

Table 1 - Seep Well Field (SWF) Operational Metrics

Nevada Environmental Response Trust Groundwater Extraction and Treatment System Enhanced Operational Metrics																											
Date	LS #1	East Well (PC-116R)		Center Well (PC99R2/99R3)		West Well (PC-115R)		PC 117		PC 118		PC 119		PC 120		PC 121		PC 133									
	Flow (gpm)	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)								
01/01/15	625	125		63		100		94		78		63		0		6		4									
01/02/15	624	125		62		99		94		78		63		0		0		4									
01/03/15	623	124		63		101		93		78		62		0		0		4									
01/04/15	625	125		63		99		94		78		63		0		0		4									
01/05/15	625	125		63		101		94		78		63		0		0		3									
01/06/15	625	125		63		100		94		78		63		0		0		4									
01/07/15	625	125		63		99		94		78		63		0		0		4									
01/08/15	625	125	Future Metric - Enhanced Operations	63	Future Metric - Enhanced Operations	101	Future Metric - Enhanced Operations	94	Future Metric - Enhanced Operations	78	Future Metric - Enhanced Operations	63	Future Metric - Enhanced Operations	0	Future Metric - Enhanced Operations	0	Future Metric - Enhanced Operations	4	Future Metric - Enhanced Operations								
01/09/15	624	125		63		100		94		78		63		0		0		4									
01/10/15	625	125		63		101		94		78		63		0		0		4									
01/11/15	624	125		63		99		94		78		63		0		0		4									
01/12/15	619	125		71 ¹		101		102 ¹		49 ¹		63		0		0		4									
01/13/15	620	125		78		94		110		46		63		0		0		4									
01/14/15	625	125		63		94		94		78		63		0		0		4									
01/15/15	625	126		63		94		94		78		63		0		0		4									
01/16/15	626	126		63		94		94		78		63		0		0		4									
01/17/15	625	126		63		94		94		78		63		0		0		4									
01/18/15	622	126	63	95	94	78	63	0	0	4																	
01/19/15	617	125	63	94	94	78	63	0	0	4																	
01/20/15	621	125	63	93	93	78	63	0	0	4																	
01/21/15	625	126	63	93	94	78	63	0	0	4																	
01/22/15	623	125	63	94	93	78	62	0	0	4																	
01/23/15	626	126	63	97	94	78	63	0	0	4																	
01/24/15	625	126	62	101	94	78	63	0	0	4																	
01/25/15	624	125	63	99	94	78	63	0	0	4																	
01/26/15	574 ²	114	44	87	94	72	58	0	0	4																	
01/27/15	626	126	63	92	94	78	63	0	0	4																	
01/28/15	623	124	62	93	94	78	62	0	0	4																	
01/29/15	628	126	63	94	94	78	63	0	0	4																	
01/30/15	585	117	58	86	88	73	58	0	0	4																	
01/31/15	623 ³	124	62	92	94	78	62	0	0	4																	
Monthly Average	623	125		62		96		94		77		62		0.00		0.18		4									
Analytical ⁴	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	18		1/5/2015	20		1/5/2015	11		1/5/2015	9.6		1/5/2015	3.1		1/5/2015	0.49		1/5/2015	0.18		1/5/2015	0.30		1/5/2015	14		1/5/2015
Hexavalent Chromium	Future Metric - Enhanced Operations																										
Total Chromium ⁵	0.0025		11/3/2014	0.0033		11/3/2014	ND		11/3/2014	ND		11/3/2014	ND		11/3/2014	ND		11/3/2014	ND		11/3/2014	ND		11/3/2014	ND		11/3/2014

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: PC-118 breaker tripped and could not be reset. Increased PC-117 and PC 99R2/R3 flow and decreased LS2 flow to accommodate for loss of well. PC-118 had a loose connection that was resolved on the morning of 01/14/2015.

2: An old alarm from the IX system caused the lock down of turbine pumps at LS1 causing lower flows than normal. Problem resolved on 01/27/2015.

3: Storm tripped LS2 breakers for the turbine and submersible pump. LS3 and LS1 and their well fields were shut down for 1.25 hours until the breakers were located and reset.

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).

