

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) Flow (gpm) Level (ft)	Center Well (PC99R2/99R3) Flow (gpm) Level (ft)	West Well (PC-115R) Flow (gpm) Level (ft)	PC 117 Flow (gpm) Level (ft)	PC 118 Flow (gpm) Level (ft)	PC 119 Flow (gpm) Level (ft)	PC 120 Flow (gpm) Level (ft)	PC 121 Flow (gpm) Level (ft)	PC 121 Flow (gpm) Level (ft)	PC 121 Flow (gpm) Level (ft)	PC 133 Flow (gpm) Level (ft)	PC 133 Flow (gpm) Level (ft)	
02/01/15	620	124	61	91	94	78	63	0	6			4		
02/02/15	615	121	60	90	94	78	63	0	0			4		
02/03/15	626	124	63	94	94	78	63	0	0			4		
02/04/15	624	124	62	96	93	78	63	0	0			4		
02/05/15	633	138	78	94	111	78	63	0	0			3		
02/06/15	659	156	85	101	125	78	54	0	0			4		
02/07/15	660	156	94	109	125	78	47	0	0			4		
02/08/15	658	156	93	110	125	78	47	0	0			4		
02/09/15	649	156	94	109	124	78	47	0	0			4		
02/10/15	647	156	94	109	125	78	47	0	0			4		
02/11/15	648	157	94	110	125	78	47	0	0			4		
02/12/15	641	156	94	109	125	78	47	0	0			4		
02/13/15	643	156	94	110	125	78	47	0	0			4		
02/14/15	643	156	94	109	125	78	47	0	0			4		
02/15/15	641	156	94	110	125	78	47	0	0			4		
02/16/15	639	156	94	109	125	78	47	0	0			4		
02/17/15	640	156	94	109	125	78	47	0	0			4		
02/18/15	631	156	94	106	124	78	47	0	0			4		
02/19/15	631	156	94	108	125	78	47	0	0			4		
02/20/15	628	156	93	108	125	78	47	0	0			4		
02/21/15	643	156	94	108	125	78	47	0	0			4		
02/22/15	653	156	94	108	124	78	47	0	0			4		
02/23/15	654	157	90	107	126	78	47	0	0			4		
02/24/15	649	156	94	108	124	78	47	0	0			4		
02/25/15	651	156	94	106	125	78	47	0	0			4		
02/26/15	651	156	94	106	125	78	47	0	0			4		
02/27/15	655	156	94	106	125	78	47	0	0			4		
02/28/15	660	156	86	106	125	78	47	0	0			4		
Monthly Average	642	151	88	105	120	78	50	0.00	0.20			4		
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
Perchlorate	17	2/2/2015	18	2/2/2015	10	2/2/2015	9.3	2/2/2015	2.9	2/2/2015	0.4	2/2/2015	0.17	2/2/2015
Hexavalent Chromium	Future Metric - Enhanced Operations													
Total Chromium ²	0.0038	2/2/2015	0.0026	2/2/2015	ND	2/2/2015	0.0027	2/2/2015	ND	2/2/2015	ND	2/2/2015	ND	2/2/2015

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: Quarterly results, most recent sampling concentrations listed (Samples will be transitioned to monthly reporting in the future).

