

TABLE 1: INTERCEPTOR WELL FIELD DISCHARGE RATES

Nevada Environmental Response Trust Site

Henderson, Nevada

Well ID	July 2012- June 2013 (gpm)	July 2013- June 2014 (gpm)	July 2014- June 2015 (gpm)	July 2015- June 2016 (gpm)	July 2016- June 2017 (gpm)	Well Screened In
I-AA ¹	--	0.1	1.0	1.0	0.8	Qal/UMCf
I-AB ¹	--	0.0	0.0	0.0	0.0	Qal/UMCf
I-AC ¹	--	0.0	0.0	0.0	0.0	Qal/UMCf
I-AD ¹	--	0.0	0.0	0.0	0.0	Qal/UMCf
I-AR	1.4	1.1	0.8	0.5	0.3	Qal/UMCf
I-B	1.6	1.5	1.1	0.8	0.7	Qal/UMCf
I-C	5.1	5.5	5.6	2.8	3.4	Qal/UMCf
I-D	1.7	2.0	1.9	2.3	2.4	Qal/UMCf
I-E	2.1	2.7	1.2	1.0	1.6	Qal/UMCf
I-F	4.5	4.7	4.2	3.9	4.2	Qal/UMCf
I-G	0.5	0.9	0.2	0.2	0.1	Qal/UMCf
I-H	1.0	0.8	1.2	0.9	1.3	Qal/UMCf
I-I	4.7	4.8	4.7	4.8	4.9	Qal/UMCf
I-J	6.0	6.6	4.8	7.3	6.9	Qal/UMCf
I-K	3.3	4.0	4.6	3.2	3.2	Qal/UMCf
I-L	1.9	1.5	2.8	1.8	1.8	Qal/UMCf
I-M	4.0	2.2	2.5	2.1	1.4	Qal/UMCf
I-N	2.7	1.7	2.6	2.9	4.0	Qal/UMCf
I-O	2.7	1.5	2.1	0.9	0.4	Qal/UMCf
I-P	3.7	5.1	2.8	2.0	2.1	Qal/UMCf
I-Q	0.2	0.7	0.5	0.5	0.6	Qal/UMCf
I-R	2.9	3.3	2.5	2.1	1.1	Qal/UMCf
I-S	4.0	4.0	4.9	4.4	4.5	Qal/UMCf
I-T	0.4	0.4	0.4	0.4	0.5	Qal/UMCf
I-U	0.8	1.0	0.9	0.8	0.8	Qal/UMCf
I-V	5.4	5.7	5.1	4.2	4.2	Qal/UMCf
I-W ¹	--	0.1	0.8	0.7	0.9	Qal/UMCf
I-X ¹	--	0.5	3.0	1.8	1.9	Qal/UMCf
I-Y ¹	--	0.1	1.5	0.9	1.3	Qal/UMCf
I-Z	8.0	7.5	5.2	6.9	7.3	Qal/UMCf
TOTAL	68.6	70.1	68.7	61.1	62.4	

Notes:

Pumping rates are presented as annual averages.

¹ I-AA, I-AB, I-AC, I-AD, I-W, I-X, and I-Y were activated as part of the 2013 GWETS Optimization project and began extracting between late April and early May 2014.

-- = Well not pumping

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 2012- June 2013 (gpm)	July 2013- June 2014 (gpm)	July 2014- June 2015 (gpm)	July 2015- June 2016 (gpm)	July 2016- June 2017 (gpm)	Well Screened In
ART-1/1A	22.0	23.4	14.6	1.8	20.5	Qal
ART-2/2A	62.2	61.6	60.9	57.6	92.8	Qal
ART-3/3A	45.8	47.3	44.4	49.4	31.0	Qal
ART-4/4A	8.3	10.0	15.0	11.5	5.2	Qal
ART-7/7A/7B ¹	31.1	30.9	30.3	22.0	17.3	Qal
ART-8/8A	62.2	60.0	63.7	63.4	127.2	Qal
ART-9	49.1	46.4	53.9	60.7	59.9	Qal
PC-150 ¹	--	--	2.8	3.7	1.6	Qal
TOTAL	280.6	279.6	285.6	270.1	355.6	

Notes:

Pumping rates are presented as annual averages.

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

¹ ART-7B and PC-150 were activated as part of the 2013 GWETS Optimization project; ART-7B began pumping in October 2014 and PC-150 began pumping in November 2014.

-- = Well not pumping

gpm = gallons per minute

Qal = Quaternary Alluvium

TABLE 3: SEEP WELL FIELD DISCHARGE RATES

Nevada Environmental Response Trust Site

Henderson, Nevada

Well ID	July 2012- June 2013 (gpm)	July 2013- June 2014 (gpm)	July 2014- June 2015 (gpm)	July 2015- June 2016 (gpm)	July 2016- June 2017 (gpm)	Well Screened In
PC-115R	95.7	88.4	95.9	98.0	102.9	Qal
PC-116R	124.5	123.2	133.7	136.3	139.7	Qal
PC-117	124.6	96.8	99.7	101.3	109.1	Qal
PC-118	93.3	67.3	76.9	67.7	59.5	Qal
PC-119	87.6	63.5	59.0	58.7	52.9	Qal
PC-120	0.1	0.4	0.0	0.0	33.8	Qal
PC-121	0.1	0.0	0.0	0.0	14.8	Qal
PC-133	4.3	4.3	4.2	8.3	7.8	Qal
PC-99R2/R3 ¹	54.4	61.0	66.5	63.6	64.1	Qal
TOTAL	584.6	504.9	536.0	533.9	584.6	

Notes:

Pumping rates are presented as annual averages.

¹ Wells PC-99R2 and PC-99R3 are connected and operate as a single pumping well.

gpm = gallons per minute

Qal = Quaternary Alluvium

TABLE 4: AP AREA EXTRACTION WELL DISCHARGE RATES
Nevada Environmental Response Trust Site
Henderson, Nevada

Well ID	July 2012- June 2013 (gpm)	July 2013- June 2014 (gpm)	July 2014- June 2015 (gpm)	July 2015- June 2016 (gpm)	July 2016- June 2017 (gpm)	Well Screened In
E1-1	--	--	--	--	1.8	Qal/UMCf
E1-2	--	--	--	--	0.6	Qal/UMCf
E1-3	--	--	--	--	0.5	Qal/UMCf
E2-1	--	--	--	--	--	Qal/UMCf
E2-2	--	--	--	--	--	Qal/UMCf
E2-3	--	--	--	--	--	Qal/UMCf
E2-4	--	--	--	--	--	Qal/UMCf
E2-5	--	--	--	--	--	Qal/UMCf
TOTAL	--	--	--	--	2.9	

Notes:

Pumping rates are presented as annual averages.

E1-1, E1-2, and E1-3 are located in Plot 1 of the AP Area Soil Flushing Treatability Study. Initial soil flushing and extraction well testing in Plot 1 was conducted in October 2016, with continuous operation in Plot 1 beginning in November 2016. Flushing and extraction in Plot 2 (containing extraction wells E2-1, E2-2, E2-3, E2-4, and E2-5) began in July 2017.

-- = Well not pumping

gpm = gallons per minute

Qal = Quaternary Alluvium

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

TABLE 5: MONTHLY WELL FIELD DISCHARGE RATES, JULY 2016 - JUNE 2017

Nevada Environmental Response Trust Site

Henderson, Nevada

Well ID	July 2016 (gpm)	August 2016 (gpm)	September 2016 (gpm)	October 2016 (gpm)	November 2016 (gpm)	December 2016 (gpm)	January 2017 (gpm)	February 2017 (gpm)	March 2017 (gpm)	April 2017 (gpm)	May 2017 (gpm)	June 2017 (gpm)
Interceptor Well Field (IWF)												
I-AA	0.1	0.9	0.9	0.6	0.4	0.8	0.8	1.1	1.1	0.9	0.6	0.9
I-AB	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I-AC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I-AD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I-AR	0.5	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
I-B	0.6	0.5	0.5	0.4	0.4	0.7	1.0	1.1	0.9	0.9	1.0	0.8
I-C	3.0	3.0	2.6	3.8	3.2	2.7	4.3	3.0	3.6	3.8	3.7	3.9
I-D	1.9	3.2	2.4	2.1	2.9	2.3	2.3	2.1	2.5	2.4	2.2	2.6
I-E	1.3	1.4	1.4	1.3	1.4	1.5	1.8	1.9	1.9	1.8	1.6	1.7
I-F	3.8	4.2	3.7	4.2	4.2	4.0	4.4	3.9	4.4	4.4	4.4	4.5
I-G	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1
I-H	0.9	1.2	1.1	1.1	1.0	1.1	1.2	1.6	1.7	2.0	1.4	1.2
I-I	4.1	5.1	4.0	4.8	5.3	5.2	5.0	5.5	5.0	5.0	4.9	4.9
I-J	9.0	8.6	6.9	6.5	5.6	6.6	6.0	7.1	6.7	6.7	6.6	6.5
I-K	2.4	2.0	2.4	3.5	3.7	3.6	3.6	3.7	3.5	3.5	3.5	3.4
I-L	1.1	1.6	2.0	2.0	2.2	2.1	2.3	1.8	1.5	1.8	1.6	1.8
I-M	0.8	1.0	1.5	1.5	1.1	1.3	1.5	1.4	1.3	1.8	1.8	1.8
I-N	3.6	4.2	3.7	3.5	3.7	4.0	4.4	4.0	4.4	4.0	3.8	4.1
I-O	0.8	0.8	0.6	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3
I-P	1.7	2.1	2.8	2.4	2.3	2.4	2.7	1.9	1.6	1.6	2.3	1.7
I-Q	0.6	0.7	0.6	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.7	0.6
I-R	0.7	1.3	1.2	1.2	1.0	1.3	1.2	1.0	0.8	1.1	1.0	1.5
I-S	4.2	4.5	3.7	3.3	3.1	4.5	5.1	5.6	5.4	5.1	4.7	4.3
I-T	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
I-U	0.7	0.8	0.8	0.8	0.8	0.7	0.9	0.9	0.9	0.7	0.6	0.9
I-V	3.8	4.2	3.7	4.3	4.1	4.1	4.4	3.9	4.4	4.4	4.4	4.3
I-W	1.1	1.2	0.9	0.9	0.9	0.6	0.6	0.8	0.7	0.5	1.1	1.0
I-X	1.5	2.1	1.9	1.7	1.3	1.8	1.9	2.1	1.8	2.0	2.1	2.2
I-Y	0.7	1.6	1.2	1.4	0.7	1.8	1.6	1.0	1.3	1.5	1.2	1.5
I-Z	4.1	7.7	7.5	7.5	7.5	7.4	7.4	7.6	7.9	7.9	7.6	7.6
Total for IWF	53.8	65.1	59.1	60.5	58.6	62.2	65.8	64.7	65.1	65.7	64.4	64.6