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 6 / ART 9		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 (gpm)	Level (ft)	Flow ³ (gpm)	Level (ft)	
01/01/15	250	8		63		45		15		52		29		63		5		
01/02/15	250	8		63		46		16		53		28		63		5		
01/03/15	249	8		63		46		15		52		29		62		5		
01/04/15	250	13		63		46		15		52		29		63		5		
01/05/15	250	16		63		45		15		51		28		63		5		
01/06/15	250	13		63		46		16		51		30		63		5		
01/07/15	250	8		63		46		15		51		28		63		5		
01/08/15	250	8		63		45		16		51		29		63		5		
01/09/15	250	8		63		46		15		51		28		63		5		
01/10/15	637 ¹	8		63		46		16		51		29		63		5		
01/11/15	250	8		63		46		15		51		29		63		5		
01/12/15	260	4		63		45		16		51		29		70		5		
01/13/15	289	5		63		44		15		47		29		78		5		
01/14/15	313	8		63		44		16		49		29		78		5		
01/15/15	313	8		63		44		15		49		29		78		5		
01/16/15	313	8		63		44		16		49		28		78		5		
01/17/15	313	8		63		43		15		49		29		78		5		
01/18/15	312	8		63		43		16		49		28		78		5		
01/19/15	312	8		62		42		15		49		30		78		5		
01/20/15	313	8		63		42		15		49		31		78		5		
01/21/15	313	8		63		42		16		49		31		78		5		
01/22/15	311	8		62		42		15		49		31		78		5		
01/23/15	313	8		63		42		16		47		31		78		5		
01/24/15	313	8		63		42		15		47		31		78		5		
01/25/15	312	8		62		42		15		47		31		78		5		
01/26/15	392 ¹	8		63		42		16		47		31		78		5		
01/27/15	313	8		63		42		15		47		31		78		5		
01/28/15	279	11		60		25		15		47		31		76		5		
01/29/15	630 ¹	15		63		28		16		47		31		78		5		
01/30/15	565 ¹	8		56		42		15		46		29		64		5		
01/31/15	691 ²	8		63		46		15		47		31		62		5		
Monthly Average	332	9		62		43		16		49		30		71		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		17	1/5/2015	33	1/5/2015	230	1/5/2015	280	1/5/2015	37	230	1/5/2015	160	1/5/2015	160	1/5/2015	200	1/5/2015
Hexavalent Chromium		Future Metric - Enhanced Operations																
Total Chromium ⁵		0.0027	11/3/2014	0.027	11/3/2014	0.39	11/3/2014	0.6	11/3/2014	0.21	1.1	11/3/2014	0.65	11/3/2014	0.16	11/3/2014	NA ⁶	11/3/2014

Notes:
 Flow reported as gpm is a daily average calculated from the totalizer reading.
 1: Rain caused the totalizer at LS3 to give erroneous readings.
 2: Rain caused the totalizer at LS3 to give erroneous readings. Storm tripped LS2 breakers for the turbine and submersible pump. LS3 and LS1 and their well fields were shut down for 1.25 hours until the breakers were located and reset.
 3: PC-150 flow was manually entered into ETI field spreadsheet due to flow meter problems from 01/01/2015 - 01/31/2015.
 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).
 6: NA = Not Available. PC-150 was not in operation at time of quarterly sampling.

