

Table 1 - Seep Well Field (SWF) Operational Metrics

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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	
10/01/16	468	154	1539.0	71	1541.9	107	1542.9	119	1537.3	65	1546.5	41	1548.5	0	1550.0	0	1549.8	8	1520.0	
10/02/16	469	154	1539.0	70	1542.0	107	1542.9	119	1537.3	65	1546.5	41	1548.5	0	1550.0	0	1549.8	8	1520.0	
10/03/16	469	154	1538.9	70	1541.9	107	1542.9	119	1537.2	65	1546.5	41	1548.4	0	1550.0	0	1549.8	8	1520.0	
10/04/16	469	153	1538.9	70	1541.8	106	1542.9	119	1537.2	64	1546.5	41	1548.4	0	1550.0	0	1549.8	8	1520.0	
10/05/16 ²	159	21	1539.0	9	1541.6	14	1542.9	15	1537.2	8	1546.5	6	1548.4	0	1550.0	0	1549.8	3	1520.0	
10/06/16	0	0	1547.6	0	1547.8	0	1548.5	0	1548.3	0	1550.4	0	1550.8	0	1551.5	0	1550.9	0	1551.1	
10/07/16	0	0	1548.0	0	1548.3	0	1548.0	0	1548.7	0	1550.8	0	1551.2	0	1551.9	0	1551.2	0	1551.5	
10/08/16	0	0	1548.3	0	1548.6	0	1549.3	0	1549.0	0	1551.1	0	1551.5	0	1552.1	0	1551.5	0	1551.8	
10/09/16	0	0	1548.5	0	1548.8	0	1549.5	0	1549.2	0	1551.3	0	1551.7	0	1552.3	0	1551.6	0	1552.0	
10/10/16	0	0	1548.7	0	1549.0	0	1549.7	0	1549.4	0	1551.5	0	1551.9	0	1552.5	0	1551.8	0	1552.2	
10/11/16 ³	10	3	1548.8	1	1549.1	1	1549.8	2	1549.5	1	1551.6	1	1552.0	0	1552.6	0	1551.9	0	1552.4	
10/12/16 ⁴	464	124	1548.9	59	1549.2	40	1549.9	94	1549.6	51	1551.7	32	1552.1	0	1552.7	11	1552.0	0	1552.5	
10/13/16	589	150	1541.5	54	1546.7	108	1544.5	116	1539.8	64	1548.0	62	1549.6	0	1551.3	0	1551.0	8	1521.8	
10/14/16	587	146	1540.9	52	1546.8	105	1544.2	113	1539.4	62	1547.7	59	1549.3	0	1551.1	0	1550.8	7	1520.0	
10/15/16	540	140	1540.6	52	1546.6	100	1543.9	53	1539.1	76	1547.5	49	1549.1	0	1550.9	9	1550.6	8	1520.0	
10/16/16	567	160	1540.2	67	1545.3	110	1540.2	112	1539.7	47	1548.1	53	1549.1	0	1550.1	0	1550.4	8	1520.0	
10/17/16	586	152	1540.0	64	1543.1	107	1543.6	107	1539.4	69	1546.9	53	1549.0	0	1550.7	0	1550.4	8	1520.0	
10/18/16	586	153	1740.1	63	1545.3	107	1547.1	108	1539.4	61	1547.6	58	1549.0	0	1550.7	0	1550.4	8	1520.0	
10/19/16	586	152	1539.7	63	1542.8	105	1543.5	107	1539.1	60	1547.1	57	1548.7	0	1550.5	0	1550.2	8	1520.0	
10/20/16	563	148	1539.7	61	1544.5	104	1543.4	104	1539.0	58	1547.1	56	1548.6	0	1550.4	0	1550.2	8	1520.0	
10/21/16	585	148	1539.7	62	1544.7	103	1543.4	104	1539.1	59	1547.1	57	1548.6	0	1550.4	0	1550.2	8	1520.0	
10/22/16	586	156	1539.9	64	1543.1	109	1543.3	109	1539.0	61	1547.0	59	1548.6	0	1550.4	0	1550.2	8	1520.0	
10/23/16	586	150	1539.8	62	1542.8	106	1543.3	106	1538.9	59	1547.0	57	1548.6	0	1550.3	0	1550.1	7	1520.0	
10/24/16	586	154	1539.8	63	1543.5	107	1543.3	108	1538.9	60	1547.0	58	1548.5	0	1550.3	0	1550.1	8	1520.0	
10/25/16	586	156	1539.8	64	1544.6	108	1543.3	110	1538.9	62	1547.0	59	1548.5	0	1550.3	0	1550.1	8	1520.0	
10/26/16	585	154	1539.7	64	1542.9	109	1543.3	109	1738.9	60	1547.0	58	1548.5	0	1550.3	0	1550.1	7	1520.0	
10/27/16	586	154	1539.7	63	1543.1	107	1543.3	108	1538.8	57	1547.1	58	1548.5	0	1550.3	0	1550.1	8	1520.0	
10/28/16	586	151	1539.8	62	1543.6	106	1543.3	106	1538.9	56	1547.1	57	1548.6	0	1550.4	0	1550.1	8	1520.0	
10/29/16	586	153	1539.8	63	1543.6	107	1543.3	107	1538.8	57	1547.1	57	1548.6	0	1550.3	0	1550.1	8	1520.0	
10/30/16	584	152	1539.8	63	1544.1	106	1543.3	106	1538.8	55	1547.1	57	1548.6	0	1550.4	0	1550.1	7	1520.0	
10/31/16	603	155	1539.8	64	1543.8	107	1543.3	109	1538.8	57	1547.1	58	1548.6	0	1550.4	0	1550.1	8	1520.0	
Monthly Average	438	118	1548.2	49	1544.9	81	1544.7	84	1547.5	47	1548.0	41	1549.4	0	1550.8	1	1550.5	6	1527.3	
Analytical ¹	Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)		Date	
Perchlorate	16	10/18/2016	17	10/18/2016	11	10/18/2016	9.7	10/18/2016	5.3	10/18/2016	0.71	10/18/2016	0.16	10/18/2016	0.21	10/18/2016	0.74	10/18/2016		
Hexavalent Chromium	0.00057	10/18/2016	ND	10/18/2016	ND	10/18/2016	0.00079	10/18/2016	ND	10/18/2016	ND	10/18/2016	ND	10/18/2016	ND	10/18/2016	ND	10/18/2016		
Total Chromium	ND	10/18/2016	ND	10/18/2016	ND	10/18/2016	ND	10/18/2016	ND	10/18/2016	ND	10/18/2016	ND	10/18/2016	ND	10/18/2016	ND	10/18/2016		

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 NA = Not Available; ND = Not detected above laboratory method detection limit (ClO₄ = 0.5 ug/L; Cr(TR)=2.5 ug/L, Cr(VI) = 1 ug/L).
 1: Analytical results are reported from TestAmerica.
 2: LS #1 and SWF wells turned off for pump upgrades on 10/05.
 3: Flows varied for LS #1 and SWF wells during testing of pump upgrades from 10/11 to 10/17.
 4: LS #1 and SWF wells online on 10/12 after pump upgrades.