TABLE 5: MONTHLY WELL FIELD DISCHARGE RATES, JULY 2016 - JUNE 2017

Nevada Environmental Response Trust Site
Henderson, Nevada

Well ID	July 2016 (gpm)	August 2016 (gpm)	September 2016 (gpm)	October 2016 (gpm)	November 2016 (gpm)	December 2016 (gpm)	January 2017 (gpm)	February 2017 (gpm)	March 2017 (gpm)	April 2017 (gpm)	May 2017 (gpm)	June 2017 (gpm)
Athens Road Well Field (AWF)												
ART-1/1A	0.0	0.0	0.0	0.0	10.4	29.2	31.8	35.3	32.9	33.1	30.0	44.4
ART-2/2A	88.3	69.4	106.3	29.1	90.3	111.5	112.6	110.1	108.8	83.3	95.2	111.0
ART-3/3A	44.3	31.2	29.4	11.9	40.4	30.9	34.4	32.0	31.4	31.3	29.4	26.0
ART-4/4A	8.0	7.0	6.2	3.1	6.6	4.9	4.4	4.2	4.4	4.9	4.3	4.8
ART-7/7A/7B	14.2	14.4	13.3	7.2	17.5	22.7	21.7	20.2	18.6	18.4	19.5	20.3
ART-8/8A	68.4	159.1	140.3	20.6	122.0	146.2	139.9	145.0	135.1	132.8	146.8	174.2
ART-9	66.2	75.1	59.0	26.6	86.9	69.8	64.0	57.2	55.1	58.2	51.0	49.4
PC-150	3.4	2.6	1.5	1.2	3.2	1.8	1.2	1.1	1.4	0.7	0.2	1.5
Total for AWF	292.8	358.8	356.0	99.7	377.3	416.9	410.0	405.1	387.7	362.7	376.4	431.6
Seep Well Field (SWF)												
PC-115R	96.3	99.2	106.8	80.8	106.3	83.1	108.4	110.6	109.7	110.5	110.1	114.3
PC-116R	150.3	150.2	154.3	117.5	151.9	128.8	149.9	145.6	132.2	132.8	128.5	135.8
PC-117	118.9	117.9	119.1	83.5	107.4	90.3	111.2	112.8	111.0	112.1	112.6	113.4
PC-118	69.3	67.2	65.2	47.0	55.7	53.7	56.2	59.4	59.4	59.9	59.7	60.9
PC-119	40.4	41.5	41.2	41.3	57.3	43.7	54.7	54.2	66.7	67.2	66.6	60.7
PC-120	0.0	0.0	0.0	0.0	0.0	1.0	0.2	58.6	86.7	87.6	87.1	88.4
PC-121	0.0	0.0	0.0	0.3	0.0	4.3	0.2	21.1	38.9	39.4	38.7	35.8
PC-133	3.4	6.8	7.9	6.5	7.7	4.5	11.0	8.6	8.6	9.6	9.6	9.4
PC-99R2/R3	69.3	67.6	70.8	49.0	62.5	55.9	79.5	63.0	60.8	60.7	61.2	69.4
Total for SWF	547.7	550.5	565.3	426.0	548.8	465.3	571.4	633.8	674.0	679.7	674.1	688.0
AP Area Extraction Wells												
E1-1	--	--	--	0.1	0.6	1.2	2.7	3.3	3.2	3.2	3.3	3.6
E1-2	--	--	--	0.1	0.5	0.4	0.8	1.0	1.1	1.1	1.1	1.4
E1-3	--	--	--	0.0	0.3	0.3	0.8	0.9	1.0	1.0	0.9	1.0
E2-1	--	--	--	--	--	--	--	--	--	--	--	--
E2-2	--	--	--	--	--	--	--	--	--	--	--	--
E2-3	--	--	--	--	--	--	--	--	--	--	--	--
E2-4	--	--	--	--	--	--	--	--	--	--	--	--
E2-5	--	--	--	--	--	--	--	--	--	--	--	--
Total for AP Area	0.0	0.0	0.0	0.2	1.5	1.9	4.4	5.2	5.4	5.4	5.3	6.0

Notes:

Pumping rates are presented as monthly averages.

E1-1, E1-2, and E1-3 are located in Plot 1 of the AP Area Soil Flushing Treatability Study. Initial soil flushing and extraction well testing in Plot 1 was conducted in October 2016, with continuous operation in Plot 1 beginning in November 2016. Flushing and extraction in Plot 2 (containing extraction wells E2-1, E2-2, E2-3, E2-4, and E2-5) began in July 2017.

-- = Well not pumping

gpm = gallons per minute

TABLE 6: CHROMIUM REMOVED FROM THE ENVIRONMENT

Nevada Environmental Response Trust Site
Henderson, Nevada

Month	Chromium Mass Removed						Extraction Rate					Average Chromium Concentration				
	Interceptor Well Field (lbs)	Athens Road Well Field (lbs)	Seep Well Field (lbs)	AP Area ¹ (lbs)	Total Pounds Removed	Total Tons Removed	Interceptor Well Field (gpm)	Athens Road Well Field (gpm)	Seep Well Field (gpm)	AP Area ¹ (gpm)	Total (gpm)	Interceptor Well Field (mg/L)	Athens Road Well Field (mg/L)	Seep Well Field (mg/L)	AP Area ¹ (mg/L)	Total (mg/L)
Jul 2004	331	14	0	--	346	0.2	59.5	245.4	704.3	--	1009.3	14.9	0.2	0.0	--	0.9
Aug 2004	328	15	0	--	343	0.2	57.3	241.6	684.8	--	983.8	15.4	0.2	0.0	--	0.9
Sep 2004	310	15	0	--	324	0.2	55.8	243.2	649.4	--	948.4	15.4	0.2	0.0	--	0.9
Oct 2004	333	15	0	--	348	0.2	58.7	239.3	690.4	--	988.3	15.2	0.2	0.0	--	0.9
Nov 2004	298	14	0	--	312	0.2	62.5	243.2	698.1	--	1003.9	13.2	0.2	0.0	--	0.9
Dec 2004	321	16	0	--	336	0.2	65.1	257.6	681.0	--	1003.8	13.2	0.2	0.0	--	0.9
Jan 2005	342	14	0	--	357	0.2	67.5	254.0	665.6	--	987.0	13.6	0.1	0.0	--	1.0
Feb 2005	310	13	0	--	323	0.2	65.9	254.1	713.6	--	1033.7	14.0	0.1	0.0	--	0.9
Mar 2005	341	14	0	--	356	0.2	63.5	251.2	725.2	--	1039.9	14.4	0.2	0.0	--	0.9
Apr 2005	347	13	0	--	360	0.2	65.3	244.2	711.9	--	1021.4	14.7	0.2	0.0	--	1.0
May 2005	302	18	0	--	320	0.2	64.0	234.7	701.8	--	1000.5	12.7	0.2	0.0	--	0.9
Jun 2005	291	18	0	--	310	0.2	64.5	237.5	703.4	--	1005.5	12.5	0.2	0.0	--	0.9
Jul 2005	318	18	0	--	336	0.2	65.5	234.7	686.6	--	986.9	13.0	0.2	0.0	--	0.9
Aug 2005	317	20	7	--	344	0.2	66.6	239.2	680.6	--	986.4	12.8	0.2	0.0	--	0.9
Sep 2005	292	20	7	--	319	0.2	65.4	254.9	634.3	--	954.6	12.4	0.2	0.0	--	0.9
Oct 2005	300	20	6	--	327	0.2	64.4	251.6	621.5	--	937.5	12.5	0.2	0.0	--	0.9
Nov 2005	306	16	0	--	322	0.2	66.1	244.9	619.6	--	930.6	12.8	0.2	0.0	--	1.0
Dec 2005	321	16	0	--	337	0.2	63.8	236.5	621.1	--	921.4	13.5	0.2	0.0	--	1.0
Jan 2006	330	15	0	--	345	0.2	62.9	237.8	657.0	--	957.7	14.1	0.2	0.0	--	1.0
Feb 2006	305	16	0	--	321	0.2	63.8	239.1	664.1	--	967.0	14.2	0.2	0.0	--	1.0
Mar 2006	342	15	0	--	357	0.2	63.5	235.1	661.6	--	960.2	14.4	0.2	0.0	--	1.0
Apr 2006	329	14	0	--	343	0.2	63.7	224.1	660.6	--	948.5	14.3	0.2	0.0	--	1.0
May 2006	331	16	0	--	347	0.2	65.3	239.2	669.5	--	974.1	13.6	0.2	0.0	--	1.0
Jun 2006	301	17	0	--	318	0.2	61.9	244.1	669.8	--	975.9	13.5	0.2	0.0	--	0.9
Jul 2006	311	17	0	--	327	0.2	65.4	239.5	670.6	--	975.5	12.7	0.2	0.0	--	0.9
Aug 2006	326	28	0	--	355	0.2	63.6	240.9	664.4	--	969.0	13.8	0.3	0.0	--	1.0
Sep 2006	313	30	0	--	344	0.2	66.2	251.5	656.4	--	974.0	13.1	0.3	0.0	--	1.0
Oct 2006	313	33	0	--	346	0.2	66.4	254.7	649.0	--	970.0	12.7	0.3	0.0	--	1.0
Nov 2006	300	31	0	--	331	0.2	63.9	258.0	524.0	--	845.8	13.0	0.3	0.0	--	1.1
Dec 2006	308	34	0	--	341	0.2	64.6	253.4	629.2	--	947.1	12.8	0.4	0.0	--	1.0
Jan 2007	305	33	0	--	339	0.2	66.1	256.2	638.2	--	960.4	12.4	0.4	0.0	--	0.9
Feb 2007	287	29	0	--	316	0.2	68.5	265.6	657.5	--	991.6	12.4	0.3	0.0	--	0.9
Mar 2007	321	33	0	--	355	0.2	68.4	259.0	601.3	--	928.6	12.6	0.3	0.0	--	1.0
Apr 2007	306	31	0	--	337	0.2	68.1	257.2	631.5	--	956.8	12.5	0.3	0.0	--	1.0
May 2007	306	32	0	--	337	0.2	66.2	259.1	660.5	--	985.8	12.4	0.3	0.0	--	0.9
Jun 2007	294	30	0	--	325	0.2	64.3	258.5	673.7	--	996.5	12.7	0.3	0.0	--	0.9
Jul 2007	295	31	0	--	326	0.2	63.7	257.8	656.7	--	978.3	12.4	0.3	0.0	--	0.9
Aug 2007	274	31	0	--	305	0.2	61.2	258.5	611.0	--	930.7	12.0	0.3	0.0	--	0.9
Sep 2007	245	29	0	--	275	0.1	59.2	251.1	605.2	--	915.5	11.5	0.3	0.0	--	0.8
Oct 2007	269	35	0	--	304	0.2	59.4	264.5	617.0	--	940.9	12.1	0.4	0.0	--	0.9
Nov 2007	267	32	0	--	300	0.1	57.3	264.1	622.9	--	944.3	12.9	0.3	0.0	--	0.9
Dec 2007	260	33	0	--	293	0.1	55.4	264.1	627.6	--	947.1	12.6	0.3	0.0	--	0.8
Jan 2008	262	34	0	--	295	0.1	56.5	262.9	631.2	--	950.7	12.4	0.3	0.0	--	0.8
Feb 2008	268	34	0	--	302	0.2	59.1	262.2	608.9	--	930.3	13.0	0.4	0.0	--	0.9
Mar 2008	298	37	0	--	335	0.2	61.6	265.0	614.0	--	940.6	13.0	0.4	0.0	--	1.0
Apr 2008	286	35	0	--	322	0.2	61.9	268.1	623.1	--	953.1	12.8	0.4	0.0	--	0.9
May 2008	282	39	0	--	321	0.2	60.6	266.5	618.8	--	945.9	12.5	0.4	0.0	--	0.9