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)	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)
01/01/15	0.74		1.26		0.00		0.00		0.00		1.08		6.27		1.86		1.11		4.48	
01/02/15	0.72		1.25		0.00		0.00		0.00		1.04		6.24		1.86		1.14		4.46	
01/03/15	0.71		1.24		0.00		0.00		0.00		1.03		6.13		1.85		1.15		4.50	
01/04/15	0.73		1.27		0.00		0.00		0.00		1.12		6.21		1.86		1.15		4.38	
01/05/15	0.71		1.26		0.00		0.00		0.00		1.06		6.11		1.87		1.13		4.52	
01/06/15	0.71		1.25		0.00		0.00		0.00		1.04		6.07		1.86		1.14		4.51	
01/07/15	0.72		1.26		0.00		0.00		0.00		1.11		6.04		1.86		1.12		4.44	
01/08/15	0.71		1.26		0.00		0.00		0.00		1.04		6.10		1.87		1.13		4.51	
01/09/15	0.72		1.25		0.00		0.00		0.00		1.09		6.01		1.86		1.13		4.48	
01/10/15	0.71		1.26		0.00		0.00		0.00		1.00		6.03		1.87		1.12		4.44	
01/11/15	0.71		1.26		0.00		0.00		0.00		1.08		5.93		1.88		1.14		4.53	
01/12/15	0.71		1.26		0.00		0.00		0.00		1.12		5.88		1.86		1.13		4.40	
01/13/15	0.71		1.26		0.00		0.00		0.00		1.04		5.89		1.88		1.15		4.44	
01/14/15	0.71		1.26		0.00		0.00		0.00		1.11		5.86		1.86		1.12		4.43	
01/15/15	0.72		1.27		0.00		0.00		0.00		1.04		5.87		1.86		1.13		4.38	
01/16/15	0.72		1.27		0.00		0.00		0.00		1.03		5.86		1.88		1.12		4.42	
01/17/15	0.71		1.26		0.00		0.00		0.00		1.08		5.83		1.87		1.13		4.41	
01/18/15	0.72		1.29		0.00		0.00		0.00		1.07		5.92		1.88		1.12		4.35	
01/19/15	0.72		1.27		0.00		0.00		0.00		1.04		5.89		1.88		1.11		4.46	
01/20/15	0.71		1.28		0.00		0.00		0.00		1.10		5.89		1.88		1.12		4.42	
01/21/15	0.72		1.31		0.00		0.00		0.00		1.05		5.90		1.88		1.12		4.34	
01/22/15	0.71		1.30		0.00		0.00		0.00		1.04		5.90		1.87		1.11		4.43	
01/23/15	0.71		1.30		0.00		0.00		0.00		1.08		5.88		1.86		1.13		4.38	
01/24/15	0.72		1.31		0.00		0.00		0.00		1.04		5.95		1.88		1.12		4.44	
01/25/15	0.72		1.31		0.00		0.00		0.00		1.08		5.93		1.88		1.14		4.39	
01/26/15	0.71		1.31		0.00		0.00		0.00		1.04		5.94		1.88		1.13		4.38	
01/27/15	0.71		1.30		0.00		0.00		0.00		0.98		5.97		1.88		1.13		4.40	
01/28/15	0.71		1.30		0.00		0.00		0.00		1.11		5.81		1.88		1.11		4.43	
01/29/15	0.72		1.30		0.00		0.00		0.00		1.05		5.83		1.87		1.15		4.43	
01/30/15 ³	0.69		1.31		0.00		0.00		0.00		1.05		5.87		0.85		0.57		1.99	
01/31/15	0.69		1.28		0.00		0.00		0.00		1.10		5.73		1.77		1.24		4.53	
Monthly Average	0.71		1.28		0.00		0.00		0.00		1.06		5.96		1.83		1.11		4.36	
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	2100	12/1/2014	91	12/1/2014	470	12/1/2014	25	12/2/2014	140	12/2/2014	760	12/1/2014	880	12/1/2014	980	12/1/2014	860	12/1/2014	1300	12/1/2014
Hexavalent Chromium	Future Metric - Enhanced Operations																			
Total Chromium ²	0.5	12/1/2014	1.4	12/1/2014	0.016	12/1/2014	1	12/2/2014	2.4	12/2/2014	0.14	12/1/2014	2.8	12/1/2014	6.3	12/1/2014	8.6	12/1/2014	17	12/1/2014

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: Rain caused the East IWF breaker to trip on the evening of 01/29/2015, breaker was reset the morning of 01/30/2015.

