

TABLE 1: INTERCEPTOR WELL FIELD DISCHARGE RATES
Nevada Environmental Response Trust Site
Henderson, Nevada

WELL ID	July 2007 - June 2008 (gpm)	July 2008- June 2009 (gpm)	July 2009 - June 2010 (gpm)	July 2010 - June 2011 (gpm)	July 2011 - June 2012 (gpm)	Well Screened In
I-AR	1.1	1.1	1.1	0.8	1.1	Qal/UMCf
I-B	1.4	1.6	2.3	2.5	1.5	Qal/UMCf
I-C	3.6	3.8	5.3	4.1	5.9	Qal/UMCf
I-D	1.2	1.4	3.1	4.2	1.3	Qal/UMCf
I-E	1.3	1.3	1.5	1.5	1.3	Qal/UMCf
I-F	4.3	6.2	6.3	4.1	5.7	Qal/UMCf
I-G	0.0	0.2	0.2	0.3	0.1	Qal/UMCf
I-H	1.0	0.8	0.9	0.9	0.9	Qal/UMCf
I-I	5.2	5.0	5.0	5.1	5.0	Qal/UMCf
I-J	7.6	8.3	7.4	7.3	6.3	Qal/UMCf
I-K	3.8	4.4	4.2	4.0	3.9	Qal/UMCf
I-L	1.1	2.0	1.6	1.5	1.9	Qal/UMCf
I-M	3.3	2.7	2.7	2.2	2.6	Qal/UMCf
I-N	2.8	3.6	3.7	3.7	3.1	Qal/UMCf
I-O	2.1	1.9	2.8	2.8	1.7	Qal/UMCf
I-P	2.3	2.9	3.8	3.4	2.1	Qal/UMCf
I-Q	0.6	0.3	0.4	0.6	0.3	Qal/UMCf
I-R	2.1	1.9	1.4	1.2	2.5	Qal/UMCf
I-S	3.6	4.0	5.8	6.1	5.2	Qal/UMCf
I-T	0.3	0.3	0.5	0.4	0.4	Qal/UMCf
I-U	0.6	0.9	0.9	0.8	0.7	Qal/UMCf
I-V	4.2	4.7	4.3	4.0	4.8	Qal/UMCf
I-Z	6.2	6.9	7.5	7.3	6.7	Qal/UMCf
TOTAL	59.7	66.3	72.8	68.9	65.1	

Notes:

gpm = gallons per minute

Qal = Quaternary alluvium

UMCf = Upper Muddy Creek Formation (first fine-grained unit)

TABLE 2: ATHENS ROAD WELL FIELD DISCHARGE RATES
Nevada Environmental Response Trust Site
Henderson, Nevada

Well ID	July 2007 - June 2008 (gpm)	July 2008- June 2009 (gpm)	July 2009 - June 2010 (gpm)	July 2010 - June 2011 (gpm)	July 2011 - June 2012 (gpm)	Well Screened In
ART-1	OFF	1.5	6.4	16.5	14.1	Qal
ART-2	77.9	77.8	64.1	62.2	62.4	Qal
ART-3	39.0	40.3	43.6	46.8	46.1	Qal
ART-4	8.9	4.2	5.6	7.9	8.5	Qal
ART-6*/ART-9	42.8	46.3	45.5	46.7	46.5e ¹	Qal
ART-7	30.1	30.6	24.9	31.2	31.2	Qal
ART-8	64.3	69.4	60.3	61.8	62.7	Qal
TOTAL	263.0	270.2	250.4	273.1	271.6	

Notes:

ART-1, 2, 3, 4, 7 and 8 have adjacent recovery wells - "Buddy Wells" - designated by the letter "A".

* ART-6 is the "Buddy Well" for ART-9. The electrical and plumbing system from ART-6A was removed and is being used in ART-9.

