	
12/13/16	996	7.7	-347	995	6.7	-401	939		ND						11	
12/14/16	1,005	7.7	-353	888	6.7	-396	974		ND						15	
12/15/16	1,011	7.7	-333	870	6.7	-372	958		ND						12	
12/16/16	1,057	7.7	-335	897	6.7	-379	989		ND						11	
12/17/16	1,016	7.6	-344	914	6.6	-383	984	ND	ND						10	
12/18/16	1,019	7.6	-351	851	6.6	-387	985		ND						8	
12/19/16	928	8.1	-136	658	6.8	-364	869		ND	0.028	ND		0.95		7	
12/20/16	937	8.1	-278	979	6.9	-359	866		ND						6	
12/21/16	917	8.0	-288	973	6.8	-372	935		ND						45	
12/22/16	733	8.0	-306	792	6.7	-378	848		ND						66	
12/23/16	794	8.1	-291	741	6.8	-385	627		ND						60	
12/24/16	910	8.1	-332	611	6.8	-389	843	ND	ND						22	
12/25/16	964	7.9	-353	837	6.7	-387	786		ND						100	
12/26/16	972	7.7	-327	875	6.5	-377	868		ND						100	
12/27/16	955	7.5	-313	903	6.5	-369	851		ND	0.013	0.00070 J		0.87		58	
12/28/16	1,046	7.7	-345	758	6.6	-375	965		ND						40	
12/29/16	1,201	7.7	-358	969	6.6	-380	997		ND						30	
12/30/16	1,081	7.7	-364	807	6.6	-388	979		ND						34	
12/31/16	1,094	7.7	-364	855	6.6	-388	973		ND						13	
Monthly Average ²	997	7.8	-332	853	6.7	-383	937	ND	ND	ND	0.016	0.00018	1,400	0.53	24	

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).

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.

F1 = MS and/or MSD Recovery is outside acceptance limits.

F2 = MS/MSD RPD exceeds control limits.

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

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

7: 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		
Date	Field Measurement (ft)	Volume (MG)
12/6/2016	25.5	42.5
12/27/2016	25.3	42.9

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ¹ (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
12/9/2016	119	4,210	0.1	0
12/23/2016	15	3,789	0	0

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

Notes:

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: 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.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics						
Date	Flow ¹ (gpm)	FBR Influent Concentration			Influent Function Load ² (lbs/day)	6 Month Rolling Average (lbs/day)
		ClO ₄ (mg/L)	NO ₃ as N (mg/L)	ClO ₃ (mg/L)		
Dec 2015	919	76	8.6	160	537	537
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

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

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E1-1				E1-2				E1-3				E2-1 ¹⁰			
	Flow ¹ (gpm)	Water Elevation (ft amsl)	Cr (VI) ^{1,5,6} (mg/L)	ClO ₄ ^{1,5,6} (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ^{1,7,8} (mg/L)	ClO ₄ ^{1,7,8} (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ^{1,9} (mg/L)	ClO ₄ ^{1,9} (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₄ ¹ (mg/L)
12/01/16	0	1728.86			0	1729.25			0	1729.52			0			
12/02/16	0	1728.76			0	1729.15			0	1729.43			0			
12/03/16	0				0				0				0			
12/04/16	0				0				0				0			
12/05/16	0				0				0				0			
12/06/16	0	1728.40			0	1728.71			0	1728.92			0			
12/07/16	0				0				0				0			
12/08/16	0				0				0				0			
12/09/16	0				0				0				0			
12/10/16	0				0				0				0			
12/11/16	0				0				0				0			
12/12/16	0				0				0				0			
12/13/16	0	1728.81			0	1729.21			0	1729.42			0			
12/14/16 ³	0.30				0.05				0.05				0			
12/15/16 ⁴	2.30	1719.68	0.021	1,700	0.65	1722.09	0.0066	1,900	0.60	1719.70	0.039	2,100	0			
12/16/16	2.78	1716.17			0.79	1721.39			0.72	1719.34			0			
12/17/16	3.58	1718.91			1.08	1721.25			0.95	1719.07			0			
12/18/16	2.92	1718.00			0.93	1721.01			0.84	1718.43			0			
12/19/16	3.09	1717.11	0.018	1,700	0.99	1718.18	0.021	2,300	0.81	1718.67	0.038	1,900	0			
12/20/16	3.38	1718.04			1.17	1716.27			0.95	1714.84			0			
12/21/16	3.24	1716.11			1.18	1715.03			0.97	1711.24			0			
12/22/16	3.10	1717.39	0.019	1,500	1.12	1716.50	0.026	2,500	0.92	1716.35	0.065	2,300	0			
12/23/16 ⁴	1.72	1717.33			0.63	1715.94			0.52	1714.18			0			
12/24/16	0				0				0				0			
12/25/16	0				0				0				0			
12/26/16	0				0				0				0			
12/27/16 ⁴	0.51	1720.51	0.019	1,750	0.15	1725.45	0.0045	1,400	0.16	1722.29	0.030	2,000	0			
12/28/16	5.08	1718.69			1.79	1716.29			1.50	1718.29			0			
12/29/16	3.57	1717.96	0.021	1,600	1.34	1719.01	0.028	2,200	0.98	1719.74	0.072	2,300	0			
12/30/16 ⁴	1.40	1719.81			0.47	1720.45			0.36	1720.94			0			
12/31/16	0				0				0				0			
Monthly Average ⁵	1.19	1720.62	0.019	1,651	0.40	1721.48	0.018	2,108	0.33	1720.61	0.048	2,106	0			