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)
01/01/15	0.17		1.13		4.86		6.82		4.41		2.36		2.48		1.87		1.83		2.41	
01/02/15	0.18		1.12		4.95		6.93		4.46		2.35		2.49		1.88		1.84		2.41	
01/03/15	0.18		1.12		4.83		6.74		4.35		2.35		2.46		1.86		1.82		2.38	
01/04/15	0.17		1.12		5.00		6.96		4.51		2.43		2.42		1.86		1.78		2.35	
01/05/15	0.18		1.11		4.81		6.70		4.34		2.40		2.44		1.87		1.78		2.35	
01/06/15	0.19		1.12		4.91		6.82		4.42		2.41		2.44		1.87		1.79		2.35	
01/07/15	0.19		1.12		4.90		6.81		4.40		2.45		2.43		1.86		1.76		2.32	
01/08/15	0.19		1.12		4.88		6.75		4.38		2.48		2.43		1.87		1.75		2.31	
01/09/15	0.19		1.10		5.01		6.93		4.43		2.49		2.42		1.85		1.75		2.30	
01/10/15	0.18		1.10		4.86		6.71		4.29		2.52		2.43		1.85		1.75		2.29	
01/11/15	0.18		1.10		4.84		6.71		4.30		2.54		2.44		1.84		1.74		2.28	
01/12/15	0.18		1.09		4.91		6.77		4.36		2.53		2.45		1.84		1.72		2.26	
01/13/15	0.18		1.10		4.92		6.78		4.36		2.54		2.47		1.85		1.71		2.26	
01/14/15	0.17		1.09		4.89		6.74		4.34		2.55		2.45		1.85		1.69		2.23	
01/15/15	0.18		1.09		4.90		6.74		4.34		2.57		2.45		1.84		1.68		2.22	
01/16/15	0.18		1.08		4.95		6.82		4.40		2.59		2.45		1.83		1.67		2.21	
01/17/15	0.18		1.07		4.85		6.69		4.26		2.61		2.44		1.82		1.68		2.21	
01/18/15	0.18		1.07		4.87		6.72		4.28		2.66		2.44		1.83		1.66		2.19	
01/19/15	0.17		1.07		4.87		6.72		4.29		2.69		2.42		1.82		1.64		2.19	
01/20/15	0.18		1.08		4.88		6.73		4.30		2.69		2.42		1.81		1.66		2.19	
01/21/15	0.17		1.07		4.89		6.74		4.26		2.74		2.45		1.81		1.64		2.18	
01/22/15	0.18		1.06		4.86		6.69		4.22		2.72		2.46		1.81		1.63		2.17	
01/23/15	0.17		1.06		4.87		6.68		4.25		2.73		2.46		1.81		1.62		2.16	
01/24/15	0.17		1.06		4.92		6.74		4.31		2.75		2.48		1.82		1.63		2.17	
01/25/15	0.17		1.06		4.87		6.67		4.25		2.75		2.43		1.81		1.61		2.14	
01/26/15	0.17		1.07		4.90		6.70		4.25		2.80		2.45		1.81		1.63		2.14	
01/27/15	0.17		1.07		4.88		6.68		4.24		2.83		2.45		1.80		1.62		2.14	
01/28/15	0.18		1.07		4.88		6.67		4.22		2.88		2.45		1.80		1.62		2.13	
01/29/15	0.18		1.06		4.86		6.65		4.20		2.79		2.45		1.76		1.62		2.13	
01/30/15 ³	0.09		0.53		2.25		3.22		2.05		2.88		1.12		0.80		0.90		1.14	
01/31/15	0.20		1.14		4.71		7.22		4.40		2.93		2.27		1.57		2.30		2.76	
Monthly Average	0.18		1.07		4.80		6.65		4.25		2.61		2.40		1.79		1.69		2.22	
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	1900	12/1/2014	1900	12/1/2014	530	12/2/2014	260	12/2/2014	250	12/2/2014	950	12/1/2014	1000	12/1/2014	1100	12/1/2014	1100	12/1/2014	1200	12/1/2014
Hexavalent Chromium	Future Metric - Enhanced Operations																			
Total Chromium ²	24	12/1/2014	21	12/1/2014	11	12/2/2014	3.9	12/2/2014	2.1	12/2/2014	0.92	12/1/2014	7.4	12/1/2014	9.3	12/1/2014	13	12/1/2014	17	12/1/2014

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: Rain caused the East IWF breaker to trip on the evening of 01/29/2015, breaker was reset the morning of 01/30/2015.