Table 2 - Athens Well Field (AWF) Operational Metrics

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 (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	
10/01/16 ³	0	0	1590.7	0	1590.8	0	1589.8	0	1575.0	0	1583.1	0	1588.5	0	1587.2	0	1589.4	
10/02/16	0	0	1591.4	0	1591.4	0	1590.6	0	1575.0	0	1583.5	0	1589.0	0	1587.9	0	1590.0	
10/03/16	0	0	1591.8	0	1591.9	0	1591.1	0	1575.0	0	1583.7	0	1589.2	0	1588.4	0	1590.5	
10/04/16	0	0	1592.2	0	1592.3	0	1591.5	0	1575.0	0	1583.9	0	1589.4	0	1588.8	0	1590.9	
10/05/16	0	0	1592.5	0	1592.6	0	1591.8	0	1575.0	0	1584.1	0	1589.6	0	1589.2	0	1591.3	
10/06/16	0	0	1592.8	0	1592.3	0	1592.1	0	1575.0	0	1584.2	0	1589.7	0	1589.4	0	1591.7	
10/07/16	0	0	1593.1	0	1593.2	0	1592.4	0	1575.0	0	1584.4	0	1589.8	0	1589.7	0	1592.0	
10/08/16	0	0	1593.3	0	1593.4	0	1592.6	0	1575.0	0	1584.5	0	1590.0	0	1589.9	0	1592.3	
10/09/16	0	0	1593.5	0	1593.6	0	1592.8	0	1575.0	0	1584.6	0	1590.1	0	1590.1	0	1592.5	
10/10/16	0	0	1593.6	0	1593.8	0	1593.0	0	1575.0	0	1584.7	0	1590.2	0	1590.3	0	1592.7	
10/11/16	0	0	1593.8	0	1593.9	0	1593.2	0	1575.0	0	1584.8	0	1590.3	0	1590.5	0	1592.9	
10/12/16	0	0	1593.9	0	1594.1	0	1593.4	0	1575.0	0	1584.9	0	1590.4	0	1590.6	0	1593.1	
10/13/16 ⁴	1	0	1594.1	0	1594.2	5	1593.6	1	1575.0	0	1585.1	0	1590.5	0	1590.8	0	1593.2	
10/14/16	18	0	1594.2	5	1594.3	10	1593.7	1	1575.0	0	1585.1	0	1590.6	7	1590.9	0	1593.4	
10/15/16	0	0	1594.3	0	1594.4	4	1593.8	0	1575.0	0	1585.2	0	1590.7	1	1591.0	0	1593.5	
10/16/16	0	0	1594.4	0	1594.5	3	1593.9	0	1575.0	0	1585.3	0	1590.7	0	1591.1	0	1593.6	
10/17/16	1	0	1594.5	1	1594.6	3	1594.1	0	1575.0	0	1585.4	0	1590.8	0	1591.2	0	1593.7	
10/18/16 ⁵	48	0	1594.6	35	1594.7	14	1594.2	4	1575.0	0	1585.4	0	1590.9	0	1591.3	0	1593.8	
10/19/16	118	0	1594.3	62	1593.7	21	1582.3	8	1575.0	0	1585.5	0	1590.9	28	1590.8	3	1593.4	
10/20/16	215	0	1593.9	63	1593.2	21	1583.1	8	1575.0	101	1585.6	13	1591.0	42	1588.0	0	1590.0	
10/21/16	223	0	1593.7	75	1593.0	34	1578.4	6	1575.0	95	1583.9	24	1579.6	26	1588.0	0	1593.0	
10/22/16	270	0	1593.6	83	1592.8	37	1590.0	6	1575.0	101	1583.6	24	1579.1	44	1589.7	3	1592.8	
10/23/16	297	0	1593.2	83	1592.4	41	1589.6	7	1575.0	90	1579.8	24	1578.8	59	1586.2	3	1590.5	
10/24/16	257	0	1593.0	83	1592.1	31	1589.3	8	1575.0	97	1579.3	24	1582.9	58	1586.2	3	1590.5	
10/25/16	254	0	1593.0	65	1592.1	38	1575.0	7	1575.0	74	1582.8	18	1583.3	60	1586.2	3	1590.5	
10/26/16	219	0	1593.0	60	1592.3	22	1591.4	7	1575.0	62	1583.0	18	1586.8	58	1586.2	4	1588.1	
10/27/16	219	0	1593.0	61	1592.4	22	1576.0	7	1575.0	62	1583.0	18	1586.8	58	1586.3	4	1588.0	
10/28/16	218	0	1593.0	59	1592.4	22	1575.8	7	1575.0	61	1583.0	18	1586.8	59	1586.3	4	1588.0	
10/29/16	218	0	1593.1	58	1592.8	22	1590.8	7	1575.0	61	1575.0	19	1578.0	59	1586.2	3	1588.0	
10/30/16	217	0	1593.1	59	1592.8	22	1590.8	7	1575.0	60	1575.0	18	1578.0	58	1586.3	4	1587.9	
10/31/16	265	0	1593.1	58	1592.8	22	1590.8	7	1575.0	61	1575.0	18	1578.0	58	1586.2	4	1588.0	
Monthly Average	99	0	1593.3	29	1593.1	13	1589.4	3	1575.0	30	1583.1	8	1587.3	22	1588.7	1	1591.3	
Analytical ¹	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L)		Date	Conc (mg/L) ²		Date	Conc (mg/L)		Date	Conc (mg/L)		Date
Perchlorate	25	10/26/2016	31	10/26/2016	220	10/26/2016	210	10/26/2016	190	10/26/2016	120	10/26/2016	120	10/26/2016	160	10/26/2016	160	10/26/2016
Hexavalent Chromium	0.0030	10/26/2016	0.011	10/26/2016	0.30	10/26/2016	0.39	10/26/2016	0.74	10/26/2016	0.66	10/26/2016	0.12	10/26/2016	0.32	10/26/2016	0.32	10/26/2016
Total Chromium	0.013	10/26/2016	0.0092	10/26/2016	0.27	10/26/2016	0.36	10/26/2016	0.78	10/26/2016	0.63	10/26/2016	0.12	10/26/2016	0.34	10/26/2016	0.34	10/26/2016