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 12/14.
- 4: System on from 12/15 to 12/23 and 12/27 to 12/30.
- 5: Duplicates taken on 12/22 for well E1-1; average of both values is used for calculation purposes. Cr (VI) analytical results were 0.019 mg/L for both the sample and the duplicate. ClO₄ analytical results were 1,600 mg/L for the sample and 1,400 mg/L for the duplicate.
- 6: Duplicates taken on 12/27 for well E1-1; average of both values is used for calculation purposes. Cr (VI) analytical results were 0.019 mg/L for both the sample and the duplicate. ClO₄ analytical results were 1,700 mg/L for the sample and 1,800 mg/L for the duplicate.
- 7: Duplicates taken on 12/19 for well E1-2; average of both values is used for calculation purposes. Cr (VI) analytical results were 0.020 mg/L for the sample and 0.022 mg/L for the duplicate. ClO₄ analytical results were 2,400 mg/L for the sample and 2,200 mg/L for the duplicate.
- 8: Duplicates taken on 12/29 for well E1-2; average of both values is used for calculation purposes. Cr (VI) analytical results were 0.026 mg/L for the sample and 0.029 mg/L for the duplicate. ClO₄ analytical results were 2,500 mg/L for the sample and 1,900 mg/L for the duplicate.
- 9: Duplicates taken on 12/15 for well E1-3; average of both values is used for calculation purposes. Cr (VI) analytical results were 0.036 mg/L for the sample and 0.042 mg/L for the duplicate. ClO₄ analytical results were 1,900 mg/L for the sample and 2,300 mg/L for the duplicate.
- 10: No flushing and no pumping occurring at E2 plot from 12/01 to 12/31.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																
Date	E2-2 ¹⁰				E2-3 ¹⁰				E2-4 ¹⁰				E2-5 ¹⁰			
	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₄ ⁻¹ (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₄ ⁻¹ (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₄ ⁻¹ (mg/L)	Flow (gpm)	Water Elevation (ft amsl)	Cr (VI) ¹ (mg/L)	ClO ₄ ⁻¹ (mg/L)
12/01/16	0				0				0				0			
12/02/16	0				0				0				0			
12/03/16	0				0				0				0			
12/04/16	0				0				0				0			
12/05/16	0				0				0				0			
12/06/16	0				0				0				0			
12/07/16	0				0				0				0			
12/08/16	0				0				0				0			
12/09/16	0				0				0				0			
12/10/16	0				0				0				0			
12/11/16	0				0				0				0			
12/12/16	0				0				0				0			
12/13/16	0				0				0				0			
12/14/16	0				0				0				0			
12/15/16	0				0				0				0			
12/16/16	0				0				0				0			
12/17/16	0				0				0				0			
12/18/16	0				0				0				0			
12/19/16	0				0				0				0			
12/20/16	0				0				0				0			
12/21/16	0				0				0				0			
12/22/16	0				0				0				0			
12/23/16	0				0				0				0			
12/24/16	0				0				0				0			
12/25/16	0				0				0				0			
12/26/16	0				0				0				0			
12/27/16	0				0				0				0			
12/28/16	0				0				0				0			
12/29/16	0				0				0				0			
12/30/16	0				0				0				0			
12/31/16	0				0				0				0			
Monthly Average ²	0				0				0				0			

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.
 10: No flushing and no pumping occurring at E2 plot from 12/01 to 12/31.