¹ The flow meter for well ART-9 malfunctioned for several days in April and May 2012. For these days, an average flow rate for well ART-9 was used to calculate the annual average (from July 2011 to June 2012).

e = estimate

gpm = gallons per minute

OFF = Well was turned off

Qal = Quaternary Alluvium

TABLE 3: SEEP WELL FIELD DISCHARGE RATES
Nevada Environmental Response Trust Site
Henderson, Nevada

Well ID	July 2007 - June 2008 (gpm)	July 2008- June 2009 (gpm)	July 2009 - June 2010 (gpm)	July 2010 - June 2011 (gpm)	July 2011 - June 2012 (gpm)	Well Screened In
PC-99R2/R3	184.0	184.8	183.6	132.5	124.8	Qal
PC-115R	124.5	112.4	89.8	64.0	58.0	Qal
PC-116R	86.6	85.2	70.4	82.8	91.4	Qal
PC-117	85.2	86.0	81.0	98.9	92.6	Qal
PC-118	65.8	59.2	70.8	70.6	76.3	Qal
PC-119	58.2	52.3	54.1	62.8	65.0	Qal
PC-120	8.2	1.2	2.0	3.2	OFF	Qal
PC-121	1.3	0.7	2.6	1.0	OFF	Qal
PC-133	8.4	7.0	6.2	5.1	2.2	Qal
TOTAL	622.3	588.8	560.5	520.9	510.3	

Notes:

gpm = gallons per minute
 OFF = Well was turned off
 Qal = Quaternary Alluvium

TABLE 4: CHROMIUM TREATMENT DATA FOR GWTP, JULY 2011 - JUNE 2012
Nevada Environmental Response Trust Site
Henderson, Nevada

Month	Average Flow to GWTP (gpm)	Average Flow to GWTP (MM Gals)	Average Total Cr Inflow (mg/L)	Average Total Cr Outflow* (mg/L)	Average Cr VI Outflow* (mg/L)	Average Total Cr Removed (lbs/day)	Average Total Cr Removed (lbs/month)
July	68.2	3.04	10.0	0.140	ND	8.2	254
August	67.3	3.00	9.7	0.153	0.002	7.8	243
September	65.8	2.84	9.5	0.155	0.004	7.5	225
October	67.5	3.01	9.9	0.120	ND	8.0	249
November	67.9	2.93	10.2	0.116	0.003	8.3	249
December	64.9	2.90	9.9	0.258	0.001	7.7	239
January	64.5	2.88	9.9	0.181	ND	7.7	239
February	64.6	2.70	9.5	0.098	ND	7.3	213
March	64.2	2.87	10.0	0.196	0.006	7.7	238
April	63.7	2.75	9.4	0.114	0.003	7.2	216
May	61.9	2.76	9.4	0.083	0.007	7.0	217
June	61.6	2.66	9.3	0.086	0.003	6.9	206

Total: 2800

Notes:

* Treated Outflow is directed to Bioplant Equalization Area and Carbon Treatment before being fed to the Fluidized Bed Reactors (FBRs).

Cr = chromium

Cr VI = hexavalent chromium

gpm = gallons per minute

GWTP = groundwater treatment plant

lbs = pounds

mg/L = milligrams per liter

MM gals = million gallons

ND = Not detected above sample quantitation limit

TABLE 5: WEEKLY CHROMIUM IN FBR INFLUENT AND EFFLUENT, JULY 2011 - JUNE 2012
Nevada Environmental Response Trust Site
Henderson, Nevada