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading. NA = Not Available.
 1: Analytical results are reported from TestAmerica.
 2: Concentrations reported for ART-9.
 3: LS #3 and AWF turned off for pump upgrade from 09/28 to 10/18, with the exception of testing beginning 10/13 for select wells.
 4: Sporadic flow for LS #3 and AWF wells during testing of pump upgrades from 10/13 to 10/21.
 5: AWF wells individually brought online from 10/18 to 10/22.

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)
10/01/16	0.23	1722.8	0.94	1710.9	0.00	1710.0	0.00	1723.5	0.00	1725.0	0.47	1711.3	3.75	1716.2	2.43	1706.0	1.13	1708.7	3.75	1705.0
10/02/16	0.23	1722.7	0.94	1710.8	0.00	1710.0	0.00	1723.5	0.00	1725.0	0.47	1710.0	3.75	1716.4	2.40	1706.0	1.00	1708.7	3.75	1705.0
10/03/16 ²	0.22	1722.3	0.88	1710.7	0.00	1710.0	0.00	1723.4	0.00	1725.0	0.44	1710.8	2.46	1716.6	2.33	1706.0	1.21	1708.7	3.52	1705.0
10/04/16	0.14	1722.4	0.63	1720.8	0.00	1721.4	0.00	1721.9	0.00	1725.0	0.49	1722.0	4.12	1710.0	2.26	1706.1	1.36	1708.7	4.23	1705.0
10/05/16	0.15	1716.0	0.75	1714.8	0.00	1710.0	0.00	1723.5	0.00	1725.0	0.54	1714.2	4.05	1710.0	2.20	1706.1	1.35	1708.7	4.23	1705.0
10/06/16	0.15	1716.4	0.75	1714.6	0.00	1710.0	0.00	1723.4	0.00	1725.0	0.55	1714.5	4.04	1710.0	2.16	1706.0	1.35	1708.7	4.21	1705.0
10/07/16	0.15	1716.4	0.76	1714.6	0.00	1710.0	0.00	1723.4	0.00	1725.0	0.56	1713.2	4.02	1710.0	2.14	1706.0	1.35	1708.7	4.15	1705.0
10/08/16	0.15	1716.4	0.76	1714.5	0.00	1710.0	0.00	1723.4	0.00	1725.0	0.52	1713.4	3.95	1710.0	2.12	1706.0	1.34	1708.7	4.09	1705.0
10/09/16	0.15	1716.1	0.76	1714.4	0.00	1710.0	0.00	1723.4	0.00	1725.0	0.49	1714.4	3.90	1710.0	2.10	1706.0	1.34	1708.7	4.22	1705.0
10/10/16	0.16	1715.7	0.64	1714.4	0.00	1710.0	0.00	1723.4	0.00	1725.0	0.51	1713.6	3.85	1710.0	2.08	1706.0	1.33	1708.7	4.22	1705.0
10/11/16	0.19	1714.3	0.66	1715.6	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.52	1714.0	3.85	1710.0	2.07	1706.1	1.33	1708.7	4.19	1705.0
10/12/16	0.19	1714.1	0.65	1715.5	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.52	1714.1	3.90	1710.0	2.05	1706.0	1.32	1708.7	4.22	1705.0
10/13/16	0.29	1715.1	0.44	1715.4	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.35	1713.9	3.70	1710.0	2.05	1706.0	1.32	1708.7	4.22	1705.0
10/14/16	0.29	1714.0	0.47	1717.4	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.39	1717.2	3.89	1710.0	2.04	1706.0	1.31	1708.7	4.22	1705.0
10/15/16	0.28	1714.8	0.47	1717.2	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.39	1716.9	3.94	1710.0	2.03	1706.0	1.31	1708.7	4.22	1705.0
10/16/16	0.28	1715.0	0.47	1717.2	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.38	1717.2	4.04	1710.0	2.02	1706.1	1.32	1708.7	4.22	1705.0
10/17/16	0.28	1715.2	0.49	1717.1	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.40	1717.0	4.13	1710.0	2.02	1706.0	1.31	1709.1	4.22	1705.0
10/18/16	0.28	1715.3	0.48	1717.2	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.39	1717.7	4.17	1710.0	2.04	1706.0	1.31	1708.0	4.21	1705.0
10/19/16	0.32	1715.3	0.48	1717.2	0.00	1710.0	0.00	1723.3	0.00	1724.9	0.35	1718.1	4.21	1710.0	2.05	1706.1	1.31	1708.0	4.22	1705.0
10/20/16	0.32	1714.9	0.47	1717.2	0.00	1710.0	0.00	1723.3	0.00	1724.9	0.35	1718.1	4.12	1710.0	2.05	1706.0	1.31	1708.0	4.22	1705.0
10/21/16	0.32	1715.1	0.47	1717.2	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.41	1717.5	3.97	1710.0	2.03	1706.1	1.36	1708.0	4.22	1705.0
10/22/16	0.32	1715.4	0.47	1717.2	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.41	1716.8	3.92	1710.0	2.01	1706.0	1.38	1708.0	4.22	1705.0
10/23/16	0.31	1717.1	0.47	1717.2	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.41	1716.7	3.94	1710.0	2.00	1706.0	1.38	1708.0	4.22	1705.0
10/24/16	0.50	1719.2	0.35	1717.2	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.16	1716.9	3.67	1710.0	2.02	1706.1	1.36	1708.0	4.10	1705.0
10/25/16	0.64	1714.0	0.35	1718.0	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.22	1720.4	3.75	1713.3	2.07	1706.0	1.39	1708.0	4.38	1705.0
10/26/16	0.66	1714.0	0.35	1718.0	0.00	1710.0	0.00	1723.5	0.00	1724.9	0.20	1720.3	3.75	1713.6	2.11	1706.0	1.39	1708.0	4.67	1705.0
10/27/16	0.65	1714.0	0.35	1718.2	0.00	1710.0	0.00	1723.5	0.00	1724.9	0.23	1720.5	3.75	1714.0	2.15	1706.0	1.40	1708.0	4.66	1705.0
10/28/16	0.61	1714.0	0.35	1718.2	0.00	1710.0	0.00	1723.5	0.00	1724.9	0.23	1720.3	3.75	1714.2	2.18	1706.1	1.40	1708.0	4.65	1705.0
10/29/16	0.59	1714.0	0.35	1718.2	0.00	1710.0	0.00	1723.4	0.00	1724.9	0.23	1720.4	3.75	1714.3	2.21	1706.0	1.40	1708.0	4.65	1705.0
10/30/16	0.58	1714.0	0.35	1718.2	0.00	1710.0	0.00	1723.5	0.00	1724.9	0.23	1720.4	3.74	1714.3	2.24	1706.0	1.40	1708.0	3.20	1705.0
10/31/16	0.56	1714.0	0.35	1718.2	0.64	1710.0	0.00	1723.4	0.00	1724.9	0.22	1720.4	3.75	1714.4	2.27	1706.2	1.41	1708.0	3.92	1705.0
Monthly Average	0.33	1716.1	0.55	1716.2	0.02	1710.4	0.00	1723.4	0.00	1724.9	0.39	1716.5	3.86	1711.5	2.13	1706.0	1.33	1708.4	4.17	1705.0
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	1.400	10/10/2016	0.0086	10/10/2016	320	10/10/2016	190	10/4/2016	120	10/4/2016	400	10/10/2016	530	10/10/2016	550	10/10/2016	440	10/10/2016	640	10/10/2016
Hexavalent Chromium	ND	10/10/2016	0.049	10/10/2016	0.046	10/10/2016	ND	10/4/2016	0.72	10/4/2016	0.055	10/10/2016	2.7	10/10/2016	6.1	10/10/2016	7.3	10/10/2016	12	10/10/2016
Total Chromium	0.36	10/10/2016	0.054	10/10/2016	0.054	10/10/2016	1.2	10/4/2016	0.70	10/4/2016	0.060	10/10/2016	2.5	10/10/2016	5.5	10/10/2016	7.1	10/10/2016	12	10/10/2016