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)	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)
01/01/15	0.45		2.30		5.23		0.50		0.94		5.24		0.97		3.29		1.52		7.47	
01/02/15	0.46		2.28		5.18		0.46		0.94		5.32		0.99		3.29		1.51		7.60	
01/03/15	0.45		2.29		5.11		0.44		0.96		5.16		1.00		3.28		1.49		7.40	
01/04/15	0.45		2.33		5.17		0.48		0.96		5.33		0.98		3.30		1.54		7.65	
01/05/15	0.45		2.31		5.17		0.49		0.97		5.11		1.00		3.29		1.51		7.36	
01/06/15	0.45		2.34		5.14		0.49		0.97		5.19		1.02		3.31		1.51		7.50	
01/07/15	0.45		2.37		5.15		0.42		0.96		5.18		1.01		3.29		1.52		7.48	
01/08/15	0.46		2.41		5.21		0.49		0.97		5.13		1.01		3.29		1.54		7.42	
01/09/15	0.45		2.37		5.13		0.49		0.98		5.26		1.01		3.28		1.52		7.62	
01/10/15	0.45		2.28		5.15		0.42		0.98		5.11		1.02		3.29		1.51		7.39	
01/11/15	0.45		2.24		5.17		0.46		0.98		5.10		1.01		3.30		1.53		7.36	
01/12/15	0.45		2.23		5.16		0.49		0.98		5.16		1.02		3.29		1.52		7.44	
01/13/15	0.45		2.24		5.17		0.49		1.19		5.18		1.02		3.28		1.52		7.45	
01/14/15	0.44		2.26		5.15		0.42		0.78		5.16		1.02		3.28		1.52		7.40	
01/15/15	0.45		2.25		5.16		0.49		0.99		5.18		1.02		3.28		1.53		7.40	
01/16/15	0.45		2.27		5.17		0.45		0.99		5.24		1.01		3.27		1.54		7.48	
01/17/15	0.45		2.24		5.15		0.51		1.00		5.12		1.02		3.28		1.54		7.35	
01/18/15	0.44		2.29		5.21		0.41		0.99		5.12		1.02		3.28		1.54		7.36	
01/19/15	0.45		2.26		5.19		0.49		1.00		5.13		1.02		3.28		1.55		7.37	
01/20/15	0.45		2.24		5.18		0.48		0.99		5.13		1.02		3.28		1.55		7.38	
01/21/15	0.44		2.24		5.20		0.49		0.99		5.13		0.98		3.28		1.55		7.38	
01/22/15	0.44		2.26		5.20		0.42		1.00		5.07		0.98		3.28		1.55		7.31	
01/23/15	0.44		2.24		5.16		0.48		1.00		5.10		0.98		2.73		1.55		7.32	
01/24/15	0.44		2.26		5.22		0.49		0.99		5.14		0.98		3.91		1.57		7.38	
01/25/15	0.45		2.28		5.19		0.41		0.98		5.06		0.97		3.27		1.56		7.31	
01/26/15	0.44		2.27		5.19		0.49		0.98		5.09		0.98		3.27		1.58		7.34	
01/27/15	0.45		2.34		5.21		0.49		0.98		5.09		0.96		3.28		1.56		7.31	
01/28/15	0.44		2.41		5.21		0.41		0.97		5.07		0.99		3.28		1.56		7.31	
01/29/15	0.44		2.41		5.20		0.49		0.96		5.03		0.99		3.28		1.57		7.28	
01/30/15 ³	0.23		2.44		5.25		0.18		0.47		2.33		0.43		1.63		1.57		3.44	
01/31/15	0.51		2.38		5.09		0.00		0.95		4.89		0.81		3.82		1.56		7.43	
Monthly Average	0.44		2.30		5.18		0.44		0.96		5.05		0.98		3.25		1.54		7.28	
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	12/1/2014	1500	12/1/2014	640	12/1/2014	1800	12/1/2014	1800	12/1/2014	920	12/2/2014	1100	12/1/2014	1900	12/1/2014	1400	12/1/2014	280	12/2/2014
Hexavalent Chromium	Future Metric - Enhanced Operations																			
Total Chromium ²	23	12/1/2014	0.53	12/1/2014	1.7	12/1/2014	24	12/1/2014	23	12/1/2014	11	12/2/2014	14	12/1/2014	12	12/1/2014	0.82	12/1/2014	6.7	12/2/2014

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: Rain caused the East IWF breaker to trip on the evening of 01/29/2015, breaker was reset the morning of 01/30/2015.

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)	
01/01/15	875	63	0.23	ND	840	NA ⁴				938		104						
01/02/15	874	57				NA ⁴				932		99						
01/03/15	872	69				NA ⁴				940	100	103						
01/04/15	875	63				NA ⁴				938		103						
01/05/15	875	63				NA ⁴				938		102	190	1,300	11	0.063	0.064	
01/06/15	874	63				NA ⁴				937		100						
01/07/15	875	63				938						45						
01/08/15	875	63	0.36	ND	830	938						47						
01/09/15	874	62				937						57						
01/10/15	875	63				938						63						
01/11/15	874	63				937						64						
01/12/15	837 ⁴	63				837						65			4	0.096	0.038	
01/13/15	748	62				810						68						
01/14/15	749	63				812						68						
01/15/15	750	62	0.57	ND	920	812						70						
01/16/15	751	63				814						71						
01/17/15	750	61				811						74						
01/18/15	749	63				811						75						
01/19/15	748	62				810						77			7	0.067	0.051	
01/20/15	749	62				812						77						
01/21/15	751	62				813						78						
01/22/15	747	62	0.21	ND	860	809						71						
01/23/15	751	62				813						71						
01/24/15	750	62				812						74						
01/25/15	748	61				809						74						
01/26/15	727	63				790						76						
01/27/15	752	61				813						77			5	0.056	0.052	
01/28/15	747	62				809						78						
01/29/15	753	62	0.45	ND	860	NA ⁴				815		78						
01/30/15	742	32				NA ⁴				775		94						
01/31/15	750 ⁶	64				NA ⁴				814	85	92						
Monthly Average	796	61	0.36	ND	862	840				892	84	77	190	1,300	7	0.07	0.05	