TABLE 6: CHROMIUM REMOVED FROM THE ENVIRONMENT
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Month	Chromium Mass Removed						Extraction Rate					Average Chromium Concentration				
	Interceptor Well Field (lbs)	Athens Road Well Field (lbs)	Seep Well Field (lbs)	AP Area ¹ (lbs)	Total Pounds Removed	Total Tons Removed	Interceptor Well Field (gpm)	Athens Road Well Field (gpm)	Seep Well Field (gpm)	AP Area ¹ (gpm)	Total (gpm)	Interceptor Well Field (mg/L)	Athens Road Well Field (mg/L)	Seep Well Field (mg/L)	AP Area ¹ (mg/L)	Total (mg/L)
Jun 2008	277	38	0	--	315	0.2	61.0	271.5	630.3	--	962.8	12.6	0.4	0.0	--	0.9
Jul 2008	297	40	0	--	337	0.2	63.4	273.5	618.5	--	955.4	12.6	0.4	0.0	--	0.9
Aug 2008	312	41	0	--	353	0.2	65.7	276.5	585.1	--	927.3	12.7	0.4	0.0	--	1.0
Sep 2008	309	40	0	--	349	0.2	65.4	275.7	589.9	--	931.0	13.1	0.4	0.0	--	1.0
Oct 2008	319	41	0	--	360	0.2	65.5	275.3	597.2	--	938.0	13.1	0.4	0.0	--	1.0
Nov 2008	298	43	0	--	340	0.2	65.4	279.0	560.4	--	904.8	12.6	0.4	0.0	--	1.0
Dec 2008	308	45	0	--	353	0.2	65.4	285.8	562.7	--	914.0	12.6	0.4	0.0	--	1.0
Jan 2009	314	44	0	--	358	0.2	66.8	276.4	586.0	--	929.3	12.6	0.4	0.0	--	1.0
Feb 2009	283	44	0	--	327	0.2	66.7	267.5	584.2	--	918.4	12.6	0.5	0.0	--	1.1
Mar 2009	319	48	0	--	366	0.2	67.6	258.9	606.0	--	932.4	12.6	0.5	0.0	--	1.1
Apr 2009	310	46	0	--	356	0.2	67.5	260.0	595.9	--	923.3	12.7	0.5	0.0	--	1.1
May 2009	296	46	0	--	342	0.2	66.6	256.8	598.6	--	922.0	11.9	0.5	0.0	--	1.0
Jun 2009	298	45	0	--	343	0.2	69.3	258.2	579.9	--	907.4	11.9	0.5	0.0	--	1.0
Jul 2009	307	45	0	--	353	0.2	68.6	282.6	572.2	--	923.4	12.0	0.4	0.0	--	1.0
Aug 2009	311	43	0	--	354	0.2	69.3	226.7	561.8	--	857.7	12.0	0.5	0.0	--	1.1
Sep 2009	315	44	0	--	359	0.2	71.2	230.7	559.4	--	861.4	12.3	0.5	0.0	--	1.2
Oct 2009	341	46	0	--	387	0.2	74.9	238.1	562.2	--	875.2	12.2	0.5	0.0	--	1.2
Nov 2009	296	40	0	--	335	0.2	74.5	234.7	564.6	--	873.8	11.0	0.5	0.0	--	1.1
Dec 2009	301	42	0	--	343	0.2	73.3	248.1	582.4	--	903.8	11.0	0.5	0.0	--	1.0
Jan 2010	283	42	0	--	325	0.2	71.8	240.2	571.0	--	883.0	10.6	0.5	0.0	--	1.0
Feb 2010	274	39	0	--	312	0.2	75.3	246.6	573.5	--	895.3	10.8	0.5	0.0	--	1.0
Mar 2010	306	43	0	--	349	0.2	73.2	255.4	562.2	--	890.8	11.2	0.5	0.0	--	1.1
Apr 2010	285	39	0	--	324	0.2	73.2	244.1	540.8	--	858.1	10.8	0.4	0.0	--	1.0
May 2010	299	46	0	--	346	0.2	75.1	266.2	548.5	--	889.8	10.7	0.5	0.0	--	1.0
Jun 2010	278	45	0	--	324	0.2	73.8	267.3	527.4	--	868.5	10.4	0.5	0.0	--	1.0
Jul 2010	277	48	0	--	324	0.2	73.0	269.4	533.7	--	876.1	10.2	0.5	0.0	--	1.0
Aug 2010	280	47	0	--	326	0.2	71.1	269.4	518.7	--	859.2	10.5	0.5	0.0	--	1.0
Sep 2010	277	45	0	--	322	0.2	73.8	264.6	510.3	--	848.7	10.4	0.5	0.0	--	1.1
Oct 2010	286	47	0	--	332	0.2	70.9	268.4	529.6	--	868.9	10.8	0.5	0.0	--	1.0
Nov 2010	273	43	0	--	316	0.2	69.8	268.9	521.6	--	860.2	10.8	0.4	0.0	--	1.0
Dec 2010	272	44	0	--	316	0.2	67.7	267.7	530.8	--	866.2	10.8	0.4	0.0	--	1.0
Jan 2011	275	44	0	--	319	0.2	69.3	266.9	529.7	--	865.9	10.6	0.4	0.0	--	1.0
Feb 2011	222	39	0	--	261	0.1	67.3	263.0	545.1	--	875.5	9.8	0.4	0.0	--	0.9
Mar 2011	241	44	0	--	286	0.1	65.0	283.3	526.1	--	874.5	10.0	0.4	0.0	--	0.9
Apr 2011	234	42	0	--	277	0.1	67.1	285.1	505.0	--	857.2	9.7	0.4	0.0	--	0.9
May 2011	239	46	0	--	285	0.1	65.4	285.8	500.7	--	851.9	9.8	0.4	0.0	--	0.9
Jun 2011	237	45	0	--	282	0.1	66.2	284.6	499.9	--	850.7	9.9	0.4	0.0	--	0.9
Jul 2011	248	46	0	--	294	0.1	67.8	285.5	535.8	--	889.1	9.8	0.4	0.0	--	0.9
Aug 2011	235	45	0	--	280	0.1	67.3	273.9	507.0	--	848.3	9.4	0.4	0.0	--	0.9
Sep 2011	220	43	0	--	263	0.1	65.8	270.6	461.3	--	797.7	9.3	0.4	0.0	--	0.9
Oct 2011	228	45	0	--	273	0.1	67.5	270.7	467.7	--	805.8	9.1	0.4	0.0	--	0.9
Nov 2011	226	43	0	--	270	0.1	67.9	268.2	494.3	--	830.3	9.2	0.4	0.0	--	0.9
Dec 2011	227	45	0	--	273	0.1	65.0	267.3	475.2	--	807.5	9.4	0.5	0.0	--	0.9
Jan 2012	228	43	0	--	272	0.1	64.4	268.7	470.2	--	803.3	9.5	0.4	0.0	--	0.9
Feb 2012	221	44	0	--	265	0.1	64.5	269.1	469.4	--	803.1	9.8	0.5	0.0	--	0.9
Mar 2012	234	47	0	--	281	0.1	64.2	270.9	566.0	--	901.1	9.8	0.5	0.0	--	0.8
Apr 2012	223	45	0	--	268	0.1	63.7	273.1	567.9	--	904.7	9.7	0.5	0.0	--	0.8

TABLE 6: CHROMIUM REMOVED FROM THE ENVIRONMENT
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Month	Chromium Mass Removed						Extraction Rate					Average Chromium Concentration				
	Interceptor Well Field (lbs)	Athens Road Well Field (lbs)	Seep Well Field (lbs)	AP Area ¹ (lbs)	Total Pounds Removed	Total Tons Removed	Interceptor Well Field (gpm)	Athens Road Well Field (gpm)	Seep Well Field (gpm)	AP Area ¹ (gpm)	Total (gpm)	Interceptor Well Field (mg/L)	Athens Road Well Field (mg/L)	Seep Well Field (mg/L)	AP Area ¹ (mg/L)	Total (mg/L)
May 2012	205	43	0	--	248	0.1	61.8	278.2	571.7	--	911.7	8.9	0.4	0.0	--	0.7
Jun 2012	195	41	0	--	237	0.1	61.6	272.8	590.8	--	925.2	8.8	0.4	0.0	--	0.7
Jul 2012	201	42	0	--	243	0.1	61.8	271.5	590.4	--	923.8	8.7	0.4	0.0	--	0.7
Aug 2012	228	43	1	--	272	0.1	62.4	272.2	578.8	--	913.4	9.8	0.4	0.0	--	0.8
Sep 2012	254	42	1	--	297	0.1	73.7	280.7	602.4	--	956.9	9.6	0.4	0.0	--	0.9
Oct 2012	289	44	1	--	334	0.2	74.4	278.7	602.8	--	955.9	10.4	0.4	0.0	--	0.9
Nov 2012	245	47	0	--	292	0.1	68.6	290.9	597.2	--	956.6	9.9	0.4	0.0	--	0.8
Dec 2012	262	48	0	--	310	0.2	72.8	290.3	590.5	--	953.6	9.6	0.4	0.0	--	0.9
Jan 2013	263	48	0	--	311	0.2	70.6	288.1	589.6	--	948.3	10.0	0.4	0.0	--	0.9
Feb 2013	232	41	0	--	273	0.1	70.7	282.8	587.1	--	940.5	9.7	0.4	0.0	--	0.9
Mar 2013	252	45	0	--	298	0.1	68.1	280.8	578.8	--	927.7	9.9	0.4	0.0	--	0.9
Apr 2013	250	44	0	--	294	0.1	68.4	281.2	570.9	--	920.5	10.1	0.4	0.0	--	0.9
May 2013	281	31	0	--	313	0.2	65.4	270.2	568.8	--	904.4	11.5	0.3	0.0	--	0.9
Jun 2013	269	31	0	--	300	0.2	66.6	280.6	558.3	--	905.5	11.2	0.3	0.0	--	0.9
Jul 2013	276	31	0	--	308	0.2	66.2	274.8	570.2	--	911.2	11.2	0.3	0.0	--	0.9
Aug 2013	261	44	0	--	305	0.2	65.6	277.1	545.1	--	887.8	10.7	0.4	0.0	--	0.9
Sep 2013	249	45	0	--	293	0.1	66.7	274.0	508.9	--	849.6	10.3	0.5	0.0	--	1.0
Oct 2013	258	45	0	--	303	0.2	66.7	283.8	507.4	--	857.9	10.4	0.4	0.0	--	0.9
Nov 2013	237	36	0	--	273	0.1	66.2	274.2	476.6	--	817.0	9.9	0.4	0.0	--	0.9
Dec 2013	259	39	0	--	298	0.1	71.3	285.3	477.6	--	834.2	9.7	0.4	0.0	--	1.0
Jan 2014	262	38	0	--	300	0.2	71.7	283.0	503.2	--	857.8	9.8	0.4	0.0	--	0.9
Feb 2014	222	30	0	--	252	0.1	71.8	282.8	510.9	--	865.5	9.2	0.3	0.0	--	0.9
Mar 2014	244	32	0	--	276	0.1	73.1	272.9	492.5	--	838.4	9.0	0.3	0.0	--	0.9
Apr 2014	230	32	0	--	262	0.1	71.1	276.8	488.6	--	836.5	9.0	0.3	0.0	--	0.9
May 2014	250	38	2	--	290	0.1	73.3	284.6	496.0	--	853.9	9.1	0.4	0.0	--	0.9
Jun 2014	259	37	2	--	298	0.1	78.1	285.4	481.0	--	844.5	9.2	0.4	0.0	--	1.0
Jul 2014	252	37	2	--	291	0.1	71.9	281.5	506.4	--	859.9	9.4	0.4	0.0	--	0.9
Aug 2014	212	42	3	--	257	0.1	69.0	288.1	519.1	--	876.1	8.2	0.4	0.0	--	0.8
Sep 2014	204	42	3	--	248	0.1	68.5	292.8	524.2	--	885.5	8.2	0.4	0.0	--	0.8
Oct 2014	209	43	3	--	254	0.1	68.3	289.2	517.0	--	874.5	8.2	0.4	0.0	--	0.8
Nov 2014	203	39	0	--	242	0.1	67.9	277.5	525.1	--	870.5	8.3	0.4	0.0	--	0.8
Dec 2014	209	45	0	--	254	0.1	71.5	283.7	521.1	--	876.3	7.8	0.4	0.0	--	0.8
Jan 2015	200	42	0	--	243	0.1	71.4	283.6	519.6	--	874.7	7.5	0.4	0.0	--	0.7
Feb 2015	180	37	0	--	218	0.1	70.1	284.0	595.8	--	949.9	7.6	0.4	0.0	--	0.7
Mar 2015	193	42	0	--	235	0.1	68.4	287.5	590.3	--	946.1	7.5	0.4	0.0	--	0.7
Apr 2015	177	40	0	--	218	0.1	66.1	287.2	559.0	--	912.3	7.4	0.4	0.0	--	0.7
May 2015	181	41	0	--	222	0.1	67.1	285.7	525.9	--	878.7	7.2	0.4	0.0	--	0.7
Jun 2015	170	40	0	--	210	0.1	64.7	287.0	533.3	--	885.0	7.3	0.4	0.0	--	0.7
Jul 2015	174	39	0	--	214	0.1	63.9	280.1	546.1	--	890.2	7.3	0.4	0.0	--	0.6
Aug 2015	193	36	0	--	228	0.1	62.5	275.1	547.8	--	885.4	8.3	0.3	0.0	--	0.7
Sep 2015	188	39	0	--	226	0.1	62.9	294.5	568.7	--	926.1	8.3	0.4	0.0	--	0.7
Oct 2015	199	35	0	--	234	0.1	62.0	241.2	531.9	--	835.1	8.6	0.4	0.0	--	0.7
Nov 2015	162	37	0	--	199	0.1	54.8	296.7	457.7	--	809.2	8.2	0.3	0.0	--	0.7
Dec 2015	163	37	0	--	201	0.1	57.8	269.7	522.6	--	850.1	7.6	0.4	0.0	--	0.6
Jan 2016	199	31	0	--	231	0.1	59.1	254.4	528.6	--	842.1	9.0	0.3	0.0	--	0.7
Feb 2016	149	28	0	--	178	0.1	54.2	250.9	535.8	--	840.8	7.9	0.3	0.0	--	0.6
Mar 2016	177	35	0	--	212	0.1	53.2	258.5	537.7	--	849.3	8.9	0.4	0.0	--	0.7