Flow reported as gpm is a daily average calculated from the totalizer reading. NA=Not Available.
 1: Analytical results are reported from TestAmerica.
 2: IWF offline from 10 pm to 11:30 pm on 10/03.
 3: Well I-AB repaired on 10/31 and remained on to verify repair.
 4: Flow in well I-F decreased during fuse failure on 10/30. Well was repaired on 10/31.

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)
10/01/16	0.12	1711.0	0.94	1709.1	3.75	1721.3	7.50	1707.0	3.75	1709.1	1.99	1712.7	1.88	1719.0	3.75	1712.0	0.47	1720.8	2.64	1709.8
10/02/16	0.12	1711.0	0.94	1709.1	3.75	1721.3	7.50	1707.0	3.75	1708.9	1.87	1712.8	1.88	1719.1	3.75	1712.0	0.47	1720.8	2.68	1709.4
10/03/16 ²	0.12	1711.0	0.89	1709.1	3.52	1721.3	7.03	1707.0	2.50	1708.9	1.93	1712.6	1.25	1719.3	3.52	1711.9	0.30	1720.8	2.52	1709.4
10/04/16	0.14	1711.0	1.19	1709.2	4.94	1721.8	6.49	1707.0	3.63	1709.1	1.85	1714.3	1.53	1720.2	3.66	1712.0	0.56	1721.2	2.68	1709.4
10/05/16	0.14	1711.0	1.16	1709.2	4.96	1721.5	6.40	1707.0	3.59	1709.2	1.80	1711.9	1.52	1720.3	3.63	1712.0	0.55	1721.0	2.57	1709.5
10/06/16	0.14	1711.0	1.13	1709.2	4.94	1721.3	6.36	1707.0	3.57	1708.9	1.78	1712.1	1.52	1720.3	3.60	1712.0	0.48	1720.9	2.48	1709.4
10/07/16	0.14	1711.0	1.10	1709.1	4.93	1721.3	6.34	1707.0	3.57	1708.9	1.77	1713.0	1.52	1720.3	3.57	1712.0	0.46	1720.9	2.43	1709.5
10/08/16	0.14	1711.0	1.09	1709.1	4.92	1721.3	6.32	1707.0	3.55	1708.9	1.75	1712.8	1.52	1720.3	3.56	1712.0	0.43	1720.9	2.40	1709.4
10/09/16	0.14	1711.0	1.07	1709.0	4.92	1721.3	6.32	1707.0	3.55	1708.9	1.74	1713.0	1.52	1720.2	3.55	1712.0	0.42	1720.9	2.39	1709.4
10/10/16	0.14	1711.0	1.11	1709.1	4.92	1721.3	6.32	1707.0	3.51	1709.0	1.73	1712.6	1.52	1720.2	3.52	1712.0	0.43	1720.9	2.37	1709.4
10/11/16	0.14	1711.0	1.11	1709.0	4.92	1721.2	6.20	1707.0	3.49	1708.9	1.72	1712.1	1.52	1720.2	3.49	1712.0	0.44	1720.9	2.37	1710.0
10/12/16	0.14	1710.0	1.11	1709.1	4.92	1721.2	6.15	1707.0	3.49	1708.9	1.71	1711.9	1.52	1720.2	3.47	1712.0	0.44	1720.9	2.36	1709.4
10/13/16	0.14	1710.0	1.01	1709.1	5.13	1721.2	6.14	1707.0	3.48	1708.9	1.75	1712.5	1.52	1720.2	3.46	1712.0	0.53	1720.9	2.33	1709.5
10/14/16	0.14	1710.0	1.10	1709.1	5.13	1721.2	6.13	1707.0	3.48	1708.9	1.83	1711.6	1.52	1720.2	3.45	1712.0	0.51	1720.8	2.35	1709.4
10/15/16	0.14	1710.0	1.09	1709.1	5.13	1721.2	6.12	1707.0	3.48	1708.9	1.80	1711.6	1.52	1720.2	3.42	1712.0	0.47	1720.8	2.31	1709.4
10/16/16	0.14	1710.0	1.11	1709.1	5.13	1721.2	6.12	1707.0	3.48	1708.9	1.92	1711.6	1.52	1720.2	3.40	1712.0	0.47	1720.9	2.35	1709.3
10/17/16	0.14	1710.0	1.11	1709.1	5.13	1721.2	6.11	1707.0	3.54	1708.9	2.24	1711.6	1.52	1720.1	3.33	1712.0	0.47	1720.9	2.34	1709.3