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.

4: PC-118 breaker tripped and could not be reset. Increased PC-117 from 88 to 122 gpm and cut LS2 flow to accommodate.

5: GW-11 bypassed 01/01-01/06 until filters fully operational and bypassed again 01/29/2015 - 02/04/2015 while paddles were replaced with brushes.

6: Storm tripped LS2 breakers for the turbine and submersible pump. LS3 and LS1 and their well fields were shut down for 1.25 hours until the breakers were located and reset.

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)
01/01/15		7.0	-374		7	-394.2	801		ND						0
01/02/15		7.0	-375		7.2	-396	817		ND						12
01/03/15		7.0	-374		7.2	-399	786	ND	ND						11
01/04/15		7.0	-374		7.2	-398	830		ND						16
01/05/15		7.0	-380		7.2	-400	818		ND	ND		1,300			32
01/06/15		7.2	-381		7.6	-274	835		ND						7
01/07/15		7.3	-335		7.7	-303	697		ND					1.9	11
01/08/15		7.3	-202		7.5	-297	685		ND						13
01/09/15		7.2	-158		7.3	-294	671		ND						10
01/10/15		7.2	-309		7.4	-301	771	ND	ND						13
01/11/15		7.2	-330		7.2	-307	782		ND						20
01/12/15		7.1	-328		7.1	-311	863		ND		0.019	ND			21
01/13/15		7.1	-321		7.2	-314	831		ND					1.7	22
01/14/15		7.1	-297		7.2	-316	866		ND						16
01/15/15		7.1	-323		7.2	-324	860		ND						17
01/16/15		7.1	-344		7.3	-327	857		ND						14
01/17/15		7.1	-354		7.3	-337	837	ND	ND						11
01/18/15		7.2	-365		7.3	-342	855		ND						17
01/19/15		7.2	-366		7.4	-346	864		ND		0.018	ND			15
01/20/15		7.2	-365		7.3	-346	886		ND						12
01/21/15		7.2	-359		7.4	-352	945		ND					2.3	14
01/22/15		7.2	-364		7.5	-355	955		ND						12
01/23/15		7.2	-324		7.4	-351	960		ND						16
01/24/15		7.2	-317		7.4	-355	962	ND	ND						11
01/25/15		7.1	-350		7.3	-353	946		ND						19
01/26/15		7.1	-359		7.3	-350	896		ND						13
01/27/15		7.1	-362		7.3	-349	908		ND		0.019	ND		ND	9
01/28/15		7.1	-364		7.2	-347	874		ND						24
01/29/15		7.1	-390		7.1	-360	883		ND						24
01/30/15		7.0	-401		7.3	-379	868		ND						21
01/31/15		7.1	-395		7.1	-343	770	ND	ND						13
Monthly Average		7.1	-343		7.3	-343	844	ND	ND	ND	0.02	ND	1,300	2.0	15.0

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)
1/16/2015	21.9	47.4
1/30/2015	21.8	47.5

GW-11 Leak Detection Monitoring ¹				
Date	Amount Pumped (gallons)			
	NW Corner	NE Corner	SW Corner	SE Corner
1/16/2015	1920	830	0	0
1/30/2015	1575	2930	0	3000

GW-11 Composite Sample ²		
Analytes	Concentration	Units
Perchlorate	81	mg/L
Chlorate	150	mg/L
Ammonia as N	0.38	mg/L
Total Phosphorus	0.026	mg/L
Total Dissolved Solids (TDS)	6000	mg/L
Total Suspended Solids (TSS)	14	mg/L
pH	8.66	s.u.
Calcium	310	mg/L
Iron	0.26	mg/L
Chromium (total)	0.073	mg/L
Chromium VI	0.05	mg/L
Chloride	1700	mg/L
Nitrate as N	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: January 28, 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)		
Feb 2014	950	113	12.0	210	762	778
Mar 2014	958	106	9.8	210	732	768
Apr 2014	966	56	4.0	110	376	623
May 2014	951	84	8.9	170	594	616
June 2014	906	123	9.0	220	735	640
July 2014	786	123	8.8	220	636	639
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