Sample Date	Influent/ Effluent	Total Chromium ML/EPA 200.7 (mg/L)	Total Chromium SQL (mg/L)	Hexavalent Chromium EPA 218.6 (mg/L)	Hexavalent Chromium SQL (mg/L)
7/5/2011	INFLUENT	0.069	0.00044	0.03	0.000045
7/5/2011	EFFLUENT	0.011	0.00044	<0.000009	0.000009
7/11/2011	INFLUENT	0.055	0.00044	0.004	0.000018
7/11/2011	EFFLUENT	0.0099 J	0.00044	<0.000009	0.000009
7/18/2011	INFLUENT	0.080	0.00044	0.025	0.000018
7/18/2011	EFFLUENT	0.0085 J	0.00044	<0.000009	0.000009
7/25/2011	INFLUENT	0.027	0.00044	0.0035	0.000018
7/25/2011	EFFLUENT	0.0058 J	0.00044	<0.000009	0.000009
8/1/2011	INFLUENT	0.020	0.00044	0.0034	0.000018
8/1/2011	EFFLUENT	0.0054 J	0.00044	<0.000009	0.000009
8/8/2011	INFLUENT	0.049	0.00044	0.0082	0.000018
8/8/2011	EFFLUENT	0.0044 J	0.00044	<0.000009	0.000009
8/15/2011	INFLUENT	0.13	0.00044	0.039	0.000018
8/15/2011	EFFLUENT	0.0076 J	0.00044	<0.000009	0.000009
8/22/2011	INFLUENT	0.13	0.00044	0.041	0.000018
8/22/2011	EFFLUENT	0.0099 J	0.00044	<0.000009	0.000009
8/29/2011	INFLUENT	0.040	0.00044	0.043	0.000045
8/29/2011	EFFLUENT	0.0038 J	0.00044	<0.000009	0.000009
9/6/2011	INFLUENT	0.051	0.00044	0.047	0.000045
9/6/2011	EFFLUENT	0.00061 J	0.00044	<0.000009	0.000009
9/12/2011	INFLUENT	0.020	0.00044	0.00048	0.000018
9/12/2011	EFFLUENT	0.004 J	0.00044	<0.000009	0.000009
9/19/2011	INFLUENT	0.030	0.00044	0.0007	0.000018
9/19/2011	EFFLUENT	0.0046 J	0.00044	<0.000009	0.000009
9/26/2011	INFLUENT	0.040	0.00044	0.026	0.000018
9/26/2011	EFFLUENT	0.0045 J	0.00044	<0.000009	0.000009
10/3/2011	INFLUENT	0.095	0.00044	0.014	0.000018
10/3/2011	EFFLUENT	0.011	0.00044	<0.000009	0.000009
10/10/2011	INFLUENT	0.047	0.00044	0.0013	0.000018
10/10/2011	EFFLUENT	0.0055 J	0.00044	<0.000009	0.000009
10/17/2011	INFLUENT	0.045	0.00044	0.0029	0.000018
10/17/2011	EFFLUENT	0.013	0.00044	<0.000009	0.000009
10/24/2011	INFLUENT	0.0032 J	0.00044	0.02	0.000018
10/24/2011	EFFLUENT	0.0038 J	0.00044	<0.000009	0.000009
10/31/2011	INFLUENT	0.021	0.00044	0.0019	0.000018
10/31/2011	EFFLUENT	0.0038 J	0.00044	<0.000009	0.000009
11/7/2011	INFLUENT	0.014	0.00044	0.012	0.000018
11/7/2011	EFFLUENT	0.0042 J	0.00044	<0.000009	0.000009
11/14/2011	INFLUENT	0.048	0.00044	0.022	0.000018
11/14/2011	EFFLUENT	0.0049 J	0.00044	<0.000009	0.000009

TABLE 5: WEEKLY CHROMIUM IN FBR INFLUENT AND EFFLUENT, JULY 2011 - JUNE 2012
Nevada Environmental Response Trust Site
Henderson, Nevada