Table 2 - Athens Road Well Field (AWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																											
Date	LS #3 Flow (gpm)	ART 1		ART 2		ART 3		ART 4		ART 9 Flow (gpm)	ART 6 Level (ft)	ART 9 Level (ft)	ART 7B		ART 8		PC-150										
		Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)				Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow ³ (gpm)	Level (ft)									
02/01/15	313	15		63		45		9		51			31		63		5										
02/02/15	299	16 ¹		63		44		0 ²		51			31		63		5										
02/03/15	256	8		62		44		0		48			31		61		5										
02/04/15	244	7 ²		59		42		10 ²		51			31		59		5										
02/05/15	250	10		62		33		15		56			31		65		5										
02/06/15	249	19		63		19 ³		15		61			31		72		5										
02/07/15	250	6	Future Metric - Enhanced Operations	63	Future Metric - Enhanced Operations	46	Future Metric - Enhanced Operations	15	Future Metric - Enhanced Operations	55	Future Metric - Enhanced Operations	Future Metric - Enhanced Operations	31	Future Metric - Enhanced Operations	63	Future Metric - Enhanced Operations	5	Future Metric - Enhanced Operations									
02/08/15	250	6		63		42		15		54			31		63												
02/09/15	249	6		62		46		15		55			31		63												
02/10/15	250	6		63		46		15		54			31		63												
02/11/15	246	8		61		40		14		60			31		63												
02/12/15	250	8		63		46		15		63			31		63												
02/13/15	250	8		63		46		15		63			31		63												
02/14/15	250	8		63		46		15		63			31		63												
02/15/15	249	8		63		46		15		63			31		63												
02/16/15	250	8		62		45		15		62			31		63												
02/17/15	250	8		63		46		15		63			31		63												
02/18/15	244	8		60		44		14		60			30		60												
02/19/15	250	8		63		45		14		63			31		63												
02/20/15	250	8		63		46		14		63			31		63												
02/21/15	361	8		63		45		14		56			31		63												
02/22/15	556	8		59		43		15		60			30		59												
02/23/15	251	8		63		46		15		63			31		63												
02/24/15	241	8		62		46		15		63			31		63												
02/25/15	250	8		63		45		15		63			31		63												
02/26/15	250	8		62		45		15		62			31		62												
02/27/15	250	8		63		45		15		63			31		63												
02/28/15	246	8		61		44		15		64			31		60												
Monthly Average	316	9				62				43					13				59			31		62		5	
Analytical ⁴		Conc (mg/L)		Date		Conc (mg/L)		Date		Conc (mg/L)			Date		Conc (mg/L)		Date		ART-6 (mg/L)	ART-9 (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date	Conc (mg/L)	Date
Perchlorate		16		2/2/2015		34		2/2/2015		220			2/2/2015		250		2/2/2015		30	200	2/2/2015	150	2/2/2015	150	2/2/2015	160	2/2/2015
Hexavalent Chromium		Future Metric - Enhanced Operations																									
Total Chromium ⁵		0.0029		2/2/2015		0.017		2/2/2015		0.37			2/2/2015		0.54		2/2/2015		0.15	0.79	2/2/2015	0.87	2/2/2015	0.18	2/2/2015	0.29	2/2/2015

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: ART-4 was taken off line in order to repair a leak to the piping in the LS containment. ART-1 flow was increased to compensate for the loss of flow.
 2: Piping was repaired and ART-4 was put back online. Also, the flow of ART-1 was returned to normal.
 3: ART-3A had a blown fuse and was back online at 2 PM on 2/7/2015.
 4: Analytical results are reported from TestAmerica.
 5: Quarterly results, most recent sampling concentrations listed (Samples will be transitioned to monthly reporting in the future).