10/18/16	0.13	1710.0	1.08	1709.0	5.14	1721.2	6.29	1707.0	3.52	1708.9	2.36	1711.5	1.52	1720.1	3.33	1712.7	0.45	1720.8	2.31	1709.4
10/19/16	0.13	1710.0	1.10	1709.1	5.13	1721.1	6.55	1707.0	3.50	1708.9	2.28	1711.8	1.41	1720.1	3.34	1713.0	0.44	1720.8	2.31	1709.4
10/20/16	0.13	1710.0	1.08	1709.1	5.13	1721.1	6.54	1707.0	3.50	1708.9	1.96	1711.7	1.41	1720.2	3.33	1712.7	0.41	1720.8	2.28	1710.2
10/21/16	0.14	1710.0	1.08	1709.1	5.13	1721.1	6.55	1707.0	3.50	1708.9	1.83	1711.8	1.41	1720.0	3.33	1713.2	0.41	1720.8	2.28	1709.7
10/22/16	0.13	1710.0	1.04	1709.1	4.74	1721.2	6.55	1707.0	3.49	1709.0	1.78	1711.7	1.41	1720.1	3.33	1712.9	0.41	1720.8	2.27	1710.0
10/23/16	0.13	1710.0	1.09	1709.1	4.69	1721.1	6.53	1707.0	3.48	1708.9	1.78	1712.8	1.41	1720.1	3.33	1713.1	0.41	1720.8	2.26	1709.4
10/24/16	0.13	1710.0	1.09	1709.1	4.58	1721.1	6.42	1707.0	3.47	1708.9	1.96	1712.7	1.38	1720.1	3.35	1713.0	0.39	1720.8	2.28	1709.3
10/25/16	0.13	1710.0	1.09	1709.1	4.69	1721.1	6.55	1707.0	3.50	1708.9	2.08	1711.8	1.41	1720.3	3.39	1712.7	0.41	1720.8	2.27	1709.4
10/26/16	0.14	1710.0	1.11	1709.1	4.68	1721.1	6.53	1707.0	3.47	1708.9	2.14	1711.7	1.40	1720.4	3.42	1712.7	0.41	1720.8	2.26	1709.3
10/27/16	0.14	1710.0	1.13	1709.1	4.69	1721.1	6.53	1707.0	3.48	1708.9	2.18	1711.9	1.41	1720.4	3.48	1712.7	0.41	1720.8	2.30	1710.1
10/28/16	0.13	1710.0	1.11	1709.1	4.69	1721.1	6.51	1707.0	3.46	1708.9	2.20	1711.8	1.41	1720.5	3.54	1712.7	0.41	1720.8	2.28	1709.3
10/29/16	0.13	1710.0	1.11	1709.1	4.69	1721.1	6.51	1707.0	3.46	1708.9	2.20	1711.7	1.41	1720.5	3.59	1712.7	0.40	1720.8	2.27	1709.4
10/30/16	0.13	1710.0	1.10	1709.1	4.67	1721.1	6.49	1707.0	3.66	1708.9	2.21	1711.8	1.40	1720.6	3.70	1712.7	0.40	1720.8	2.25	1709.4
10/31/16	0.14	1710.0	1.11	1709.1	4.69	1721.1	6.51	1707.0	3.67	1708.9	2.22	1711.6	1.41	1720.6	3.75	1712.7	0.40	1720.8	2.26	1709.6
Monthly Average	0.14	1710.4	1.08	1709.1	4.79	1721.2	6.47	1707.0	3.50	1708.9	1.95	1712.2	1.49	1720.1	3.49	1712.4	0.44	1720.9	2.37	1709.5
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	1,400	10/10/2016	1,300	10/10/2016	770	10/4/2016	310	10/4/2016	180	10/4/2016	800	10/10/2016	680	10/10/2016	460	10/10/2016	750	10/10/2016	980	10/10/2016
Hexavalent Chromium	23	10/10/2016	20	10/10/2016	10	10/4/2016	3.2	10/4/2016	1.9	10/4/2016	0.52	10/10/2016	7.4	10/10/2016	7.4	10/10/2016	18	10/10/2016	19	10/10/2016
Total Chromium	23	10/10/2016	18	10/10/2016	11	10/4/2016	3.4	10/4/2016	2.1	10/4/2016	0.53	10/10/2016	6.7	10/10/2016	6.8	10/10/2016	18	10/10/2016	18	10/10/2016

Flow reported as gpm is a daily average calculated from the totalizer reading. NA=Not Available.
 1: Analytical results are reported from TestAmerica.
 2: IWF offline from 10 pm to 11:30 pm on 10/03.