Sample Date	Influent/ Effluent	Total Chromium ML/EPA 200.7 (mg/L)	Total Chromium SQL (mg/L)	Hexavalent Chromium EPA 218.6 (mg/L)	Hexavalent Chromium SQL (mg/L)
11/21/2011	INFLUENT	0.096	0.00044	0.064	0.000045
11/21/2011	EFFLUENT	0.0057 J	0.00044	<0.000009	0.000009
11/28/2011	INFLUENT	0.10	0.00044	0.07	0.000045
11/28/2011	EFFLUENT	0.0098 J	0.00044	<0.000009	0.000009
12/5/2011	INFLUENT	0.14	0.00044	0.018	0.000018
12/5/2011	EFFLUENT	0.0069 J	0.00044	<0.000009	0.000009
12/12/2011	INFLUENT	0.031	0.00044	0.00055	0.000018
12/12/2011	EFFLUENT	0.009 J	0.00044	0.000018 J	0.000009
12/19/2011	INFLUENT	0.071	0.00044	0.031	0.000018
12/19/2011	EFFLUENT	0.011	0.00044	<0.000009	0.000009
12/27/2011	INFLUENT	0.098	0.00044	0.082	0.00009
12/27/2011	EFFLUENT	0.013	0.00044	0.000018 J	0.000009
1/3/2012	INFLUENT	0.091	0.00044	0.062	0.000045
1/3/2012	EFFLUENT	0.012	0.00044	<0.000009	0.000009
1/9/2012	INFLUENT	0.096	0.00044	0.083	0.00009
1/9/2012	EFFLUENT	0.011	0.00044	<0.000009	0.000009
1/16/2012	INFLUENT	0.021	0.00044	0.0019	0.000009
1/16/2012	EFFLUENT	0.010	0.00044	<0.000009	0.000009
1/23/2012	INFLUENT	0.012	0.00044	0.0018	0.000018
1/23/2012	EFFLUENT	0.006 J	0.00044	<0.000009	0.000009
1/30/2012	INFLUENT	0.023	0.00044	0.0037	0.000018
1/30/2012	EFFLUENT	0.0069 J	0.00044	<0.000009	0.000009
2/6/2012	INFLUENT	0.089	0.00044	0.078	0.00009
2/6/2012	EFFLUENT	0.011	0.00044	<0.000009	0.000009
2/13/2012	INFLUENT	0.018	0.00044	0.00053	0.000018
2/13/2012	EFFLUENT	0.0051 J	0.00044	0.000015 J	0.000009
2/20/2012	INFLUENT	0.079	0.00044	0.073	0.000045
2/20/2012	EFFLUENT	0.0088 J	0.00044	<0.000009	0.000009
2/27/2012	INFLUENT	0.036	0.00044	0.033	0.000018
2/27/2012	EFFLUENT	0.0031 J	0.00044	<0.000009	0.000009
3/5/2012	INFLUENT	0.030	0.00044	0.028	0.000018
3/5/2012	EFFLUENT	0.0021 J	0.00044	<0.000009	0.000009
3/12/2012	INFLUENT	0.042	0.00044	0.039	0.000045
3/12/2012	EFFLUENT	0.0031 J	0.00044	<0.000009	0.000009
3/19/2012	INFLUENT	0.027	0.00044	0.021	0.000018
3/19/2012	EFFLUENT	0.0065 J	0.00044	<0.000009	0.000009
3/26/2012	INFLUENT	0.048	0.00044	0.045	0.000045
3/26/2012	EFFLUENT	0.0023 J	0.00044	<0.000009	0.000009
4/2/2012	INFLUENT	0.055	0.00044	0.051	0.000045
4/2/2012	EFFLUENT	0.0066 J	0.00044	<0.000009	0.000009

TABLE 5: WEEKLY CHROMIUM IN FBR INFLUENT AND EFFLUENT, JULY 2011 - JUNE 2012
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Henderson, Nevada

Sample Date	Influent/ Effluent	Total Chromium ML/EPA 200.7 (mg/L)	Total Chromium SQL (mg/L)	Hexavalent Chromium EPA 218.6 (mg/L)	Hexavalent Chromium SQL (mg/L)
4/9/2012	INFLUENT	0.047	0.00044	0.043	0.000045
4/9/2012	EFFLUENT	0.0075 J	0.00044	<0.000009	0.000009
4/16/2012	INFLUENT	0.058	0.00044	0.045	0.000045
4/16/2012	EFFLUENT	0.0084 J	0.00044	<0.000009	0.000009
4/23/2012	INFLUENT	0.026	0.00044	0.021	0.000045
4/23/2012	EFFLUENT	0.0049 J	0.00044	<0.000009	0.000009
4/30/2012	INFLUENT	0.032	0.00044	0.022	0.000045
4/30/2012	EFFLUENT	0.005 J	0.00044	<0.000009	0.000009
5/7/2012	INFLUENT	0.056	0.00044	0.052	0.000045
5/7/2012	EFFLUENT	0.0067 J	0.00088	<0.000009	0.000009
5/14/2012	INFLUENT	0.051	0.00088	0.043	0.000045
5/14/2012	EFFLUENT	0.0079 J	0.00044	<0.000009	0.000009
5/21/2012	INFLUENT	0.017	0.00044	0.015	0.000045
5/21/2012	EFFLUENT	0.008 J	0.00044	0.00013	0.000009
5/29/2012	INFLUENT	0.045	0.00044	0.044	0.000045
5/29/2012	EFFLUENT	0.0092 J	0.00044	0.000046	0.000009
6/4/2012	INFLUENT	0.039	0.00044	0.036	0.000045
6/4/2012	EFFLUENT	0.0098 J	0.00044	<0.000009	0.000009
6/11/2012	INFLUENT	0.037	0.00044	0.033	0.000045
6/11/2012	EFFLUENT	0.0087 J	0.00044	<0.000009	0.000009
6/18/2012	INFLUENT	0.060	0.00044	0.058	0.000045
6/18/2012	EFFLUENT	0.011	0.00044	<0.000009	0.000009
6/25/2012	INFLUENT	0.048	0.00044	0.051	0.000045
6/25/2012	EFFLUENT	0.0074 J	0.00044	0.000081	0.000009