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)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)
02/01/15	0.68		1.32		0.00		0.00		0.00		1.01		5.94		1.82		1.25		4.60	
02/02/15	0.68		1.31		0.00		0.00		0.00		0.97		5.98		1.84		1.23		4.73	
02/03/15	0.68		1.31		0.00		0.00		0.00		0.97		6.01		1.84		1.21		4.72	
02/04/15	0.67		1.30		0.00		0.00		0.00		0.97		5.92		1.81		1.22		4.73	
02/05/15	0.68		1.31		0.00		0.00		0.00		0.98		6.00		1.84		1.20		4.75	
02/06/15	0.68		1.30		0.00		0.00		0.00		1.03		5.99		1.84		1.21		4.67	
02/07/15	0.67		1.30		0.00		0.00		0.00		1.00		5.84		1.83		1.22		4.75	
02/08/15	0.68		0.60		0.00		0.00		0.00		0.94		5.62		1.84		1.20		4.62	
02/09/15	0.68		0.23		0.00		0.00		0.00		1.02		5.68		1.86		1.22		4.78	
02/10/15	0.69		0.22		0.00		0.00		0.00		0.92		5.57		1.83		1.20		4.60	
02/11/15	0.68		0.81		0.00		0.00		0.00		1.09		5.54		1.84		1.20		4.69	
02/12/15	0.69		0.78		0.00		0.00		0.00		1.26		5.60		1.86		1.20		4.69	
02/13/15	0.68		0.75		0.00		0.00		0.00		1.23		5.56		1.83		1.18		4.53	
02/14/15	0.67		0.76		0.00		0.00		0.00		1.23		5.55		1.85		1.18		4.64	
02/15/15	0.70		0.82		0.00		0.00		0.00		1.24		5.68		1.87		1.19		4.66	
02/16/15	0.69		0.74		0.00		0.00		0.00		1.22		5.62		1.84		1.20		4.67	
02/17/15	0.68		0.75		0.00		0.00		0.00		1.21		5.49		1.80		1.24		4.49	
02/18/15	0.69		0.73		0.00		0.00		0.00		1.17		5.35		1.71		1.19		4.35	
02/19/15	0.67		0.77		0.00		0.00		0.00		1.19		5.84		1.83		1.23		4.74	
02/20/15	0.67		0.77		0.00		0.00		0.00		1.23		5.75		1.84		1.23		4.62	
02/21/15	0.66		0.70		0.00		0.00		0.00		1.16		5.43		1.83		1.24		4.71	
02/22/15	0.68		0.46		0.00		0.00		0.00		1.18		5.52		1.88		1.25		4.73	
02/23/15	0.67		0.45		0.00		0.00		0.00		1.22		4.45		1.75		1.23		4.55	
02/24/15	0.68		0.65		0.00		0.00		0.00		0.98		4.20		1.76		1.23		4.67	
02/25/15	0.68		0.75		0.00		0.00		0.00		1.34		4.32		1.75		1.25		4.58	
02/26/15	0.68		0.75		0.00		0.00		0.00		1.20		4.40		1.77		1.25		4.65	
02/27/15	0.66		0.66		0.00		0.00		0.00		1.13		4.25		1.72		1.22		4.57	
02/28/15	0.67		0.59		0.00		0.00		0.00		1.21		4.39		1.78		1.24		4.64	
Monthly Average	0.68		0.82		0.00		0.00		0.00		1.12		5.41		1.82		1.22		4.65	
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 ²	2500	2/23/2015	120	2/23/2015	560	2/23/2015	37	2/26/2015	140	2/26/2015	1200	2/23/2015	960	2/23/2015	800	2/23/2015	870	2/23/2015	1200	2/23/2015
Hexavalent Chromium	Future Metric - Enhanced Operations																			
Total Chromium ²	0.56	2/23/2015	0.13	2/23/2015	0.12	2/23/2015	0.61	2/26/2015	1.3	2/26/2015	0.17	2/23/2015	2.9	2/23/2015	5.4	2/23/2015	8	2/23/2015	17	2/23/2015

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Analytical results are reported from TestAmerica.
 2: Quarterly results, most recent sampling concentrations listed (Samples will be transitioned to monthly reporting in the future).