Figure 1 - GW-11 Pond Volume and Perchlorate Concentration

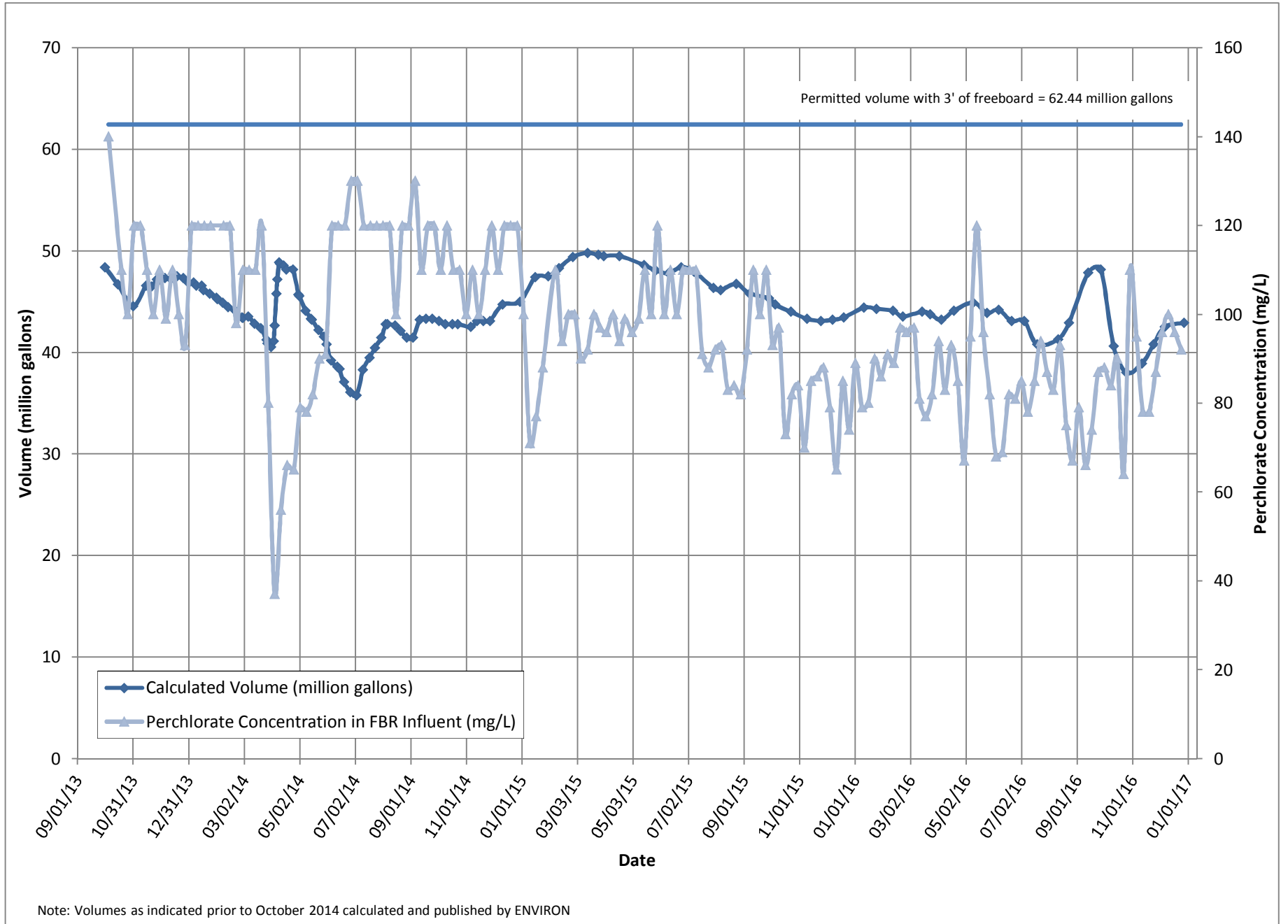


Figure 2 - FBR Equivalent Loading Calculation