TABLE 6: CHROMIUM REMOVED FROM THE ENVIRONMENT

Nevada Environmental Response Trust Site

Henderson, Nevada

Month	Chromium Mass Removed						Extraction Rate					Average Chromium Concentration				
	Interceptor Well Field (lbs)	Athens Road Well Field (lbs)	Seep Well Field (lbs)	AP Area ¹ (lbs)	Total Pounds Removed	Total Tons Removed	Interceptor Well Field (gpm)	Athens Road Well Field (gpm)	Seep Well Field (gpm)	AP Area ¹ (gpm)	Total (gpm)	Interceptor Well Field (mg/L)	Athens Road Well Field (mg/L)	Seep Well Field (mg/L)	AP Area ¹ (mg/L)	Total (mg/L)
Apr 2016	185	33	0	--	218	0.1	63.8	264.4	534.3	--	862.6	8.0	0.3	0.0	--	0.7
May 2016	211	34	0	--	245	0.1	67.8	275.2	539.2	--	882.1	8.4	0.3	0.0	--	0.7
Jun 2016	212	31	0	--	243	0.1	71.3	280.9	555.9	--	908.1	8.2	0.3	0.0	--	0.7
Jul 2016	179	31	0	--	210	0.1	53.8	292.8	547.7	--	894.3	8.9	0.3	0.0	--	0.6
Aug 2016	198	37	0	--	236	0.1	65.1	358.8	550.5	--	974.3	8.2	0.3	0.0	--	0.6
Sep 2016	173	29	0	--	202	0.1	59.1	356.0	565.3	--	980.4	8.1	0.2	0.0	--	0.6
Oct 2016	175	12	0	0	188	0.1	60.5	99.7	426.0	0.2	586.3	7.8	0.3	0.0	0.0	0.9
Nov 2016	168	41	0	0	209	0.1	58.6	377.3	548.8	1.5	986.0	7.9	0.3	0.0	0.0	0.6
Dec 2016	186	40	0	0	226	0.1	62.2	416.9	465.3	1.9	946.3	8.0	0.3	0.0	0.0	0.6
Jan 2017	159	32	3	0	195	0.1	65.8	410.0	571.4	4.4	1051.6	6.5	0.2	0.0	0.0	0.5
Feb 2017	152	25	1	0	178	0.1	64.7	405.1	633.8	5.2	1108.8	7.0	0.2	0.0	0.0	0.5
Mar 2017	187	27	0	0	214	0.1	65.1	387.7	674.0	5.4	1132.1	7.7	0.2	0.0	0.0	0.5
Apr 2017	193	29	0	0	222	0.1	65.7	362.7	679.7	5.4	1113.5	8.1	0.2	0.0	0.0	0.6
May 2017	196	27	0	0	223	0.1	64.4	376.4	674.1	5.3	1120.2	8.2	0.2	0.0	0.0	0.5
Jun 2017	172	26	0	0	198	0.1	64.6	431.6	688.0	6.0	1190.2	7.4	0.2	0.0	0.0	0.5

Notes:

¹AP Area extraction wells were tested in October 2016 and began operating continuously in November 2016. Mass removal numbers presented were originally reported in the GWETS operation monthly reports submitted to NDEP by Envirogen. Concentrations and mass removals shown for AP Area extraction wells are for hexavalent chromium. Concentrations and mass removals shown for well fields are for total chromium.

Mass removal rates presented in this spreadsheet were determined using a methodology which has been approved by NDEP (Tetra Tech 2015).

Though chromium treatment has occurred at the Site since the mid-1980s, complete chromium concentration and/or pumping data sets for reporting years prior to July 2004 are not available.

-- = no data available

gpm = gallons per minute

lbs = pounds

mg/L = milligrams per liter

TABLE 7: WEEKLY CHROMIUM IN EFFLUENT DISCHARGE, JULY 2016 - JUNE 2017

Nevada Environmental Response Trust Site

Henderson, Nevada

Sample Date	Effluent Location	Total Chromium EPA 200.7 (mg/L)	Total Chromium SQL (mg/L)	Hexavalent Chromium EPA 218.6 (mg/L)	Hexavalent Chromium SQL (mg/L)
07/04/2016	OUTFALL 001 EFFLUENT	0.0049 J	0.0025	<0.00025 H	0.00025
07/11/2016	OUTFALL 001 EFFLUENT	0.0035 J	0.0025	<0.00025	0.00025
07/18/2016	OUTFALL 001 EFFLUENT	0.0078	0.0025	<0.00025	0.00025
07/25/2016	OUTFALL 001 EFFLUENT	0.020	0.0025	<0.00025	0.00025
08/01/2016	OUTFALL 001 EFFLUENT	0.0069	0.0025	<0.00025	0.00025
	OUTFALL 001 EFFLUENT	0.0077	0.0025	NA	NA
08/08/2016	OUTFALL 001 EFFLUENT	0.016	0.0025	<0.00025	0.00025
08/15/2016	OUTFALL 001 EFFLUENT	0.0050	0.0025	<0.00025	0.00025
08/22/2016	OUTFALL 001 EFFLUENT	0.0064	0.0025	<0.00025	0.00025
08/29/2016	OUTFALL 001 EFFLUENT	0.011	0.0025	<0.00025	0.00025
09/06/2016	OUTFALL 001 EFFLUENT	0.023	0.0025	<0.00025	0.00025
09/12/2016	OUTFALL 001 EFFLUENT	0.0062	0.0025	<0.00025	0.00025
09/19/2016	OUTFALL 001 EFFLUENT	0.0078	0.0025	<0.00025	0.00025
09/26/2016	OUTFALL 001 EFFLUENT	0.0075	0.0025	<0.00025	0.00025
10/03/2016	OUTFALL 001 EFFLUENT	<0.0025	0.0025	<0.00025	0.00025
	OUTFALL 001 EFFLUENT	<0.0025	0.0025	NA	NA
10/10/2016	OUTFALL 001 EFFLUENT	0.0036 J	0.0025	<0.00025	0.00025
10/17/2016	OUTFALL 001 EFFLUENT	0.0051	0.0025	<0.00025	0.00025
10/24/2016	OUTFALL 001 EFFLUENT	0.0077	0.0025	<0.00025	0.00025
10/31/2016	OUTFALL 001 EFFLUENT	0.0076	0.0025	<0.00025	0.00025
11/07/2016	OUTFALL 001 EFFLUENT	0.041	0.0025	<0.00025	0.00025
11/14/2016	OUTFALL 001 EFFLUENT	0.037	0.0025	<0.00025 H	0.00025
11/21/2016	OUTFALL 001 EFFLUENT	0.024	0.0025	<0.000066	0.000066
11/28/2016	OUTFALL 001 EFFLUENT	0.014	0.0025	<0.00025	0.00025
12/05/2016	OUTFALL 001 EFFLUENT	0.011	0.0025	<0.00025	0.00025
12/12/2016	OUTFALL 001 EFFLUENT	0.014	0.0025	<0.00025	0.00025
12/19/2016	OUTFALL 001 EFFLUENT	0.028	0.0025	<0.00025	0.00025
12/27/2016	OUTFALL 001 EFFLUENT	0.013	0.0025	0.00070 J	0.00025
01/03/2017	OUTFALL 001 EFFLUENT	0.0080	0.0025	<0.00025	0.00025
01/09/2017	OUTFALL 001 EFFLUENT	0.030	0.0025	<0.00025	0.00025
01/10/2017	OUTFALL 001 EFFLUENT	0.011	0.0025	NA	NA
01/11/2017	OUTFALL 001 EFFLUENT	NA	NA	<0.00025	0.00025
01/16/2017	OUTFALL 001 EFFLUENT	NA	NA	<0.00025	0.00025
	OUTFALL 001 EFFLUENT	0.017	0.0025	<0.00025	0.00025
01/24/2017	OUTFALL 001 EFFLUENT	0.029	0.0025	<0.00025	0.00025
01/30/2017	OUTFALL 001 EFFLUENT	0.016	0.00066	<0.00025	0.00025
02/06/2017	OUTFALL 001 EFFLUENT	0.021	0.00066	<0.00025	0.00025
02/13/2017	OUTFALL 001 EFFLUENT	0.036	0.00066	<0.00025	0.00025