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)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)
02/01/15	0.20		1.09		4.84		7.08		4.34		2.94		2.35		1.59		2.05		2.56	
02/02/15	0.21		1.06		4.89		6.97		4.29		2.84		2.33		1.59		1.93		2.45	
02/03/15	0.19		1.03		4.92		6.92		4.28		2.88		2.33		1.59		1.84		2.36	
02/04/15	0.19		1.01		4.79		6.71		4.16		2.86		2.32		1.57		1.78		2.27	
02/05/15	0.20		0.99		4.85		6.74		4.21		2.93		2.33		1.59		1.89		2.24	
02/06/15	0.21		0.98		4.91		6.77		4.25		2.92		2.33		1.58		1.58		2.22	
02/07/15	0.20		0.96		4.86		6.67		4.19		2.80		2.33		1.58		1.70		2.21	
02/08/15	0.21		0.96		4.85		6.66		4.20		2.82		2.32		1.57		1.69		2.18	
02/09/15	0.20		0.97		4.77		6.56		4.14		2.86		2.35		1.60		1.71		2.21	
02/10/15	0.21		0.96		4.84		6.64		4.21		2.93		2.32		1.56		1.69		2.17	
02/11/15	0.20		0.95		4.82		6.61		4.20		2.87		2.35		1.56		1.63		2.17	
02/12/15	0.20		0.95		4.87		6.69		4.26		2.94		2.37		1.57		1.67		2.18	
02/13/15	0.19		0.94		4.95		6.78		4.30		2.94		2.32		1.54		1.64		2.14	
02/14/15	0.19		0.95		4.84		6.63		4.20		2.94		2.33		1.55		1.68		2.16	
02/15/15	0.19		0.94		4.82		6.59		4.19		3.02		2.37		1.57		1.69		2.16	
02/16/15	0.19		0.94		4.85		6.64		4.20		2.99		2.36		1.54		1.67		2.13	
02/17/15	0.18		0.94		4.70		6.53		4.16		2.93		2.31		1.50		1.62		2.15	
02/18/15	0.18		0.93		4.51		6.37		4.03		2.96		2.18		1.41		1.62		2.11	
02/19/15	0.17		0.94		4.85		6.69		4.27		3.10		2.33		1.51		1.63		2.15	
02/20/15	0.18		0.94		4.85		6.65		4.28		3.10		2.34		1.51		1.61		2.14	
02/21/15	0.17		0.93		4.86		6.67		4.27		3.10		2.36		1.50		1.62		2.13	
02/22/15	0.18		0.94		4.70		6.44		4.10		3.13		2.34		1.52		1.62		2.13	
02/23/15	0.17		0.92		4.85		6.62		4.21		2.88		2.29		1.47		1.57		2.08	
02/24/15	0.17		0.92		4.85		4.77		4.23		2.80		2.30		1.48		1.57		2.08	
02/25/15	0.18		0.92		4.84		2.52 ³		4.31		2.84		2.29		1.47		1.55		2.09	
02/26/15	0.18		0.95		4.86		4.45 ³		4.45		2.91		2.32		1.49		1.62		2.12	
02/27/15	0.17		0.93		4.90		7.05		4.43		2.84		2.26		1.45		1.59		2.07	
02/28/15	0.18		0.93		4.89		6.83		4.31		2.96		2.34		1.49		1.60		2.10	
Monthly Average	0.19		0.96		4.83		6.40		4.24		2.93		2.32		1.53		1.68		2.18	
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 ²	1500	2/23/2015	2300	2/23/2015	990	2/26/2015	330	2/27/2015	280	2/26/2015	940	2/23/2015	1200	2/23/2015	970	2/23/2015	1300	2/23/2015	1500	2/23/2015
Hexavalent Chromium	Future Metric - Enhanced Operations																			
Total Chromium ³	22	2/23/2015	21	2/23/2015	11	2/26/2015	3.4	2/27/2015	1.5	2/26/2015	0.95	2/23/2015	8	2/23/2015	9.3	2/23/2015	16	2/23/2015	18	2/23/2015

Notes:

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

1: Analytical results are reported from TestAmerica.

2: Quarterly results, most recent sampling concentrations listed (Samples will be transitioned to monthly reporting in the future).

3: I-J had a drop in flow for two days due to faulty transformer. Transformer was replaced 3/3/2015.