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 (gpm)	Water Elevation (ft amsl)	Flow ³ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow ⁴ (gpm)	Water Elevation (ft amsl)	Flow ⁷ (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)	Flow (gpm)	Water Elevation (ft amsl)
10/01/16	0.52	1711.4	0.94	1707.0	3.75	1710.0	0.47	1705.0	0.83	1707.4	3.75	1718.6	0.94	1710.0	1.88	1706.2	1.84	1705.0	7.50	1710.0
10/02/16	0.52	1711.4	0.94	1707.0	3.75	1710.0	0.47	1705.0	0.83	1707.4	3.75	1718.6	0.94	1710.0	1.88	1705.2	1.85	1705.0	7.50	1710.0
10/03/16 ²	0.50	1711.5	0.88	1707.0	3.52	1710.0	0.44	1705.0	0.78	1707.4	3.52	1718.5	0.88	1710.0	1.76	1705.0	1.21	1705.0	7.03	1710.0
10/04/16	0.49	1711.5	1.29	1707.0	3.88	1710.0	0.47	1705.0	0.83	1707.4	2.69	1722.0	0.96	1710.0	1.86	1704.3	1.59	1710.1	7.72	1710.0
10/05/16	0.49	1711.4	1.36	1707.0	3.77	1710.0	0.46	1705.0	0.83	1707.4	4.34	1719.0	0.92	1710.0	1.84	1706.0	1.52	1710.3	7.55	1710.0
10/06/16	0.48	1711.5	1.36	1707.0	3.80	1710.0	0.46	1705.0	0.82	1707.0	4.33	1718.7	0.90	1710.0	1.85	1705.3	1.53	1712.1	7.46	1710.0
10/07/16	0.48	1711.5	1.36	1707.0	3.75	1710.0	0.46	1705.0	0.82	1707.4	4.34	1718.6	0.89	1710.0	1.82	1703.8	1.55	1711.5	7.44	1710.0
10/08/16	0.48	1711.5	1.34	1707.0	3.75	1710.0	0.46	1705.0	0.82	1707.4	4.33	1718.6	0.89	1710.0	1.80	1704.9	1.54	1711.9	7.41	1710.0
10/09/16	0.47	1711.4	1.17	1707.0	3.75	1710.0	0.46	1705.0	0.82	1707.4	4.33	1718.5	0.89	1710.0	1.76	1707.0	1.53	1711.3	7.39	1710.0
10/10/16	0.47	1711.6	1.17	1707.0	3.75	1710.0	0.46	1705.0	0.82	1707.4	4.33	1718.5	0.88	1710.0	1.76	1706.4	1.53	1710.9	7.44	1710.0
10/11/16	0.47	1711.4	1.26	1707.0	3.75	1710.0	0.46	1705.0	0.82	1707.4	4.34	1718.5	0.88	1710.0	1.76	1705.9	1.53	1711.8	7.44	1710.0
10/12/16	0.46	1711.4	1.34	1707.0	3.75	1710.0	0.46	1705.0	0.82	1707.4	4.37	1718.5	0.87	1710.0	1.76	1705.5	1.50	1711.3	7.44	1710.0
10/13/16	0.46	1711.5	1.20	1707.0	3.47	1710.0	0.46	1705.0	0.82	1707.3	4.42	1718.4	0.87	1710.0	1.76	1704.8	1.38	1712.7	7.43	1710.0
10/14/16	0.46	1711.5	1.27	1707.0	3.53	1710.0	0.46	1705.0	0.82	1707.3	4.40	1718.4	0.86	1710.0	1.76	1704.3	1.44	1713.7	7.42	1710.0
10/15/16	0.46	1711.8	1.29	1707.0	3.52	1710.0	0.46	1705.0	0.82	1707.4	4.22	1718.4	0.87	1710.0	1.76	1703.7	1.46	1713.7	7.40	1710.0
10/16/16	0.46	1711.8	1.29	1707.0	1.66	1710.0	0.46	1705.0	0.82	1707.4	4.22	1718.4	0.87	1710.0	1.78	1703.4	1.43	1713.8	7.47	1710.0
10/17/16	0.46	1711.5	1.29	1707.0	0.11	1710.0	0.46	1705.0	0.82	1707.4	4.22	1718.4	0.82	1710.0	1.87	1703.4	1.36	1715.3	7.50	1710.0
10/18/16	0.45	1711.4	1.29	1707.0	0.08	1710.0	0.46	1705.0	0.82	1707.3	4.22	1718.3	0.82	1710.0	1.83	1704.1	1.36	1716.0	7.50	1710.0
10/19/16	0.45	1711.4	1.29	1707.0	2.78	1710.0	0.46	1705.0	0.82	1707.4	4.22	1718.3	0.82	1710.0	1.71	1703.2	1.38	1716.0	7.50	1710.0
10/20/16	0.45	1711.4	1.29	1707.0	4.22	1710.0	0.45	1705.0	0.82	1707.4	4.22	1718.3	0.83	1710.0	1.64	1706.0	1.40	1715.7	7.49	1710.0
10/21/16	0.45	1711.8	1.28	1707.0	4.22	1710.0	0.46	1705.0	0.82	1707.3	4.22	1718.3	0.84	1710.0	1.64	1706.0	1.38	1715.5	7.50	1710.0
10/22/16	0.45	1711.6	1.29	1707.0	3.95	1710.0	0.45	1705.0	0.82	1707.4	4.22	1718.3	0.83	1710.0	1.64	1705.8	1.37	1715.5	7.50	1710.0
10/23/16	0.45	1711.6	1.28	1707.0	4.01	1710.0	0.45	1705.0	0.82	1707.3	4.22	1718.2	0.83	1710.0	1.64	1705.3	1.39	1715.4	7.49	1710.0
10/24/16	0.45	1711.6	1.15	1707.0	3.23	1710.0	0.45	1705.0	0.81	1707.3	4.13	1718.2	0.82	1710.0	1.61	1705.2	1.35	1715.2	7.34	1710.0
10/25/16	0.45	1711.5	1.17	1707.0	3.28	1710.0	0.45	1705.0	0.79	1707.3	4.39	1718.3	0.82	1710.0	1.64	1712.0	1.21	1719.4	7.50	1710.0
10/26/16	0.45	1711.8	1.17	1707.0	3.28	1710.0	0.47	1705.0	0.00	1718.7	4.68	1718.2	0.82	1710.0	1.64	1711.8	1.16	1716.3	7.49	1710.0
10/27/16	0.45	1711.7	1.17	1707.0	3.28	1710.0	0.47	1705.0	0.74	1720.8	4.69	1718.2	0.82	1710.0	1.64	1712.0	1.17	1716.7	7.50	1710.0
10/28/16	0.45	1711.5	1.17	1707.0	3.28	1710.0	0.46	1705.0	0.83	1707.3	4.69	1718.2	0.83	1710.0	1.64	1712.2	1.17	1716.6	7.49	1710.0
10/29/16	0.45	1711.9	1.17	1707.0	3.28	1710.0	0.46	1705.0	0.82	1707.4	4.69	1718.2	0.83	1710.0	1.64	1712.2	1.16	1716.8	7.50	1710.0
10/30/16	0.45	1711.4	1.17	1707.0	3.27	1710.0	0.46	1705.0	0.81	1707.3	4.67	1718.2	0.87	1710.0	1.43	1712.6	1.16	1716.9	7.48	1710.0
10/31/16	0.47	1711.6	1.17	1707.0	3.38	1710.0	0.46	1705.0	0.82	1707.4	4.69	1718.1	0.93	1710.0	1.41	1713.8	1.16	1713.4	7.50	1710.0
Monthly Average	0.47	1711.5	1.22	1707.0	3.32	1710.0	0.46	1705.0	0.79	1708.2	4.25	1718.5	0.87	1710.0	1.72	1706.7	1.41	1713.4	7.46	1710.0
Analytical ¹	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate	1,100	10/10/2016	950	10/10/2016	450	10/10/2016	1,500	10/10/2016	1,500	10/10/2016	910	10/11/2016	770	10/10/2016	970	10/10/2016	1,200	10/10/2016	370	10/4/2016
Hexavalent Chromium	21	10/10/2016	0.25	10/10/2016	1.0	10/10/2016	23	10/10/2016	22	10/10/2016	16	10/11/2016	18	10/10/2016	9.9	10/10/2016	0.40	10/10/2016	8.1	10/4/2016
Total Chromium	24	10/10/2016	0.27	10/10/2016	0.93	10/10/2016	22	10/10/2016	21	10/10/2016	14	10/11/2016	17	10/10/2016	9.6	10/10/2016	0.39	10/10/2016	8.9	10/4/2016