Notes:

FBR = Fluidized Bed Reactor

J = Estimated Concentration

mg/L = milligrams per liter

SQL = Sample Quantitation Limit

TABLE 6: PERCHLORATE REMOVED FROM THE ENVIRONMENT

Nevada Environmental Response Trust Site

Henderson, Nevada

Date	Seep Wells and Seep (lbs/day)	Athens Road Well Field (lbs/day)	Interceptor Well Field (lbs/day)	Total (lbs/day)	Total Tons Removed (per month)
OCT 2002*	495	331	1402	2228	34.5
NOV 2002	422	1001	1146	2569	38.5
DEC 2002	208	1164	1292	2664	41.3
JAN 2003	335	1074	1467	2876	44.6
FEB 2003	570	783	1060	2413	33.8
MAR 2003**	485	806	1067	2358	36.5
APR 2003	713	713	1033	2460	36.9
MAY 2003	703	729	1148	2581	40.0
JUN 2003	686	907	1098	2691	40.4
JUL 2003	594	755	1034	2383	36.9
AUG 2003	452	741	999	2192	34.0
SEP 2003	417	770	937	2124	31.9
OCT 2003	370	769	1003	2142	33.2
NOV 2003	337	713	949	1999	30.0
DEC 2003	321	751	932	2005	31.1
JAN 2004	305	689	953	1947	30.2
FEB 2004	311	630	895	1836	26.6
MAR 2004	221	743	931	1895	29.4
APR 2004	151	733	849	1733	26.0
MAY 2004	126	765	904	1795	27.8
JUN 2004	157	754	994	1905	28.6
JUL 2004	195	757	968	1920	29.8
AUG 2004	201	805	914	1920	29.8
SEP 2004	169	835	981	1985	29.8
OCT 2004	262	799	1020	2081	32.3
NOV 2004	168	814	1032	2014	30.2
DEC 2004	122	816	1002	1940	30.1
JAN 2005	122	811	1008	1941	30.1
FEB 2005	157	859	991	2007	28.1
MAR 2005	158	781	980	1919	29.7
APR 2005	145	787	987	1919	28.8
MAY 2005	153	759	982	1894	29.4
JUN 2005***	150	794	985	1929	28.9
JUL 2005	154	770	1077	2001	31.0
AUG 2005	135	800	1109	2044	31.7
SEP 2005	84	821	1140	2045	30.7
OCT 2005	99	797	1077	1973	30.6
NOV 2005	111	773	1103	1987	29.8
DEC 2005	121	726	1141	1988	30.8
JAN 2006	141	750	999	1890	29.3
FEB 2006	136	752	993	1881	26.3
MAR 2006	107	736	983	1826	28.3
APR 2006	129	755	1027	1911	28.7
MAY 2006	131	712	960	1803	27.9
JUN 2006	135	753	887	1775	26.6
JUL 2006	123	647	935	1705	26.4
AUG 2006	141	652	932	1725	26.7
SEP 2006****	142	762	1062	1966	29.5
OCT 2006	134	778	1034	1946	30.2