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)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)	Flow (gpm)	Level (ft)
02/01/15	0.50		2.41		5.29		0.00		0.96		5.01		1.01		3.69		1.59		7.56	
02/02/15	0.49		2.41		5.30		0.00		0.95		5.05		1.00		3.61		1.57		7.57	
02/03/15	0.49		2.42		5.33		0.42 ³		0.94		5.08		0.92		3.55		1.57		7.59	
02/04/15	0.47		2.38		5.14		0.49		0.93		4.96		0.85		3.49		1.58		7.38	
02/05/15	0.48		2.40		5.14		0.00		0.94		5.00		0.82		3.49		1.57		7.43	
02/06/15	0.47		2.40		5.16		0.00		0.95		5.06		0.80		3.45		1.58		7.48	
02/07/15	0.47		2.41		5.20		0.00		0.95		5.00		0.79		3.44		1.58		7.36	
02/08/15	0.46		2.42		5.20		0.00		0.94		5.00		0.78		3.40		1.57		7.35	
02/09/15	0.46		2.40		5.25		0.00		0.95		4.92		0.79		3.45		1.59		7.23	
02/10/15	0.47		2.37		5.20		0.00		0.94		4.98		0.77		3.39		1.59		7.31	
02/11/15	0.46		2.33		5.20		0.07 ³		0.93		4.99		0.73		3.39		1.57		7.32	
02/12/15	0.46		2.31		5.25		0.42		0.92		5.04		0.67		3.40		1.58		7.37	
02/13/15	0.45		2.31		5.21		0.49		0.91		5.11		0.67		3.35		1.59		7.48	
02/14/15	0.45		2.31		5.20		0.43		0.91		5.00		0.67		3.36		1.57		7.29	
02/15/15	0.44		1.53		5.31		0.47		0.92		4.98		0.71		3.40		1.60		7.25	
02/16/15	0.45		2.97		5.24		0.41		0.92		5.00		0.71		3.37		1.60		7.29	
02/17/15	0.44		2.26		5.15		0.21		0.91		4.83		0.62		3.37		1.60		7.15	
02/18/15	0.44		2.26		4.95		0.41		0.90		4.65		0.74		3.31		1.53		6.96	
02/19/15	0.45		2.36		5.30		0.49		0.91		4.99		0.82		3.45		1.60		7.38	
02/20/15	0.45		2.34		5.31		0.41		0.91		4.98		0.79		3.42		1.59		7.33	
02/21/15	0.45		2.30		5.27		0.43		0.91		4.98		0.80		3.42		1.60		7.30	
02/22/15	0.45		2.35		5.38		0.51		0.92		4.81		0.82		3.44		1.60		7.04	
02/23/15	0.44		2.39		4.18		0.41		0.91		4.96		0.77		3.38		1.55		7.26	
02/24/15	0.44		2.39		4.04		0.43		0.92		4.94		0.76		3.40		1.51		7.23	
02/25/15	0.44		2.49		4.26		0.00		0.93		4.93		0.75		3.40		1.51		7.42	
02/26/15	0.45		2.56		4.33		0.42 ³		0.94		4.93		0.77		3.42		1.56		7.52	
02/27/15	0.44		2.47		4.21		0.48		0.91		4.96		0.75		3.33		1.50		7.53	
02/28/15	0.45		2.55		4.44		0.43		0.94		4.94		0.79		3.43		1.56		7.41	
Monthly Average	0.46		2.37		5.02		0.28		0.93		4.97		0.78		3.43		1.57		7.35	
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 ²	1800	2/23/2015	1600	2/23/2015	650	2/23/2015	2000	2/23/2015	2000	2/23/2015	1200	2/26/2015	1300	2/23/2015	1500	2/23/2015	1600	2/23/2015	440	2/26/2015
Hexavalent Chromium	Future Metric - Enhanced Operations																			
Total Chromium ³	22	2/23/2015	0.5	2/23/2015	1.7	2/23/2015	23	2/23/2015	23	2/23/2015	11	2/26/2015	15	2/23/2015	12	2/23/2015	0.94	2/23/2015	7.4	2/26/2015

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading
 1: Analytical results are reported from TestAmerica.
 2: Quarterly results, most recent sampling concentrations listed (Samples will be transitioned to monthly reporting in the future).
 3: I-T was reset. This well has no motor saver and needs to be reset after every East Well Field shut down. No mechanical trouble.