Flow reported as gpm is a daily average calculated from the totalizer reading. NA=Not Available.
 1: Analytical results are reported from TestAmerica.
 2: IWF offline from 10 p.m. to 11:30 p.m. on 10/03.
 5: Flow in well I-S decreased during motor failure from 10/16 to 10/18. Motor replaced on 10/18.
 6: Well I-U discovered to be offline on 10/26. Well was repaired on 10/27.
 7: Well I-V discovered to be offline on 10/04. Well was repaired on 10/04.

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 [†]							
	Flow ^{4,5,6,7} (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow ⁸ (gpm)	Cr (TR) (mg/L)	Cr (VI) (mg/L)	ClO ₂ (mg/L)	Flow ^{9,10} (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₄ (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)
10/01/16	468	74				0				811	88	81					
10/02/16	469	71				0				806		77					
10/03/16	469	62				0				892		74	190	1,100	9.1	0.015	0.0011
10/04/16	469	63				0				831		67					
10/05/16	159	64				0				852		76					
10/06/16	0	64	0.15	ND	730	0				853		113					
10/07/16	14	63				13				850		113					
10/08/16	0	66				7				872	84	110					
10/09/16	0	67				0				845		110					
10/10/16	0	68				0				836		110			6.7	0.024	0.0018
10/11/16	1	67				0				855		113					
10/12/16	481	67				465				852		104					
10/13/16	585	66	0.18	ND	650	632				932		96					
10/14/16	596	70				654				916		56					
10/15/16	540	67				597				838	90	55					
10/16/16	568	67				626				800		57					
10/17/16	584	64				640				810		56			5.0	0.018	0.0015
10/18/16	631	65				681				816		56					
10/19/16	699	67				754	0.88	0.0051	57	823		57					
10/20/16	766	71	0.94	ND	630	257				837		55					
10/21/16	801	73				1				875		90					
10/22/16	848	66				0				913	64	88					
10/23/16	875	69				0				944		90					
10/24/16	837	68				10				905		76			12	0.082	0.090
10/25/16	828	69				0				897		83					
10/26/16	794	66				0				860		84					
10/27/16	792	61	0.45	ND	800	0				854		87					
10/28/16	793	61				0				854		78					
10/29/16	787	62				0				849	110	83					
10/30/16	787	63				0				850		79					
10/31/16	856	65				0				921		82			11	0.033	0.015
Monthly Average ⁸	532	66	0.41	ND	706	172	0.88	0.0051	57	860	86	83	190	1,100	8.6	0.036	0.024

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); NA = Not Available, sample result not reported.
 1: ETI = Envirogen internal process control data, TA = TestAmerica data.
 2: All average concentrations reported are monthly flow weighted averages.
 4: LS #2 flow affected by LS #3 and AWF off for pump upgrade beginning 09/28.
 5: LS #2 turned off for pump upgrade on 10/05.
 6: LS #2 and GW-11 Influent flows affected by pump upgrade testing in LS #2 on 10/07 and 10/11.
 7: LS #2 online on 10/12.
 8: Flows bypassed GW-11 Influent and FBR Plant Influent totalizers from 09/13 to 10/11 and 10/21 to 10/31 due to FBR plant influent strainers clogging.
 9: FBR Plant Influent flow estimated using 1st Stage FBR Influent from 09/29 to 10/04 due to transition to TK-101 for influent flow during pump upgrade.
 10: FBR Plant Influent flows estimated using LS #2 and GWTP from 10/20 to 10/31.

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 ³									
	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow (gpm)	pH (s.u.)	ORP (mV)	Flow ^{11,12} (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₄ (mg/L)	TA - ClO ₂ (mg/L)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - SO ₂ (mg/L)	TA - NO ₃ - N (mg/L)	ETI - Turbidity (NTU)	
10/01/16	811	7.5	-351	729	6.5	-361	385	ND	ND						8	
10/02/16	806	7.5	-347	812	6.5	-362	396		ND						10	
10/03/16	892	7.4	-356	787	6.5	-367	469		ND	ND	ND	1,000	0.60		14	
10/04/16	831	7.3	-364	759	6.5	-365	818		ND						12	
10/05/16	846	7.3	-331	734	6.7	-363	656		ND						12	
10/06/16	866	7.3	-349	785	6.4	-387	836		ND						18	
10/07/16	826	7.4	-360	872	6.6	-388	862		ND						24	
10/08/16	897	7.3	-349	850	6.5	-385	885	ND							48	
10/09/16	820	7.2	-333	776	6.5	-377	868		ND						20	
10/10/16	840	7.4	-346	871	6.5	-380	857		ND	0.0036	ND		ND		22	
10/11/16	856	7.2	-323	821	6.4	-368	869		ND						32	
10/12/16	668	7.3	-340	525	6.4	-369	863		ND						30	
10/13/16	798	7.7	-370	780	6.7	-395	875		ND						25	
10/14/16	589	7.7	-363	685	6.7	-389	826		ND						2	
10/15/16	807	7.5	-334	818	6.7	-375	802	ND							8	
10/16/16	844	7.5	-277	724	6.7	-369	755		ND						12	
10/17/16	819	7.4	-328	624	6.7	-373	764		ND	0.0051	ND		ND		14	
10/18/16	870	7.3	-332	853	6.6	-380	771		ND						8	
10/19/16	735	7.3	-339	647	6.6	-380	767		ND						25	
10/20/16	937	8.0	-365	917	6.6	-353	800		ND						25	
10/21/16	936	7.9	-351	723	6.7	-360	866		ND						50	
10/22/16	943	7.8	-347	821	6.6	-351	893	ND							5	
10/23/16	913	7.8	-356	747	6.6	-361	876		ND						6	
10/24/16	910	7.8	-364	698	6.6	-362	869		ND	0.0077	ND		ND		5	
10/25/16	895	7.7	-331	751	6.6	-367	887		ND						2	
10/26/16	903	7.6	-310	916	6.5	-365	812		ND						14	
10/27/16	901	7.6	-310	850	6.5	-363	892		ND						2	
10/28/16	894	7.5	-304	690	6.5	-367	892		ND						1	
10/29/16	907	7.5	-321	712	6.5	-370	884	ND							1	
10/30/16	891	7.5	-134	693	6.5	-377	878		ND						1	
10/31/16	863	7.6	-300	746	6.6	-376	706		ND	0.0076	ND		0.23		12	
Monthly Average ⁴	849	7.5	-331	765	6.6	-371	793	ND	ND	ND	0.0050	ND	1,000	0.12	15	