TABLE 6: PERCHLORATE REMOVED FROM THE ENVIRONMENT

Nevada Environmental Response Trust Site

Henderson, Nevada

Date	Seep Wells and Seep (lbs/day)	Athens Road Well Field (lbs/day)	Interceptor Well Field (lbs/day)	Total (lbs/day)	Total Tons Removed (per month)
NOV 2006	101	714	881	1696	25.4
JUN 2007	91	642	846	1579	23.7
JUL 2007	67	659	927	1653	25.6
AUG 2007	55	632	853	1540	23.9
SEP 2007	53	631	856	1540	23.1
OCT 2007	53	686	854	1593	24.7
NOV 2007	55	674	775	1504	22.6
DEC 2007	60	656	820	1536	23.8
JAN 2008	58	633	888	1579	24.5
FEB 2008	61	633	844	1537	22.3
MAR 2008	60	666	879	1605	24.9
APR 2008	54	656	865	1575	23.6
MAY 2008	46	627	732	1405	21.8
JUN 2008	44	637	744	1418	21.3
JUL 2008	54	673	830	1557	24.1
AUG 2008	59	691	960	1710	26.5
SEP 2008	56	639	811	1506	22.6
OCT 2008	51	626	814	1491	23.1
NOV 2008	48	643	847	1538	23.1
DEC 2008	58	678	824	1560	24.2
JAN 2009	44	659	876	1579	24.5
FEB 2009	33	644	838	1515	21.2
MAR 2009	36	723	878	1637	25.4
APR 2009	32	685	846	1563	23.4
MAY 2009	35	655	849	1539	23.9
JUN 2009	36	591	868	1495	22.4
JUL 2009	40	571	846	1457	22.6
AUG 2009	43	652	873	1568	24.3
SEP 2009	48	671	942	1661	24.9
OCT 2009	44	625	860	1529	23.7
NOV 2009	47	613	908	1568	23.5
DEC 2009	49	635	872	1556	24.1
JAN 2010	55	671e	927	1653e	25.6e
FEB 2010	53	684e	867	1604e	22.5e
MAR 2010	49	635e	961	1644e	25.5e
APR 2010	50	631	941	1622	24.3
MAY 2010	53	758	1001	1812	28.1
JUN 2010	53	733	957	1743	26.1
JUL 2010	46	652	851	1549	24.0
AUG 2010	44	658	858	1560	24.2
SEP 2010	42	723	846	1611	24.2
OCT 2010	50	634	806	1490	23.1
NOV 2010	50	635	799	1484	22.3
DEC 2010	42	636	718	1396	21.6
JAN 2011	32	598	747	1376	21.3
FEB 2011	40	588	720	1347	18.9
MAR 2011	43	634	745	1421	22.0
APR 2011	48	596	803	1447	21.7
MAY 2011	57	632	746	1434	22.2
JUN 2011	46	639	766	1467	22.7

TABLE 6: PERCHLORATE REMOVED FROM THE ENVIRONMENT

Nevada Environmental Response Trust Site

Henderson, Nevada

Date	Seep Wells and Seep (lbs/day)	Athens Road Well Field (lbs/day)	Interceptor Well Field (lbs/day)	Total (lbs/day)	Total Tons Removed (per month)
JULY 2011	41	646	773	1460	22.6
AUG 2011	39	630	781	1450	22.5
SEP 2011	41	619	763	1422	21.3
OCT 2011	41	585	703	1328	20.6
NOV 2011	41	570	707	1318	19.8
DEC 2011	38	567	669	1273	19.7
JAN 2012	41	606	706	1353	21.0
FEB 2012	43	646	719	1407	20.4
MAR 2012	46	623	732	1400	21.7
APR 2012	44	604e ¹	696	1345	20.2
MAY 2012	46	638e ¹	698	1382	21.4
JUN 2012	41	641	669	1351	20.3

Notes:

* Athens Rd recovery wells began full time operation on 10/22/02

** Five new Seep Area recovery wells began operation on 3/24/03

*** One new Seep Area recovery well began operation on 6/21/05

**** One new Athens Rd recovery well began full time operation on 9/8/06

¹ The flow meter for well ART-9 in the Athens Road Well Field malfunctioned for several days in April and May 2012. For these days, an average flow rate for well ART-9 was used to calculate the perchlorate mass removal.