TABLE 7: WEEKLY CHROMIUM IN EFFLUENT DISCHARGE, JULY 2016 - JUNE 2017

Nevada Environmental Response Trust Site

Henderson, Nevada

Sample Date	Effluent Location	Total Chromium EPA 200.7 (mg/L)	Total Chromium SQL (mg/L)	Hexavalent Chromium EPA 218.6 (mg/L)	Hexavalent Chromium SQL (mg/L)
02/21/2017	OUTFALL 001 EFFLUENT	0.010	0.00066	<0.00025	0.00025
02/27/2017	OUTFALL 001 EFFLUENT	0.0089 J	0.00066	<0.00025	0.00025
03/06/2017	OUTFALL 001 EFFLUENT	0.0079 J	0.00066	<0.00025	0.00025
03/13/2017	OUTFALL 001 EFFLUENT	0.0067 J	0.00066	<0.00025 H	0.00025
03/20/2017	OUTFALL 001 EFFLUENT	0.0095	0.0025	<0.00025	0.00025
03/27/2017	OUTFALL 001 EFFLUENT	0.0071 J	0.00066	<0.00025	0.00025
04/03/2017	OUTFALL 001 EFFLUENT	0.017	0.0025	<0.00025	0.00025
04/10/2017	OUTFALL 001 EFFLUENT	0.012	0.0025	<0.00025	0.00025
04/17/2017	OUTFALL 001 EFFLUENT	0.020	0.0025	<0.00025	0.00025
04/24/2017	OUTFALL 001 EFFLUENT	0.011	0.0025	<0.00025	0.00025
05/01/2017	OUTFALL 001 EFFLUENT	0.0076	0.0025	<0.00025	0.00025
	OUTFALL 001 EFFLUENT	0.0079	0.0025	NA	NA
05/08/2017	OUTFALL 001 EFFLUENT	0.0085	0.0025	<0.00025	0.00025
05/15/2017	OUTFALL 001 EFFLUENT	0.0090	0.0025	<0.00025	0.00025
05/22/2017	OUTFALL 001 EFFLUENT	0.0061	0.0025	<0.00025	0.00025
05/30/2017	OUTFALL 001 EFFLUENT	0.010	0.0025	<0.00025	0.00025
06/05/2017	OUTFALL 001 EFFLUENT	0.0058	0.0025	<0.00025	0.00025
06/12/2017	OUTFALL 001 EFFLUENT	0.021	0.0025	NA	NA
06/14/2017	OUTFALL 001 EFFLUENT	NA	NA	<0.00025	0.00025
06/19/2017	OUTFALL 001 EFFLUENT	0.0063	0.0025	<0.00025	0.00025
06/26/2017	OUTFALL 001 EFFLUENT	0.0079	0.0025	<0.00025	0.00025

Notes:

The effluent composite results above are the same as those used in the Discharge Monitoring Reports (DMRs) associated with the Site's National Pollution Discharge Elimination System (NPDES) Permit NV0023060. Prior to late January 2017, effluent associated with the Site's NPDES permit consisted of discharge from the Site's fluidized bed reactor (FBRs). After late January 2017, NPDES effluent included flow from both the FBRs and a newly installed ion exchange (IX) treatment system.

mg/L = milligrams per liter

NA = not analyzed

SQL = Sample Quantitation Limit

H = Sample was prepped or analyzed beyond the specified holding time

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

TABLE 8: PERCHLORATE REMOVED FROM THE ENVIRONMENT

Nevada Environmental Response Trust Site
Henderson, Nevada

Month	Perchlorate Mass Removed						Extraction Rate					Average Perchlorate Concentration				
	Interceptor Well Field (lbs)	Athens Road Well Field (lbs)	Seep Well Field (lbs)	AP Area ² (lbs)	Total Pounds Removed	Total Tons Removed	Interceptor Well Field (gpm)	Athens Road Well Field (gpm)	Seep Well Field (gpm)	AP Area ² (gpm)	Total (gpm)	Interceptor Well Field (mg/L)	Athens Road Well Field (mg/L)	Seep Well Field (mg/L)	AP Area ² (mg/L)	Total (mg/L)
Pre-Oct 2002 (since inception) ¹	735,790	22,527	369,255	--	1,127,572	563.8	--	--	--	--	--	--	--	--	--	--
Oct 2002	43,462	10,261	15,345	--	69,068	34.5	--	--	--	--	--	--	--	--	--	--
Nov 2002	34,380	30,030	12,660	--	77,070	38.5	--	--	--	--	--	--	--	--	--	--
Dec 2002	40,052	36,084	6,448	--	82,584	41.3	--	--	--	--	--	--	--	--	--	--
Jan 2003	45,477	33,372	12,651	--	91,500	45.7	--	--	--	--	--	--	--	--	--	--
Feb 2003	29,680	21,984	13,491	--	65,155	32.6	--	--	--	--	--	--	--	--	--	--
Mar 2003	33,077	24,988	17,858	--	75,923	38.0	--	--	--	--	--	--	--	--	--	--
Apr 2003	30,990	21,232	19,925	--	72,146	36.1	--	--	--	--	--	--	--	--	--	--
May 2003	35,588	22,573	19,855	--	78,016	39.0	--	--	--	--	--	--	--	--	--	--
Jun 2003	32,940	27,261	18,834	--	79,035	39.5	--	--	--	--	--	--	--	--	--	--
Jul 2003	32,054	23,675	17,065	--	72,795	36.4	--	--	--	--	--	--	--	--	--	--
Aug 2003	30,969	22,997	13,361	--	67,327	33.7	--	--	--	--	--	--	--	--	--	--
Sep 2003	28,120	23,060	12,464	--	63,644	31.8	--	--	--	--	--	--	--	--	--	--
Oct 2003	31,080	23,782	11,482	--	66,344	33.2	--	--	--	--	--	--	--	--	--	--
Nov 2003	28,460	21,413	10,118	--	59,991	30.0	--	--	--	--	--	--	--	--	--	--
Dec 2003	28,905	22,763	9,850	--	61,518	30.8	--	--	--	--	--	--	--	--	--	--
Jan 2004	29,075	21,402	9,473	--	59,950	30.0	--	--	--	--	--	--	--	--	--	--
Feb 2004	25,558	18,910	9,347	--	53,816	26.9	--	--	--	--	--	--	--	--	--	--
Mar 2004	28,412	22,991	6,853	--	58,256	29.1	--	--	--	--	--	--	--	--	--	--
Apr 2004	25,624	22,046	4,528	--	52,197	26.1	--	--	--	--	--	--	--	--	--	--
May 2004	27,575	22,968	3,797	--	54,340	27.2	--	--	--	--	--	--	--	--	--	--
Jun 2004	29,340	22,603	4,698	--	56,641	28.3	--	--	--	--	--	--	--	--	--	--
Jul 2004	30,536	23,568	6,059	--	60,163	30.1	59.5	245.4	704.3	--	1009.3	1,380	258	23.1	--	160
Aug 2004	29,186	24,900	6,222	--	60,308	30.2	57.3	241.6	684.8	--	983.8	1,370	277	24.4	--	165
Sep 2004	29,090	25,037	5,074	--	59,201	29.6	55.8	243.2	649.4	--	948.4	1,450	286	21.7	--	174
Oct 2004	32,169	24,779	5,550	--	62,498	31.2	58.7	239.3	690.4	--	988.3	1,475	279	21.6	--	170
Nov 2004	30,474	24,423	5,030	--	59,928	30.0	62.5	243.2	698.1	--	1003.9	1,355	279	20.0	--	166
Dec 2004	28,805	25,135	3,785	--	57,725	28.9	65.1	257.6	681.0	--	1003.8	1,190	262	15.0	--	155
Jan 2005	30,769	24,047	4,399	--	59,215	29.6	67.5	254.0	665.6	--	987.0	1,227	255	17.8	--	161
Feb 2005	27,315	22,110	4,042	--	53,467	26.7	65.9	254.1	713.6	--	1033.7	1,234	259	16.9	--	154
Mar 2005	29,873	24,214	4,887	--	58,975	29.5	63.5	251.2	725.2	--	1039.9	1,265	259	18.1	--	153
Apr 2005	29,132	23,613	4,362	--	57,107	28.6	65.3	244.2	711.9	--	1021.4	1,240	269	17.0	--	155
May 2005	29,952	25,973	4,720	--	60,646	30.3	64.0	234.7	701.8	--	1000.5	1,258	298	18.1	--	163
Jun 2005	29,100	23,779	4,521	--	57,400	28.7	64.5	237.5	703.4	--	1005.5	1,253	278	17.9	--	159
Jul 2005	32,859	23,853	4,773	--	61,485	30.7	65.5	234.7	686.6	--	986.9	1,350	273	18.7	--	168
Aug 2005	33,856	24,803	4,200	--	62,858	31.4	66.6	239.2	680.6	--	986.4	1,369	279	16.6	--	171
Sep 2005	33,662	24,185	2,536	--	60,384	30.2	65.4	254.9	634.3	--	954.6	1,431	264	11.1	--	176
Oct 2005	32,869	24,709	3,075	--	60,653	30.3	64.4	251.6	621.5	--	937.5	1,374	264	13.3	--	174
Nov 2005	32,152	23,194	3,326	--	58,672	29.3	66.1	244.9	619.6	--	930.6	1,353	263	14.9	--	175
Dec 2005	34,828	22,494	3,766	--	61,088	30.5	63.8	236.5	621.1	--	921.4	1,469	256	16.3	--	178
Jan 2006	30,490	23,448	4,386	--	58,325	29.2	62.9	237.8	657.0	--	957.7	1,303	265	18.0	--	164
Feb 2006	27,291	20,550	3,357	--	51,197	25.6	63.8	239.1	664.1	--	967.0	1,273	256	15.1	--	158
Mar 2006	29,986	22,829	3,382	--	56,198	28.1	63.5	235.1	661.6	--	960.2	1,270	261	13.8	--	157
Apr 2006	30,337	22,464	3,797	--	56,598	28.3	63.7	224.1	660.6	--	948.5	1,325	279	16.0	--	166