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																		
Date	LS #2	GWTP Effluent ¹				GW-11 Influent ²				FBR Plant Influent ¹								
	Flow (gpm)	Flow (gpm)	TA - Cr (TR) (mg/L)	TA - Cr (VI) (mg/L)	TA - ClO ₂ (mg/L)	Flow (gpm)	Cr (TR) (mg/L)	Cr (VI) (mg/L)	ClO ₂ (mg/L)	Flow ³ (gpm)	TA - ClO ₂ (mg/L)	ETI - ClO ₂ (mg/L)	TA - ClO ₃ (mg/L)	TA - SO ₄ (mg/L)	TA - NO ₃ - N (mg/L)	TA-Cr (TR) (mg/L)	TA-Cr (VI) (mg/L)	
02/01/15	750	63				NA				813		102						
02/02/15	733	64				NA				797		102	210	1200	9.5	0.057	0.031	
02/03/15	751	64				NA				814		102						
02/04/15	748	63				811						101						
02/05/15	890	63	0.39	ND	840							78						
02/06/15	997	62				1059						79						
02/07/15	1001	62				1063						77	110					
02/08/15	999	62				1061						76						
02/09/15	999	62				1061						0			5.2	0.052	0.045	
02/10/15	998	62				1059						70						
02/11/15	1001	62				1062						70						
02/12/15	999	62	0.58	ND	1100							71						
02/13/15	1000	63				1063						70						
02/14/15	999	62				1061						72	94					
02/15/15	999	62				1061						74						
02/16/15	999	61				1061						75						
02/17/15	1000	61				1061						77			7.4	0.058	0.043	
02/18/15	999	59				1058						76						
02/19/15	1000	62	0.46	ND	910							76						
02/20/15	999	62				1061						77						
02/21/15	1000	62				1062						77	100					
02/22/15	997	61				1058						78						
02/23/15	1003	61				1064						77			7.0	0.062	0.046	
02/24/15	998	62				1060						77						
02/25/15	1000	54				1054						77						
02/26/15	1000	60	0.32	ND	920							78						
02/27/15	999	62				1062						79						
02/28/15	1001	61				1062						79	100					
Monthly Average	948	62	0.44	ND	943	1021						101	77	210	1,200	7	0.06	0.04

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).

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

2: NA = Not Available. Combined LS#2 and GWTP flow is sent to FBRs on days when GW-11 is bypassed.

3: FBR Plant Influent Flow calculated as the sum of GWTP Effluent Flow + LS2 Flow.

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 (gpm)	TA - ClO ₄ (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)	
02/01/15	Future Metric - Enhanced Operations	7.2	-382	Future Metric - Enhanced Operations	7	-334.0	864								8	
02/02/15		7.2	-377		7.1	-305	901			ND						7
02/03/15		7.1	-378		7.2	-362	837									17
02/04/15		7.2	-356		7.3	-353	932									13
02/05/15		7.1	-330		7.2	-351	927									23
02/06/15		7.1	-343		7.2	-352	959									24
02/07/15		7.1	-358		7.3	-359	964		ND							18
02/08/15		7.2	-382		7.4	-368	979									21
02/09/15		7.2	-387		7.4	-365	919					0.024	ND			72
02/10/15		7.3	-388		7.5	-365	976								ND	34
02/11/15		7.3	-385		7.5	-361	957									42
02/12/15		7.2	-382		7.5	-365	951									13
02/13/15		7.2	-381		7.5	-362	983									14
02/14/15		7.1	-374		7.4	-361	956		ND							9
02/15/15		7.1	-293		7.4	-357	955									4
02/16/15		7.1	-242		7.4	-359	961									5
02/17/15		7.1	-333		7.4	-360	961					0.0064	ND		ND	4
02/18/15		7.1	-353		7.5	-366	959									5
02/19/15		7.2	-369		7.4	-363	904									6
02/20/15		7.1	-364		7.4	-361	928									12
02/21/15		7.2	-382		7.4	-365	909		ND							11
02/22/15		7.3	-390		7.6	-361	952									4
02/23/15		7.3	-396		7.5	-360	946									5
02/24/15		7.3	-397		7.5	-359	945					0.029	ND		ND	9
02/25/15		7.3	-397		7.4	-359	945									12
02/26/15		7.3	-398		7.4	-360	928									8
02/27/15		7.3	-397		7.4	-358	920									14
02/28/15		7.3	-403		7.7	-372	851		ND	ND						22
Monthly Average		7.2	-368		7.4	-358	935	ND	ND	ND	0.02	ND	1,200	ND	16	