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

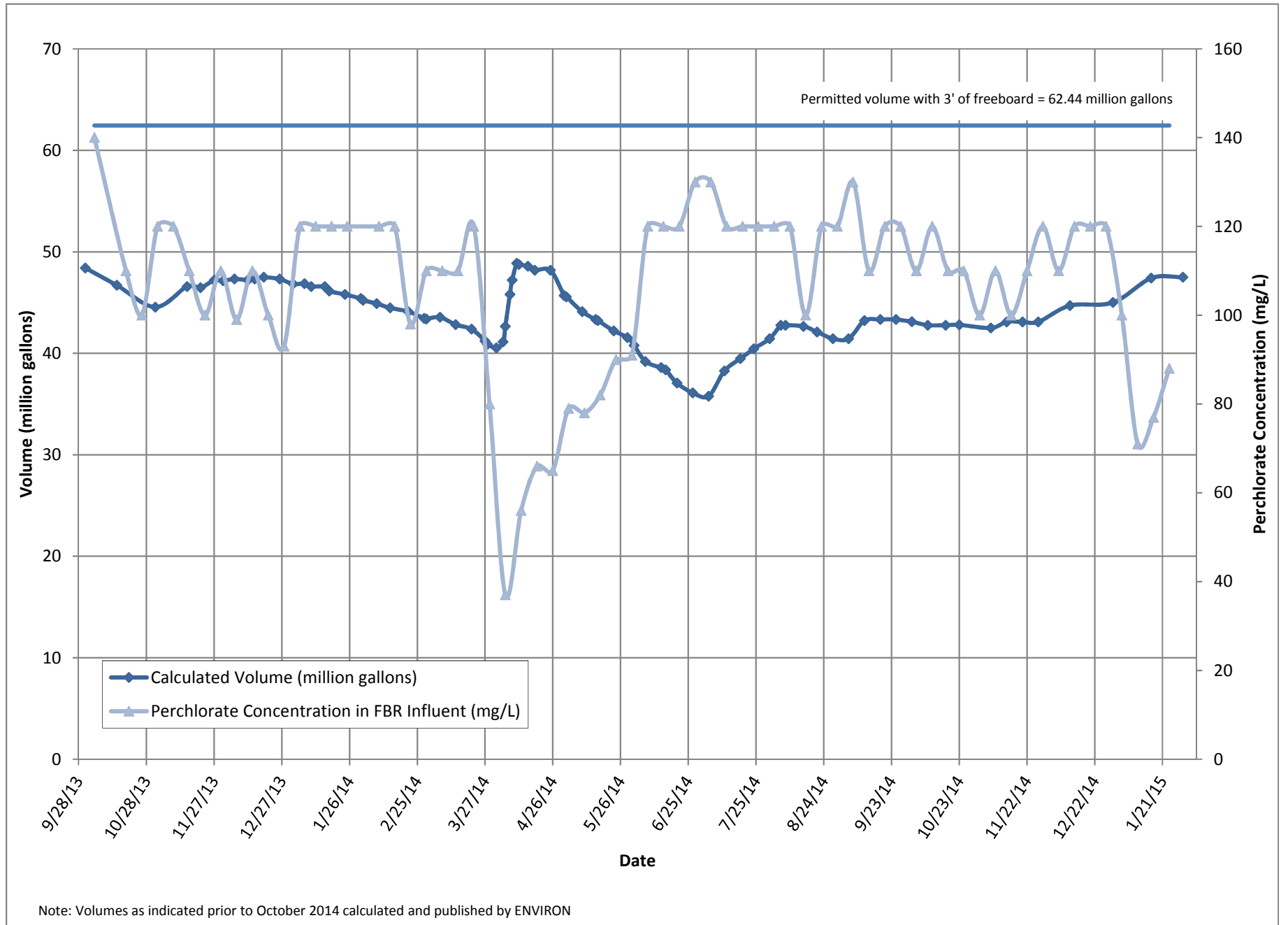


Figure 2 - FBR Equivalent Loading Calculation