TABLE 8: PERCHLORATE REMOVED FROM THE ENVIRONMENT

Nevada Environmental Response Trust Site

Henderson, Nevada

Month	Perchlorate Mass Removed						Extraction Rate					Average Perchlorate Concentration				
	Interceptor Well Field (lbs)	Athens Road Well Field (lbs)	Seep Well Field (lbs)	AP Area ² (lbs)	Total Pounds Removed	Total Tons Removed	Interceptor Well Field (gpm)	Athens Road Well Field (gpm)	Seep Well Field (gpm)	AP Area ² (gpm)	Total (gpm)	Interceptor Well Field (mg/L)	Athens Road Well Field (mg/L)	Seep Well Field (mg/L)	AP Area ² (mg/L)	Total (mg/L)
May 2006	29,304	22,089	4,073	--	55,466	27.7	65.3	239.2	669.5	--	974.1	1,207	248	16.4	--	153
Jun 2006	26,205	22,594	4,054	--	52,854	26.4	61.9	244.1	669.8	--	975.9	1,176	257	16.8	--	151
Jul 2006	28,521	20,043	3,813	--	52,377	26.2	65.4	239.5	670.6	--	975.5	1,173	225	15.3	--	144
Aug 2006	28,687	20,327	4,312	--	53,325	26.7	63.6	240.9	664.4	--	969.0	1,214	227	17.5	--	148
Sep 2006	31,916	23,035	4,722	--	59,674	29.8	66.2	251.5	656.4	--	974.0	1,341	255	20.0	--	170
Oct 2006	31,553	24,110	4,161	--	59,824	29.9	66.4	254.7	649.0	--	970.0	1,279	255	17.3	--	166
Nov 2006	26,024	21,711	3,073	--	50,809	25.4	63.9	258.0	524.0	--	845.8	1,133	234	16.3	--	167
Dec 2006	26,971	23,108	3,739	--	53,818	26.9	64.6	253.4	629.2	--	947.1	1,124	245	16.0	--	153
Jan 2007	29,386	24,364	3,025	--	56,775	28.4	66.1	256.2	638.2	--	960.4	1,197	256	12.8	--	159
Feb 2007	24,375	20,603	2,542	--	47,520	23.8	68.5	265.6	657.5	--	991.6	1,060	231	11.5	--	143
Mar 2007	28,380	21,358	2,715	--	52,454	26.2	68.4	259.0	601.3	--	928.6	1,116	222	12.2	--	152
Apr 2007	26,893	20,765	2,693	--	50,351	25.2	68.1	257.2	631.5	--	956.8	1,098	225	11.9	--	146
May 2007	27,577	21,052	3,106	--	51,734	25.9	66.2	259.1	660.5	--	985.8	1,120	219	12.6	--	141
Jun 2007	24,969	19,264	2,727	--	46,959	23.5	64.3	258.5	673.7	--	996.5	1,079	207	11.3	--	131
Jul 2007	28,271	20,425	2,088	--	50,785	25.4	63.7	257.8	656.7	--	978.3	1,193	213	8.6	--	140
Aug 2007	26,034	19,581	1,714	--	47,329	23.7	61.2	258.5	611.0	--	930.7	1,145	204	7.5	--	137
Sep 2007	25,266	18,926	1,602	--	45,794	22.9	59.2	251.1	605.2	--	915.5	1,187	210	7.4	--	139
Oct 2007	26,065	21,264	1,644	--	48,973	24.5	59.4	264.5	617.0	--	940.9	1,181	216	7.2	--	140
Nov 2007	22,872	20,247	1,663	--	44,782	22.4	57.3	264.1	622.9	--	944.3	1,110	213	7.4	--	132
Dec 2007	22,995	20,294	1,845	--	45,134	22.6	55.4	264.1	627.6	--	947.1	1,117	207	7.9	--	128
Jan 2008	27,076	19,543	1,791	--	48,410	24.2	56.5	262.9	631.2	--	950.7	1,289	200	7.6	--	137
Feb 2008	23,735	18,381	1,762	--	43,878	21.9	59.1	262.2	608.9	--	930.3	1,154	202	8.3	--	136
Mar 2008	26,965	20,640	1,854	--	49,460	24.7	61.6	265.0	614.0	--	940.6	1,178	210	8.1	--	141
Apr 2008	24,895	19,674	1,628	--	46,196	23.1	61.9	268.1	623.1	--	953.1	1,118	204	7.3	--	135
May 2008	22,360	19,429	1,433	--	43,222	21.6	60.6	266.5	618.8	--	945.9	993	196	6.2	--	123
Jun 2008	21,965	19,116	1,311	--	42,393	21.2	61.0	271.5	630.3	--	962.8	1,001	196	5.8	--	122
Jul 2008	25,338	20,858	1,676	--	47,872	23.9	63.4	273.5	618.5	--	955.4	1,076	205	7.3	--	135
Aug 2008	29,309	21,022	1,822	--	52,153	26.1	65.7	276.5	585.1	--	927.3	1,201	205	8.4	--	151
Sep 2008	23,943	19,048	1,679	--	44,670	22.3	65.4	275.7	589.9	--	931.0	1,018	192	7.9	--	133
Oct 2008	24,824	19,393	1,574	--	45,791	22.9	65.5	275.3	597.2	--	938.0	1,020	190	7.1	--	131
Nov 2008	24,199	19,286	1,436	--	44,921	22.5	65.4	279.0	560.4	--	904.8	1,029	192	7.1	--	138
Dec 2008	25,071	21,007	1,793	--	47,871	23.9	65.4	285.8	562.7	--	914.0	1,031	198	8.6	--	141
Jan 2009	26,792	20,422	1,352	--	48,567	24.3	66.8	276.4	586.0	--	929.3	1,078	199	6.2	--	141
Feb 2009	23,092	18,143	935	--	42,170	21.1	66.7	267.5	584.2	--	918.4	1,031	202	4.8	--	137
Mar 2009	26,800	22,333	1,108	--	50,242	25.1	67.6	258.9	606.0	--	932.4	1,067	232	4.9	--	145
Apr 2009	24,995	20,556	1,011	--	46,562	23.3	67.5	260.0	595.9	--	923.3	1,029	220	4.7	--	140
May 2009	25,528	20,293	1,099	--	46,920	23.5	66.6	256.8	598.6	--	922.0	1,031	213	4.9	--	137
Jun 2009	25,967	18,530	1,060	--	45,557	22.8	69.3	258.2	579.9	--	907.4	1,042	199	5.1	--	140
Jul 2009	25,818	20,901	1,235	--	47,953	24.0	68.6	282.6	572.2	--	923.4	1,012	199	5.8	--	140
Aug 2009	26,627	20,201	1,340	--	48,168	24.1	69.3	226.7	561.8	--	857.7	1,034	240	6.4	--	151
Sep 2009	28,150	20,125	1,433	--	49,708	24.9	71.2	230.7	559.4	--	861.4	1,099	242	7.1	--	160
Oct 2009	26,266	19,271	1,378	--	46,914	23.5	74.9	238.1	562.2	--	875.2	944	218	6.6	--	144
Nov 2009	26,816	18,379	1,415	--	46,611	23.3	74.5	234.7	564.6	--	873.8	1,001	218	7.0	--	148
Dec 2009	27,628	19,679	1,532	--	48,839	24.4	73.3	248.1	582.4	--	903.8	1,015	213	7.1	--	145
Jan 2010	28,320	20,504	1,709	--	50,533	25.3	71.8	240.2	571.0	--	883.0	1,062	230	8.1	--	154
Feb 2010	23,883	18,894	1,493	--	44,270	22.1	75.3	246.6	573.5	--	895.3	945	228	7.8	--	147
Mar 2010	29,416	19,490	1,507	--	50,413	25.2	73.2	255.4	562.2	--	890.8	1,081	205	7.2	--	152

TABLE 8: PERCHLORATE REMOVED FROM THE ENVIRONMENT

Nevada Environmental Response Trust Site

Henderson, Nevada

Month	Perchlorate Mass Removed						Extraction Rate					Average Perchlorate Concentration				
	Interceptor Well Field (lbs)	Athens Road Well Field (lbs)	Seep Well Field (lbs)	AP Area ² (lbs)	Total Pounds Removed	Total Tons Removed	Interceptor Well Field (gpm)	Athens Road Well Field (gpm)	Seep Well Field (gpm)	AP Area ² (gpm)	Total (gpm)	Interceptor Well Field (mg/L)	Athens Road Well Field (mg/L)	Seep Well Field (mg/L)	AP Area ² (mg/L)	Total (mg/L)
Apr 2010	27,792	19,108	1,507	--	48,408	24.2	73.2	244.1	540.8	--	858.1	1,055	218	7.7	--	157
May 2010	30,488	23,485	1,637	--	55,610	27.8	75.1	266.2	548.5	--	889.8	1,092	237	8.0	--	168
Jun 2010	28,252	21,992	1,602	--	51,846	25.9	73.8	267.3	527.4	--	868.5	1,064	229	8.4	--	166
Jul 2010	26,014	20,209	1,415	--	47,638	23.8	73.0	269.4	533.7	--	876.1	959	202	7.1	--	146
Aug 2010	26,223	20,722	1,349	--	48,294	24.1	71.1	269.4	518.7	--	859.2	992	207	7.0	--	151
Sep 2010	24,977	21,219	1,368	--	47,564	23.8	73.8	264.6	510.3	--	848.7	941	223	7.5	--	156
Oct 2010	24,609	19,578	1,575	--	45,762	22.9	70.9	268.4	529.6	--	868.9	934	196	8.0	--	142
Nov 2010	22,829	19,060	1,513	--	43,401	21.7	69.8	268.9	521.6	--	860.2	910	197	8.1	--	140
Dec 2010	21,292	19,729	1,306	--	42,327	21.2	67.7	267.7	530.8	--	866.2	846	198	6.6	--	131
Jan 2011	22,791	18,539	742	--	42,073	21.0	69.3	266.9	529.7	--	865.9	885	187	3.8	--	131
Feb 2011	19,850	16,457	1,054	--	37,362	18.7	67.3	263.0	545.1	--	875.5	878	186	5.8	--	127
Mar 2011	22,724	19,639	1,332	--	43,695	21.8	65.0	283.3	526.1	--	874.5	941	187	6.8	--	134
Apr 2011	23,716	18,472	1,453	--	43,641	21.8	67.1	285.1	505.0	--	857.2	983	180	8.0	--	142
May 2011	22,699	19,591	1,762	--	44,053	22.0	65.4	285.8	500.7	--	851.9	934	184	9.5	--	139
Jun 2011	22,707	19,162	1,376	--	43,246	21.6	66.2	284.6	499.9	--	850.7	953	187	7.7	--	141
Jul 2011	23,445	20,015	1,265	--	44,726	22.4	67.8	285.5	535.8	--	889.1	931	189	6.4	--	135
Aug 2011	23,817	19,541	1,220	--	44,578	22.3	67.3	273.9	507.0	--	848.3	952	192	6.5	--	141
Sep 2011	22,519	18,563	1,229	--	42,312	21.2	65.8	270.6	461.3	--	797.7	951	191	7.4	--	147
Oct 2011	23,145	18,122	1,269	--	42,537	21.3	67.5	270.7	467.7	--	805.8	923	180	7.3	--	142
Nov 2011	20,878	17,112	1,223	--	39,212	19.6	67.9	268.2	494.3	--	830.3	855	177	6.9	--	131
Dec 2011	20,432	17,564	1,171	--	39,168	19.6	65.0	267.3	475.2	--	807.5	846	177	6.2	--	130
Jan 2012	21,517	18,946	1,278	--	41,741	20.9	64.4	268.7	470.2	--	803.3	899	190	7.8	--	140
Feb 2012	20,332	19,070	1,241	--	40,643	20.3	64.5	269.1	469.4	--	803.1	906	204	7.6	--	146
Mar 2012	22,330	19,388	1,415	--	43,134	21.6	64.2	270.9	566.0	--	901.1	936	193	6.7	--	129
Apr 2012	20,566	18,198	1,331	--	40,095	20.0	63.7	273.1	567.9	--	904.7	897	185	6.5	--	123
May 2012	21,283	20,624	1,468	--	43,375	21.7	61.8	278.2	571.7	--	911.7	926	199	6.9	--	128
Jun 2012	16,233	19,216	1,430	--	36,879	18.4	61.6	272.8	590.8	--	925.2	732	196	6.7	--	111
Jul 2012	20,501	19,243	1,512	--	41,256	20.6	61.8	271.5	590.4	--	923.8	892	191	6.9	--	120
Aug 2012	20,287	18,545	1,483	--	40,316	20.2	62.4	272.2	578.8	--	913.4	874	183	6.9	--	119
Sep 2012	31,253	18,766	1,825	--	51,844	25.9	73.7	280.7	602.4	--	956.9	1,178	186	8.4	--	151
Oct 2012	40,108	18,722	2,007	--	60,837	30.4	74.4	278.7	602.8	--	955.9	1,450	181	9.0	--	171
Nov 2012	34,347	18,181	1,496	--	54,024	27.0	68.6	290.9	597.2	--	956.6	1,392	174	7.0	--	157
Dec 2012	40,336	19,186	1,745	--	61,268	30.6	72.8	290.3	590.5	--	953.6	1,491	178	8.0	--	173
Jan 2013	40,061	19,889	1,793	--	61,742	30.9	70.6	288.1	589.6	--	948.3	1,527	186	8.2	--	175
Feb 2013	33,437	17,234	1,466	--	52,137	26.1	70.7	282.8	587.1	--	940.5	1,408	182	7.4	--	165
Mar 2013	33,163	18,919	1,596	--	53,679	26.8	68.1	280.8	578.8	--	927.7	1,311	181	7.4	--	156
Apr 2013	34,229	18,864	1,887	--	54,980	27.5	68.4	281.2	570.9	--	920.5	1,391	187	9.2	--	166
May 2013	33,665	17,498	1,933	--	53,095	26.5	65.4	270.2	568.8	--	904.4	1,384	174	9.1	--	158
Jun 2013	26,563	16,135	1,419	--	44,118	22.1	66.6	280.6	558.3	--	905.5	1,109	160	7.1	--	135
Jul 2013	29,359	16,206	1,658	--	47,223	23.6	66.2	274.8	570.2	--	911.2	1,193	159	7.8	--	139
Aug 2013	28,931	17,642	1,844	--	48,417	24.2	65.6	277.1	545.1	--	887.8	1,187	171	9.1	--	147
Sep 2013	28,676	17,273	1,332	--	47,281	23.6	66.7	274.0	508.9	--	849.6	1,194	175	7.3	--	155
Oct 2013	29,062	18,386	1,710	--	49,158	24.6	66.7	283.8	507.4	--	857.9	1,173	174	9.1	--	154
Nov 2013	23,861	15,422	1,614	--	40,898	20.4	66.2	274.2	476.6	--	817.0	1,001	156	9.4	--	139
Dec 2013	24,769	13,886	1,408	--	40,063	20.0	71.3	285.3	477.6	--	834.2	934	131	7.9	--	129
Jan 2014	29,261	14,864	1,753	--	45,879	22.9	71.7	283.0	503.2	--	857.8	1,095	141	9.4	--	144
Feb 2014	23,451	14,342	1,385	--	39,178	19.6	71.8	282.8	510.9	--	865.5	971	151	8.1	--	135