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).

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

GW-11 Level Monitoring		
Date	Field Measurement (ft)	Volume (MG)
2/11/2015	21.3	48.3
2/26/2015	20.4	49.4

GW-11 Leak Detection Monitoring ¹				
Date	Amount Pumped (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
2/11/2015	235	2915	50	1540
2/26/2015	588	2799	305	207

GW-11 Composite Sample ²		
Analytes	Concentration	Units
Perchlorate	87	mg/L
Chlorate	150	mg/L
Ammonia as N	0.15	mg/L
Total Phosphorus	0.19	mg/L
Total Dissolved Solids (TDS)	5700	mg/L
Total Suspended Solids (TSS)	25	mg/L
pH	8.47	s.u.
Calcium	280	mg/L
Iron	1.4	mg/L
Chromium (total)	0.18	mg/L
Chromium VI	0.047	mg/L
Chloride	1600	mg/L
Nitrate as N	6.5	mg/L
Sulfate	1400	mg/L

Notes:

1: Following video scope inspections on December 11 and December 29, 2014, it was determined that the pumps in the northwest (NW), southeast (SE), and southwest (SW) GW-11 leak detection points were not set at or near the bottom. Subsequently in late December, pumps in the NW, SE, and SW leak detection points were lowered to the bottom near the sumps located in each corner of the GW-11 Pond. Due to the presence of an obstruction in the riser pipe, the pump in the NE leak detection point is currently not positioned at or near the bottom of the leak detection point. The pump in the NE leak detection point is at approximately 94 feet from the surface, with the bottom of the NE leak detection point estimated to be approximately 115 feet from the surface. In addition, pumps in the leak detection points were operated on a more frequent basis in January to collect additional data relative to gaining a better understanding of the rate at which water may be accumulating in the GW-11 Pond leak detection system. The increased volumes of water pumped from the GW-11 leak detection points is likely related to lowering the pumps, and the increased pumping frequency during January. ETI has returned to pumping the leak detection points twice each month in February. Tetra Tech is currently evaluating the volumes as reported by ETI, the integrity GW-11 Pond liner system, and potential corrective actions to overcome the obstruction and lower the pump to the bottom of the NE leak detection point.

2: Corner Composite Sample collected on: February 27, 2015.

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)		
Mar 2014	958	106	9.8	210	732	768
Apr 2014	966	56	4.0	110	376	554
May 2014	951	84	8.9	170	594	567
June 2014	906	123	9.0	220	735	609
July 2014	786	123	8.8	220	636	615
Aug 2014	880	116	10.6	190	663	623
Sept 2014	828	120	10.8	200	649	609
Oct 2014	825	113	12.0	200	645	654
Nov 2014	828	108	9.4	160	548	646
Dec 2014	785	118	11	210	628	628
Jan 2015	844	84	6.6	190	542	613
Feb 2015	1021	101	7.0	210	738	630