e = estimate

lbs/day = pounds per day

TABLE 7: WEEKLY PERCHLORATE IN FBR INFLUENT AND EFFLUENT, JULY 2011 - JUNE 2012

**Nevada Environmental Response Trust Site
Henderson, Nevada**

Sample Date	Influent/Effluent	Perchlorate EPA 314 (mg/L)	Perchlorate SQL (mg/L)
11/19/2011	INFLUENT-COMP	110	1.27
11/19/2011	EFFLUENT-COMP	<0.000508	0.000508
11/26/2011	INFLUENT-COMP	120	1.27
11/26/2011	EFFLUENT-COMP	<0.000508	0.000508
12/3/2011	INFLUENT-COMP	120	1.27
12/3/2011	EFFLUENT-COMP	<0.000508	0.000508
12/10/2011	INFLUENT-COMP	100	1.27
12/10/2011	EFFLUENT-COMP	<0.000508	0.000508
12/17/2011	INFLUENT-COMP	120	1.27
12/17/2011	EFFLUENT-COMP	<0.000508	0.000508
12/24/2011	INFLUENT-COMP	120	1.27
12/24/2011	EFFLUENT-COMP	<0.000508	0.000508
1/7/2012	INFLUENT-COMP	110	1.27
1/7/2012	EFFLUENT-COMP	<0.000508	0.000508
1/14/2012	INFLUENT-COMP	110	1.27
1/14/2012	EFFLUENT-COMP	<0.000508	0.000508
1/21/2012	INFLUENT-COMP	120	1.27
1/21/2012	EFFLUENT-COMP	<0.000508	0.000508
1/28/2012	INFLUENT-COMP	120	1.27
1/28/2012	EFFLUENT-COMP	<0.000508	0.000508
2/4/2012	INFLUENT-COMP	120	1.27
2/4/2012	EFFLUENT-COMP	<0.000508	0.000508
2/11/2012	INFLUENT-COMP	120	1.27
2/11/2012	EFFLUENT-COMP	<0.000508	0.000508
2/18/2012	INFLUENT-COMP	120	1.27
2/18/2012	EFFLUENT-COMP	<0.000508	0.000508
2/25/2012	INFLUENT-COMP	110	1.27
2/25/2012	EFFLUENT-COMP	<0.000508	0.000508
3/3/2012	INFLUENT-COMP	120	1.27
3/3/2012	EFFLUENT-COMP	<0.000508	0.000508
3/10/2012	INFLUENT-COMP	110	1.27
3/10/2012	EFFLUENT-COMP	<0.000508	0.000508
3/17/2012	INFLUENT-COMP	100	1.27
3/17/2012	EFFLUENT-COMP	<0.000508	0.000508
3/24/2012	INFLUENT-COMP	110	1.27
3/24/2012	EFFLUENT-COMP	<0.000508	0.000508
3/31/2012	INFLUENT-COMP	100	1.27
3/31/2012	EFFLUENT-COMP	<0.000508	0.000508
4/1/2012	INFLUENT-COMP	120	1.27
4/1/2012	EFFLUENT-COMP	<0.000508	0.000508

TABLE 7: WEEKLY PERCHLORATE IN FBR INFLUENT AND EFFLUENT, JULY 2011 - JUNE 2012

**Nevada Environmental Response Trust Site
Henderson, Nevada**

Sample Date	Influent/Effluent	Perchlorate EPA 314 (mg/L)	Perchlorate SQL (mg/L)
4/14/2012	INFLUENT-COMP	100	1.27
4/14/2012	EFFLUENT-COMP	<0.000508	0.000508
4/21/2012	INFLUENT-COMP	110	1.27
4/21/2012	EFFLUENT-COMP	<0.000508	0.000508
4/28/2012	INFLUENT-COMP	110	1.27
4/28/2012	EFFLUENT-COMP	<0.000508	0.000508
5/5/2012	INFLUENT-COMP	120	1.27
5/5/2012	EFFLUENT-COMP	<0.000508	0.000508
5/12/2012	INFLUENT-COMP	120	1.27
5/12/2012	EFFLUENT-COMP	<0.000508	0.000508
5/19/2012	INFLUENT-COMP	100	1.27
5/19/2012	EFFLUENT-COMP	<0.000508	0.000508
5/26/2012	INFLUENT-COMP	98	1.27
5/26/2012	EFFLUENT-COMP	<0.000508	0.000508
6/2/2012	INFLUENT-COMP	100	1.27
6/2/2012	EFFLUENT-COMP	<0.000508	0.000508
6/9/2012	INFLUENT-COMP	100	1.27
6/9/2012	EFFLUENT-COMP	<0.00254	0.00254
6/16/2012	INFLUENT-COMP	95	2.54
6/16/2012	EFFLUENT-COMP	<0.00254	0.00254
6/23/2012*	INFLUENT-COMP	105	1.27
6/23/2012*	EFFLUENT-COMP	<0.000508	0.000508
6/30/2012	INFLUENT-COMP	99	1.2
6/30/2012	EFFLUENT-COMP	<0.0005	0.0005

Notes:

Comp = Weekly Composite Sample

FBR = Fluidized Bed Reactor

mg/L = milligrams per liter

SQL = Sample Quantitation Limit

* Both the influent and effluent composite samples for the week of June 23 did not include a sample from 6/19/2012, due to an error made during collection of the samples on that day.