TABLE 8: PERCHLORATE REMOVED FROM THE ENVIRONMENT

Nevada Environmental Response Trust Site
Henderson, Nevada

Month	Perchlorate Mass Removed						Extraction Rate					Average Perchlorate Concentration				
	Interceptor Well Field (lbs)	Athens Road Well Field (lbs)	Seep Well Field (lbs)	AP Area ² (lbs)	Total Pounds Removed	Total Tons Removed	Interceptor Well Field (gpm)	Athens Road Well Field (gpm)	Seep Well Field (gpm)	AP Area ² (gpm)	Total (gpm)	Interceptor Well Field (mg/L)	Athens Road Well Field (mg/L)	Seep Well Field (mg/L)	AP Area ² (mg/L)	Total (mg/L)
Mar 2014	28,390	15,402	1,501	--	45,294	22.6	73.1	272.9	492.5	--	838.4	1,043	152	8.2	--	145
Apr 2014	24,233	14,081	1,345	--	39,659	19.8	71.1	276.8	488.6	--	836.5	945	141	7.7	--	132
May 2014	22,791	13,880	1,473	--	38,144	19.1	73.3	284.6	496.0	--	853.9	834	131	8.0	--	120
Jun 2014	29,239	12,679	1,424	--	43,341	21.7	78.1	285.4	481.0	--	844.5	1,038	123	8.2	--	142
Jul 2014	27,832	15,691	1,851	--	45,374	22.7	71.9	281.5	506.4	--	859.9	1,039	150	9.8	--	142
Aug 2014	26,040	15,795	1,831	--	43,666	21.8	69.0	288.1	519.1	--	876.1	1,014	147	9.5	--	134
Sep 2014	24,905	16,224	2,089	--	43,219	21.6	68.5	292.8	524.2	--	885.5	1,008	154	11.1	--	135
Oct 2014	24,912	16,698	2,157	--	43,767	21.9	68.3	289.2	517.0	--	874.5	979	155	11.2	--	134
Nov 2014	22,764	14,480	1,842	--	39,087	19.5	67.9	277.5	525.1	--	870.5	935	145	9.7	--	125
Dec 2014	22,836	15,743	1,932	--	40,512	20.3	71.5	283.7	521.1	--	876.3	858	149	10.0	--	124
Jan 2015	22,885	16,689	2,155	--	41,729	20.9	71.4	283.6	519.6	--	874.7	859	158	11.1	--	128
Feb 2015	22,790	14,018	2,222	--	39,030	19.5	70.1	284.0	595.8	--	949.9	965	147	11.1	--	122
Mar 2015	24,597	17,768	2,561	--	44,926	22.5	68.4	287.5	590.3	--	946.1	964	166	11.6	--	127
Apr 2015	22,852	18,086	2,287	--	43,226	21.6	66.1	287.2	559.0	--	912.3	958	174	11.3	--	131
May 2015	22,593	16,182	2,112	--	40,887	20.4	67.1	285.7	525.9	--	878.7	903	152	10.8	--	125
Jun 2015	21,383	16,809	2,121	--	40,313	20.2	64.7	287.0	533.3	--	885.0	915	162	11.0	--	126
Jul 2015	21,508	14,589	2,201	--	38,298	19.1	63.9	280.1	546.1	--	890.2	902	140	10.8	--	115
Aug 2015	18,680	15,934	2,240	--	36,854	18.4	62.5	275.1	547.8	--	885.4	801	155	11.0	--	112
Sep 2015	18,150	16,742	2,297	--	37,189	18.6	62.9	294.5	568.7	--	926.1	800	157	11.2	--	111
Oct 2015	18,634	14,904	2,177	--	35,716	17.9	62.0	241.2	531.9	--	835.1	806	166	11.0	--	115
Nov 2015	17,526	19,032	2,001	--	38,559	19.3	54.8	296.7	457.7	--	809.2	886	178	12.1	--	132
Dec 2015	18,860	15,907	2,380	--	37,146	18.6	57.8	269.7	522.6	--	850.1	875	158	12.2	--	117
Jan 2016	17,222	11,778	2,633	--	31,634	15.8	59.1	254.4	528.6	--	842.1	782	124	13.4	--	101
Feb 2016	12,008	12,152	2,052	--	26,213	13.1	54.2	250.9	535.8	--	840.8	635	139	11.0	--	89
Mar 2016	13,748	12,484	1,546	--	27,778	13.9	53.2	258.5	537.7	--	849.3	693	129	7.7	--	88
Apr 2016	16,032	14,146	1,734	--	31,912	16.0	63.8	264.4	534.3	--	862.6	696	148	9.0	--	102
May 2016	17,577	12,695	2,052	--	32,324	16.2	67.8	275.2	539.2	--	882.1	695	124	10.2	--	98
Jun 2016	18,529	13,458	2,283	--	34,270	17.1	71.3	280.9	555.9	--	908.1	720	133	11.4	--	105
Jul 2016	14,879	13,351	2,064	--	30,294	15.1	53.8	292.8	547.7	--	894.3	742	122	10.1	--	91
Aug 2016	15,573	14,486	2,231	--	32,290	16.1	65.1	358.8	550.5	--	974.3	642	108	10.9	--	89
Sep 2016	13,852	11,256	1,979	--	27,087	13.5	59.1	356.0	565.3	--	980.4	650	88	9.7	--	77
Oct 2016	14,021	4,751	1,752	79	20,603	10.3	60.5	99.7	426.0	0.2	586.3	622	128	11.0	1,454	94
Nov 2016	16,156	15,583	2,008	1,141	34,888	17.4	58.6	377.3	548.8	1.5	986.0	764	114	10.1	2,173	98
Dec 2016	18,429	17,320	1,956	1,309	39,014	19.5	62.2	416.9	465.3	1.9	946.3	795	111	11.3	1,824	111
Jan 2017	19,490	16,221	2,632	2,895	41,238	20.6	65.8	410.0	571.4	4.4	1051.6	794	106	12.3	1,760	105
Feb 2017	17,838	13,540	1,607	2,481	35,466	17.7	64.7	405.1	633.8	5.2	1108.8	818	99	7.5	1,415	95
Mar 2017	14,848	14,890	1,535	2,405	33,678	16.8	65.1	387.7	674.0	5.4	1132.1	612	103	6.1	1,205	80
Apr 2017	15,181	11,703	1,765	1,966	30,615	15.3	65.7	362.7	679.7	5.4	1113.5	640	89	7.2	1,017	76
May 2017	15,310	10,292	2,062	1,570	29,234	14.6	64.4	376.4	674.1	5.3	1120.2	637	73	8.2	794	70
Jun 2017	16,486	14,756	2,524	1,749	35,515	17.8	64.6	431.6	688.0	6.0	1190.2	707	95	10.2	810	83

TABLE 8: PERCHLORATE REMOVED FROM THE ENVIRONMENT

Nevada Environmental Response Trust Site

Henderson, Nevada

Month	Perchlorate Mass Removed						Extraction Rate					Average Perchlorate Concentration				
	Interceptor Well Field (lbs)	Athens Road Well Field (lbs)	Seep Well Field (lbs)	AP Area ² (lbs)	Total Pounds Removed	Total Tons Removed	Interceptor Well Field (gpm)	Athens Road Well Field (gpm)	Seep Well Field (gpm)	AP Area ² (gpm)	Total (gpm)	Interceptor Well Field (mg/L)	Athens Road Well Field (mg/L)	Seep Well Field (mg/L)	AP Area ² (mg/L)	Total (mg/L)

Notes:

¹Monthly mass removal information is not available prior to October 2002. The data as shown represent the estimated total mass removed from system start-up through September 2002, presented as total pounds. These numbers were estimated based on total mass removal information available in the former Perchlorate Removed from the Environment Submittal, which was previously submitted to NDEP quarterly through fourth quarter 2014.

²AP Area extraction wells were tested in October 2016 and began operating continuously in November 2016. Mass removal numbers presented were originally reported in the GWETS operation monthly reports submitted to NDEP by Envirogen.

Mass removal information presented in this spreadsheet from months prior to January 2015 was calculated using the historic mass removal calculation methodology. Beginning in January 2015, perchlorate removal was determined using a revised methodology which has been approved by NDEP (Tetra Tech 2015).

Complete perchlorate concentration and/or pumping data sets for reporting years prior to July 2004 are not available. Perchlorate removal values presented in this table for October 2002 - June 2004 were taken from prior reports.