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); NA = Not Available, sample result not reported.
 1: ETI = Envirogen internal process control data, TA = TestAmerica data.
 2: All average concentrations reported are monthly flow weighted averages.
 3: 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 raw effluent flow.
 11: FBR Plant Effluent flow decreased due to FBR plant effluent strainers clogging from 09/30 to 10/03 because of transition to TK-101 for influent flow during LS #2 and LS #3 pump upgrades.
 12: FBR Plant down for upgrade of FBR Plant Effluent flow meter on 10/26.

GW-11 Level Monitoring		
Date	Field Measurement (ft)	Volume (MG)
10/11/2016	27.0	40.6
10/25/2016	28.9	38.0

GW-11 Leak Detection Monitoring				
Date	Amount Pumped ¹ (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
10/14/2016	0	1,944	0	0
10/28/2016	0	3,639	0	0

GW-11 Composite Sample ²		
Analytes	Concentration	Units
Perchlorate	65	mg/L
Chlorate	120	mg/L
Ammonia as N	0.80	mg/L
Total Phosphorus	0.034	mg/L
Total Dissolved Solids (TDS)	6,200	mg/L
Total Suspended Solids (TSS)	43	mg/L
pH	8.2	s.u.
Calcium	300	mg/L
Iron	0.42	mg/L
Chromium (total)	0.027	mg/L
Chromium VI	0.0037	mg/L
Chloride	1,800	mg/L
Nitrate as N	4.3	mg/L
Sulfate	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)		
Nov 2015	927	82	6.6	140	496	536
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

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

Figure 1 - GW-11 Pond Volume and Perchlorate Concentration

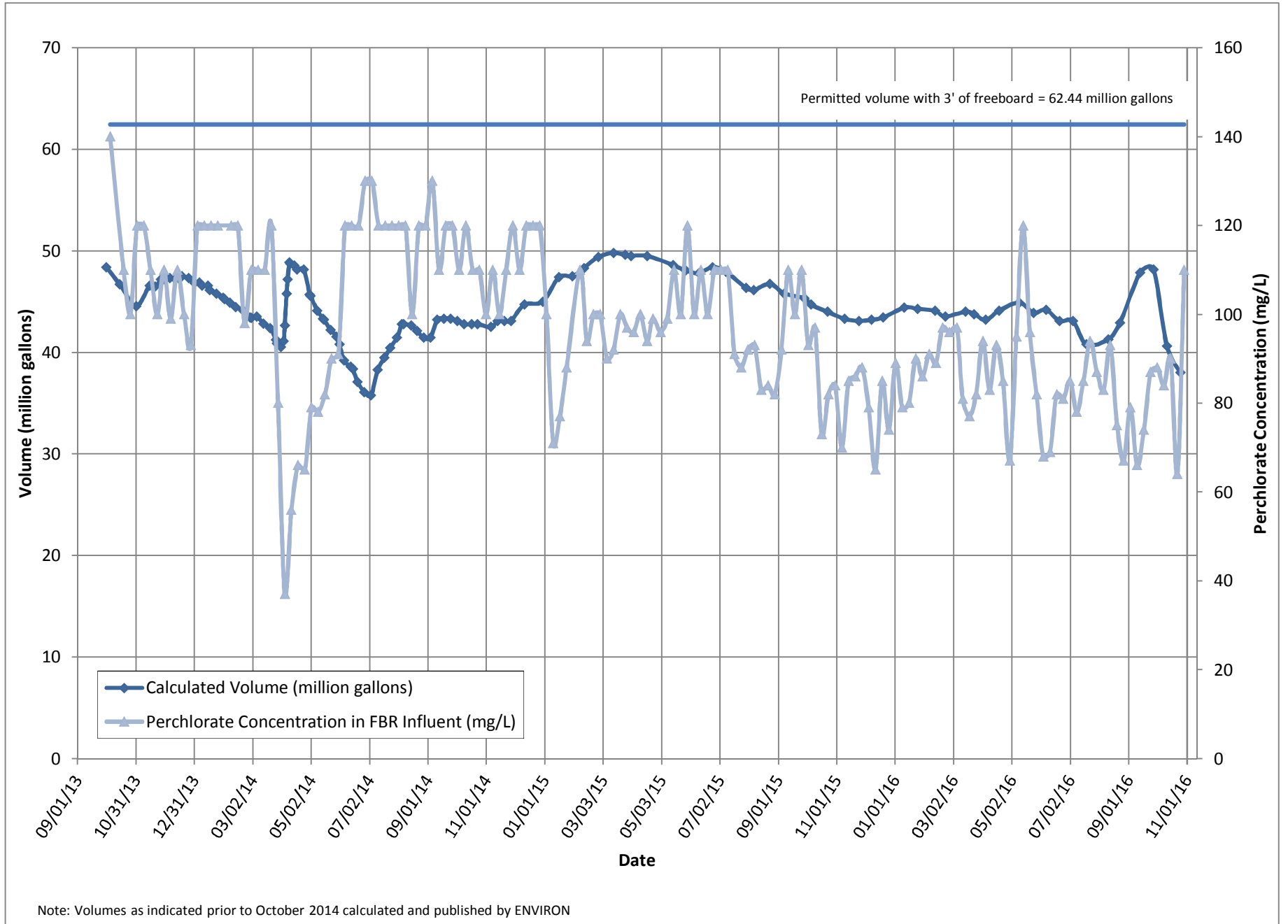


Figure 2 - FBR Equivalent Loading Calculation