TABLE 8: SUMMARY OF PROPOSED EXTRACTION RATES AND EXPECTED MASS REMOVAL IN THE IWF AND AWF
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Current Extraction Rate (gpm)	Proposed Extraction Rate (gpm)	Current Perchlorate Mass Removal (pounds/day)	Expected Perchlorate Mass Removal (pounds/day)	Current Total Chromium Mass Removal (pounds/day)	Expected Total Chromium Mass Removal (pounds/day)
Interceptor Well Field (IWF)						
Existing Wells						
I-A-R	1.1	1.0	29.1	26.4	0.02	0.02
I-B	1.5	1.5	8.7	8.7	0.02	0.02
I-C	5.9	6.0	61.0	62.0	0.22	0.22
I-D	1.3	1.5	11.4	13.2	0.12	0.13
I-E	1.3	1.5	11.1	12.8	0.16	0.18
I-F	5.7	5.7	82.2	82.2	1.30	1.30
I-G	0.1	0.5	1.9	9.6	0.03	0.16
I-H	0.9	1.2	17.3	23.1	0.28	0.37
I-I	5.0	4.4	43.3	38.1	0.78	0.69
I-J	6.3	2.5	18.9	7.5	0.22	0.09
I-K	3.9	2.0	5.6	2.9	0.06	0.03
I-L	1.9	2.5	36.5	48.1	0.02	0.02
I-M	2.6	2.6	24.1	24.1	0.03	0.03
I-N	3.1	3.5	36.1	40.8	0.41	0.46
I-O	1.7	2.5	32.7	48.1	0.45	0.66
I-P	2.1	2.5	40.4	48.1	0.33	0.39
I-Q	0.3	2.5	5.4	45.1	0.10	0.87
I-R	2.5	2.3	48.1	43.3	0.01	0.01
I-S	5.2	5.0	54.4	52.3	0.09	0.08
I-T	0.4	0.4	7.7	7.7	0.14	0.14
I-U	0.7	0.8	13.5	15.4	0.23	0.26
I-V	4.8	4.0	80.8	67.3	0.98	0.82
I-Z	6.7	5.5	25.0	20.5	0.65	0.54
New Wells						
I-AA	0	1.0	0	1.2	0	0.00
I-AB	0	1.0	0	3.0	0	0.00
I-AC	0	1.0	0	0.6	0	0.01
I-AD	0	1.0	0	0.8	0	0.01
I-W	0	2.5	0	36.1	0	0.60
I-X	0	2.5	0	33.0	0	0.39
I-Y	0	4.1	0	29.6	0	0.02
Total for IWF:	65.0	75.0	695	851	6.6	8.5
Athens Road Well Field (AWF)						
Existing Wells						
ART-1	14.1	1.0	0.8	0.1	0.00	0.00
ART-2	62.4	61.0	48.0	46.9	0.02	0.02
ART-3	46.1	52.5	166.3	189.3	0.21	0.23
ART-4	8.5	8.5	42.0	41.9	0.06	0.06
ART-6	NO*	0.0	0.0	0.0	0.00	0.00
ART-7	31.2	0.0	60.0	0.0	0.28	0.00
ART-8	62.7	85.0	165.8	224.7	0.15	0.20
ART-9	46.5	46.0	184.4	182.4	0.67	0.66
New Wells						
ART-7B	NO*	31.0	0	100.6	0	0.45
PC-150	NO*	5.0	0	15.0	0	0.02
Total for AWF:	271.6	290.0	667	801	1.4	1.6

Notes:

- 1) Current extraction rates and concentration data used for mass removal calculations are from Second Quarter 2012.
- 2) Total chromium and perchlorate mass removals for the new wells in the IWF are based on interpolation of concentration data presented on Plate 6 and Plate 7, respectively.
- 3) The perchlorate mass removal rate for the IWF in Table 6 is slightly different because it is based on combined flow rates and a perchlorate concentration from all IWF wells inflowing to the GWETS on a weekly frequency.

gpm = gallons per minute

NO* = Not Operational

mg/L = milligrams per liter