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

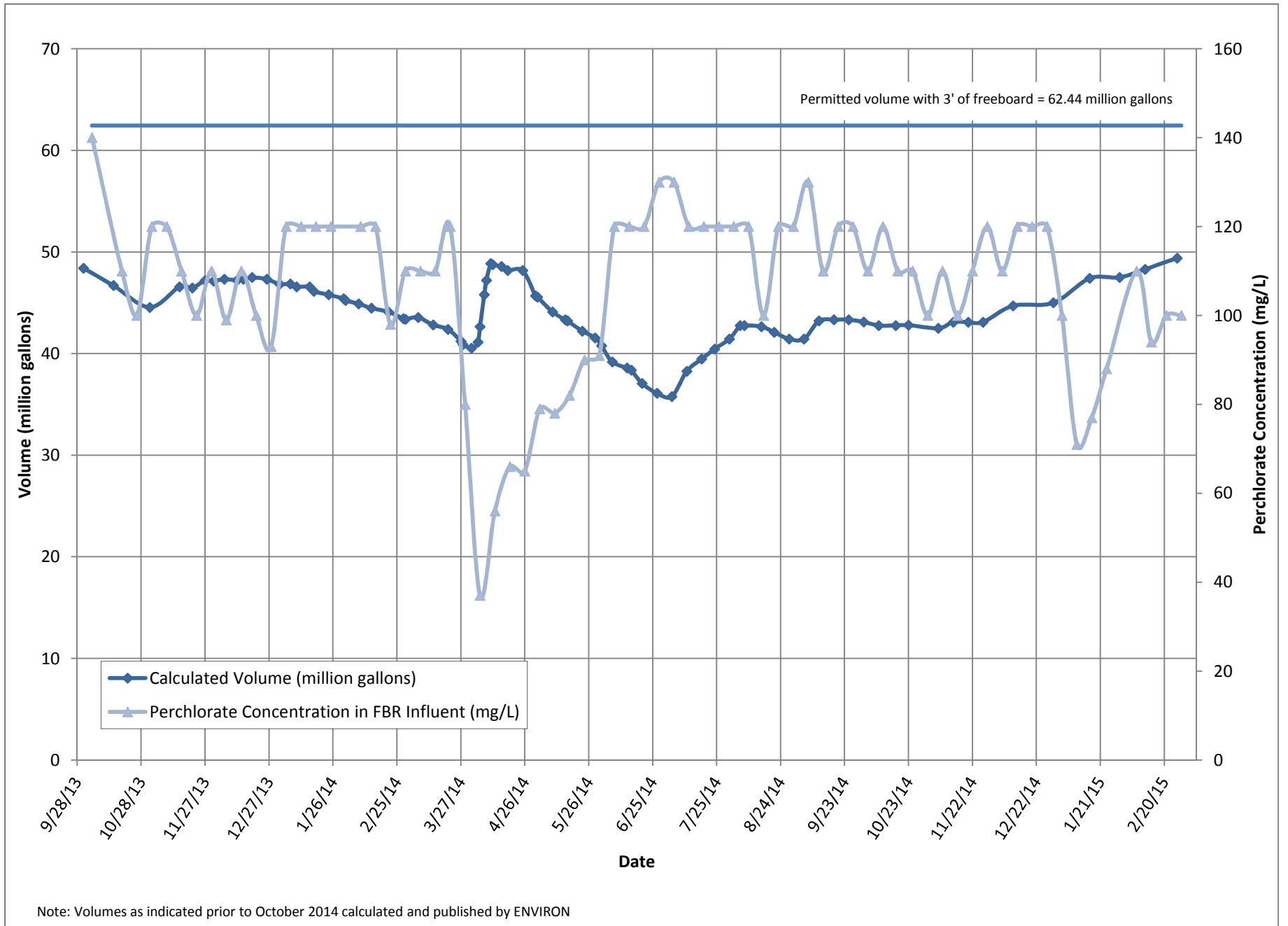


Figure 2 - FBR Equivalent Loading Calculation