Mass removal information for March, April, and May 2017 may differ slightly from data previously presented in GWETS Operation Monthly Reports due to a laboratory error. The laboratory has corrected the error and issued revised reports, and the data as shown reflect these revised reports.

-- = no data available

gpm = gallons per minute

lbs = pounds

mg/L = milligrams per liter

**TABLE 9: WEEKLY PERCHLORATE IN EFFLUENT DISCHARGE
 JULY 2016 - JUNE 2017
 Nevada Environmental Response Trust Site
 Henderson, Nevada**

Sample Date	Effluent Location	Perchlorate by EPA 314 (mg/L)	Perchlorate SQL (mg/L)
07/02/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
07/09/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
07/16/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
07/23/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
07/30/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
07/31/2016	OUTFALL 001 EFFLUENT	<0.0025 H	0.0025
08/01/2016	OUTFALL 001 EFFLUENT	<0.0025 H	0.0025
08/02/2016	OUTFALL 001 EFFLUENT	<0.0025 H	0.0025
08/03/2016	OUTFALL 001 EFFLUENT	<0.0025 H	0.0025
08/04/2016	OUTFALL 001 EFFLUENT	<0.0025	0.0025
08/05/2016	OUTFALL 001 EFFLUENT	<0.0025	0.0025
08/06/2016	OUTFALL 001 EFFLUENT	<0.0025	0.0025
	OUTFALL 001 EFF-COMP	<0.0025	0.0025
	OUTFALL 001 EFF-COMP	0.039	0.0025
08/13/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
08/20/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
08/27/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
09/03/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
09/10/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
09/17/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
09/24/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
10/01/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
10/08/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
10/15/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
10/22/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
10/29/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
11/05/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
11/12/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
11/19/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
11/26/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
12/03/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
12/10/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
12/17/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
12/24/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
12/31/2016	OUTFALL 001 EFF-COMP	<0.0025	0.0025
01/07/2017	OUTFALL 001 EFF-COMP	<0.0025	0.0025
01/14/2017	OUTFALL 001 EFF-COMP	<0.0025	0.0025

**TABLE 9: WEEKLY PERCHLORATE IN EFFLUENT DISCHARGE
JULY 2016 - JUNE 2017**

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

Sample Date	Effluent Location	Perchlorate by EPA 314 (mg/L)	Perchlorate SQL (mg/L)
01/21/2017	OUTFALL 001 EFF-COMP	<0.0025	0.0025
01/28/2017	OUTFALL 001 EFF-COMP	<0.0025	0.0025
02/04/2017	OUTFALL 001 EFF-COMP	<0.0025	0.0025
02/05/2017	OUTFALL 001 EFFLUENT	<0.0010	0.0010
02/06/2017	OUTFALL 001 EFFLUENT	<0.0010	0.0010
02/07/2017	OUTFALL 001 EFFLUENT	<0.0010	0.0010
02/09/2017	OUTFALL 001 EFFLUENT	<0.0010	0.0010
02/10/2017	OUTFALL 001 EFFLUENT	<0.0010	0.0010
02/11/2017	OUTFALL 001 EFFLUENT	<0.0010	0.0010
	OUTFALL 001 EFF-COMP	0.034	0.0010
	OUTFALL 001 EFF-COMP	<0.0010	0.0010
02/18/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
02/25/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
03/04/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
03/11/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
03/18/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
03/25/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
04/01/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
04/08/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
04/15/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
04/22/2017	OUTFALL 001 EFFLUENT	<0.0010	0.0010
04/29/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
05/06/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
05/13/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
05/20/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
05/27/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
06/03/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
06/10/2017	OUTFALL 001 EFF-COMP	<0.0010 U [^]	0.0010
06/17/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010
06/24/2017	OUTFALL 001 EFF-COMP	<0.0010	0.0010

Notes:

The effluent composite results above are the same as those used in the Discharge Monitoring Reports (DMRs) associated with the Site's National Pollution Discharge Elimination System (NPDES) Permit NV0023060. Prior to late January 2017, effluent associated with the Site's NPDES permit consisted of discharge from the Site's fluidized bed reactor (FBRs). After late January 2017, NPDES effluent included flow from both the FBRs and a newly installed ion exchange (IX) treatment system.

**TABLE 9: WEEKLY PERCHLORATE IN EFFLUENT DISCHARGE
JULY 2016 - JUNE 2017**

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

Sample Date	Effluent Location	Perchlorate by EPA 314 (mg/L)	Perchlorate SQL (mg/L)
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The 0.039 mg/L result on 8/6/2016 is believed to be from cross-contamination during compositing of the 7-day (7/31/2016-8/6/2016) composite sample. Following receipt of the 0.039 mg/L sample result, the individual daily effluent samples collected between 7/31/2016 and 8/6/2016, as well as a new 7-day composite sample, were submitted for perchlorate analysis. All re-analyzed effluent samples were non-detect for perchlorate.

The 0.034 mg/L result on 2/11/2017 is believed to be from cross-contamination during compositing of the 7-day (2/5/2017-2/11/2017) composite sample. Following receipt of the 0.034 mg/L sample result, the individual daily effluent samples collected between 2/5/2017 and 2/11/2017, as well as a new 7-day composite sample, were submitted for perchlorate analysis. All re-analyzed effluent samples were non-detect for perchlorate.

H = Sample was prepared or analyzed beyond the specified holding time

U^ = Instrument related QC is outside acceptance limits.

mg/L = milligrams per liter

SQL = Sample Quantitation Limit

TABLE 10: PERCHLORATE PLUME MASS ESTIMATES
Nevada Environmental Response Trust Site
Henderson, Nevada

	On-Site			Off-Site to AWF			AWF to Wash			Entire Area
	Alluvium	UMCf	Total On-Site	Alluvium	UMCf	Total Off-Site to AWF	Alluvium	UMCf	Total AWF to Wash	
2002	25 ± 7	3,694 ± 1,426	3,719 ± 1,426	362 ± 97	1,610 ± 621	1,972 ± 629	78 ± 21	0	78 ± 21	5,769 ± 1,558
2006	16 ± 4	2,330 ± 899	2,346 ± 899	301 ± 81	1,228 ± 474	1,529 ± 481	8 ± 2	0	8 ± 2	3,883 ± 1,019
2012	12 ± 3	1,758 ± 679	1,771 ± 679	233 ± 63	831 ± 321	1,064 ± 327	11 ± 3	0	11 ± 3	2,845 ± 753
2014	12 ± 3	1,561 ± 602	1,572 ± 602	148 ± 40	571 ± 220	720 ± 224	16 ± 4	0	16 ± 4	2,308 ± 643
2015	20 ± 5	1,798 ± 694	1,818 ± 694	304 ± 82	737 ± 284	1,041 ± 296	28 ± 7	0	28 ± 7	2,887 ± 754
2016	19 ± 5	1,494 ± 577	1,513 ± 577	282 ± 76	682 ± 263	965 ± 274	26 ± 7	0	26 ± 7	2,504 ± 638
2017	16 ± 4	1,572 ± 607	1,588 ± 607	277 ± 75	677 ± 261	954 ± 272	31 ± 8	0	31 ± 8	2,573 ± 665

Notes:

Mass values are presented in tons.

Mass estimations are presented with a 95% margin of error, calculated from the standard deviation of the interpolated concentrations and aquifer thicknesses.

AWF = Athens Road Well Field

UMCf = Upper Muddy Creek Formation

TABLE 11: CHROMIUM PLUME MASS ESTIMATES

Nevada Environmental Response Trust Site

Henderson, Nevada

	On-Site			Off-Site to AWF			AWF to Wash			Entire Area
	Alluvium	UMCf	Total On-Site	Alluvium	UMCf	Total Off-Site to AWF	Alluvium	UMCf	Total AWF to Wash	
2006	0.27 ± 0.07	32.49 ± 12.54	32.76 ± 12.54	0.91 ± 0.25	4.69 ± 1.81	5.60 ± 1.83	0.09 ± 0.02	0.00	0.09 ± 0.02	38.45 ± 12.67
2012	0.16 ± 0.04	20.62 ± 7.96	20.78 ± 7.96	0.70 ± 0.19	3.04 ± 1.17	3.75 ± 1.19	0.03 ± 0.01	0.00	0.03 ± 0.01	24.55 ± 8.04
2014	0.20 ± 0.05	22.53 ± 8.69	22.72 ± 8.69	0.56 ± 0.15	2.67 ± 1.03	3.24 ± 1.04	0.03 ± 0.01	0.00	0.03 ± 0.01	25.99 ± 8.75
2015	0.26 ± 0.07	16.51 ± 6.37	16.78 ± 6.37	0.88 ± 0.24	2.63 ± 1.01	3.51 ± 1.04	0.06 ± 0.02	0.00	0.06 ± 0.02	20.34 ± 6.46
2016	0.27 ± 0.07	17.62 ± 6.80	17.89 ± 6.80	0.85 ± 0.23	2.63 ± 1.01	3.47 ± 1.04	0.05 ± 0.01	0.00	0.05 ± 0.01	21.41 ± 6.88
2017	0.25 ± 0.07	16.78 ± 6.47	17.03 ± 6.47	0.68 ± 0.18	2.22 ± 0.86	2.90 ± 0.88	0.05 ± 0.01	0.00	0.05 ± 0.01	19.98 ± 6.53

Notes:

Mass values are presented in tons.

Mass estimations are presented with a 95% margin of error, calculated from the standard deviation of the interpolated concentrations and aquifer thicknesses.

AWF = Athens Road Well Field

UMCf = Upper Muddy Creek Formation

TABLE 12: AVERAGE PERCHLORATE MASS LOADING IN LAS VEGAS WASH

Nevada Environmental Response Trust Site

Henderson, Nevada

Reporting Year	Average Perchlorate Mass Loading (lbs/d)			Percentage Loading at Northshore Road from		
	LV Wasteway	Pabco Road	Northshore Road	Upstream of Wasteway	Las Vegas Wasteway to Pabco Road	Pabco Road to Northshore Road
2007/2008 ¹	1.96	23.34	68.73	3%	31%	66%
2008/2009 ²	1.69	16.71	70.60	2%	21%	76%
2009/2010	1.60	30.21	62.05	3%	46%	51%
2010/2011	1.49	17.30	71.05	2%	22%	76%
2011/2012	1.26	9.69	76.35	2%	11%	87%
2012/2013	1.44	27.94	68.57	2%	39%	59%
2013/2014	1.42	24.18	67.26	2%	34%	64%
2014/2015	1.38	20.08	64.56	2%	29%	69%
2015/2016 ³	1.45	20.79	59.37	2%	33%	65%
2016/2017 ^{3,4}	1.02	19.65	58.70	2%	32%	67%
Average	1.47	20.99	66.73	2%	29%	69%

Notes:

Reporting year is July through June.

¹ 2007 third quarter mass loading estimate missing for Las Vegas Wasteway and Pabco Road.² 2009 first quarter mass loading estimate missing for Northshore Road.³ January 2016 through February 2017 discharge data were not available for Las Vegas Wasteway. 2015 average monthly discharge rates were used instead to estimate loading during this timeframe.⁴ Envirogen began collecting monthly perchlorate samples at Pabco Road in November 2016, and Tetra Tech began collecting monthly perchlorate samples at Pabco Road and Northshore Road in June 2017. These samples are included in the loading calculation for 2016/2017.

lbs/d = pounds per day