NM2 - 4

MONITORING REPORTS YEAR(S):

2008

BMG

BENSON-MONTIN-GREER DRILLING CORP

4900 College Boulevard Farmington, NM 87402 Office: 505.325.8874 Fax:.505 327.9207

RECEIVED

2009 JAN 30 PM 1 01

January 28, 2008

Mr. Brad Jones
NMOCD Environment Bureau
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: 2008 ANNUAL REPORT CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY, PERMIT No. NM-02-0004
Section 20, Township 25 North, Range 1 East, Rio Arriba County

Dear Mr. Jones:

Please find enclosed the referenced annual report for 2008. As you may recall, a leak in the evaporation pond's primary liner was discovered in April of 2008. All water was removed from the pond and the liner replaced. Monitoring wells were installed and those testing results are included with this report. The pond was returned to use in November of 2008.

Sampling was also done on December 30, 2008 and copies of those results will be forwarded as soon as AES provides them.

If you have any questions please contact me at 505-325-8874 or by email at: mikedimond@bmgdrilling.com.

Sincerely,

Mike Dimond
President

Cc: NMOCD, Aztec; File

AES Animas Environmental Services, LLC

624 E. Comanche . Farmington, NM 87401 . Tel 505-564-2281 . Fax 505-324-2022 . www.animasenvironmental.com

December 10, 2008

Mike Dimond
Benson-Montin-Greer Drilling Corporation
4900 College Blvd
Farmington, New Mexico 87402

RE: Results of October 2008 Evaporation Pond Groundwater Sampling and Treatment Zone Soil Sampling at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On October 9, 2008, Animas Environmental Services, LLC (AES), completed quarterly groundwater and soil treatment zone monitoring and sampling at the Benson-Montin-Greer Drilling Corporation (BMG) Centralized Surface Waste Management Facility, located near the Canada Ojitos Unit (COU) Gas Plant in Rio Arriba County, New Mexico.

1.0 BMG Evaporation Pond Groundwater Monitoring and Sampling

1.1 Site Information

On April 14, 2008, AES personnel confirmed the presence of liquid within the interstitial well (IW) at the BMG Evaporation Pond. Site investigation activities conducted in May 2008 confirmed that while the primary liner had failed, the integrity of the secondary liner was not compromised, and no release to the environment had occurred. As a precautionary measure, New Mexico Oil Conservation Division (NMOCD) requested that four groundwater monitoring wells (MW-1 through MW-4) be installed around the evaporation pond and monitored quarterly in conjunction with on-going landfarm sampling. BMG installed a replacement 69 mil HDPE primary liner over the existing secondary liner on about September 15, 2008. The BMG Evaporation Pond is located at the BMG Centralized Surface Waste Management Facility to the northeast of the shop and office area. A site map is included as Figure 1.

1.2 Groundwater Monitoring Well Sampling

AES personnel completed groundwater monitoring and sampling of the evaporation pond monitoring wells on October 9, 2008. Groundwater samples were collected from MW-1 through MW-4 and the interstitial well. All samples were analyzed at Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico.

Groundwater samples were collected with disposable bailers and transferred into appropriate sample containers, labeled accordingly, and documented on Water Sample Collection Forms. The Chain of Custody Record was then completed, and samples

were transported to the analyzing laboratory in chilled and insulated coolers at less than 6°C.

All groundwater analytical samples were submitted to Hall for analysis of the following parameters:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) – EPA Method 8260
- Total Petroleum Hydrocarbons (TPH) (C_6-C_{36}) – EPA Method 8015B
- Chlorides – EPA Method 300.0
- Total Dissolved Solids (TDS) – SM 2540C

1.2.1 Groundwater Measurement Data

Prior to sample collection, AES measured depth to water and recorded temperature, pH, conductivity, and oxidation-reduction potential (ORP) measurements for each well. Note that dissolved oxygen concentrations were recorded, but the sensor was malfunctioning and providing erroneous readings. All data was recorded onto Water Sample Collection Forms. Groundwater temperature ranged from 11.41°C in MW-2 to 19.01°C in IW. Conductivity ranged from 0.833 mS in MW-2 to 183.7 mS in IW, and ORP was measured between -35.7 mV in IW and 55.2 mV in MW-3. pH ranged from 6.11 in IW to 6.74 in MW-2. A summary of water quality data is included in Table 1, and Water Sample Collection Forms are presented in Appendix A.

1.2.2 Groundwater Analytical Results

Analytical results from groundwater samples collected during the October 2008 sampling event show that none of the wells sampled exceeded the New Mexico Water Quality Control Commission (WQCC) standards for BTEX constituents. No WQCC standard currently exists for TPH. Each of the wells had TPH concentrations below laboratory detection limits. Chloride and TDS concentrations were above laboratory detection limits in each of the samples. The results have been summarized as follows:

- Chloride: IW (100,000 mg/L), MW-1 (42 mg/L), MW-2 (35 mg/L), MW-3 (36 mg/L), and MW-4 (34 mg/L).
- TDS: IW (180,000 mg/L), MW-1 (660 mg/L), MW-2 (550 mg/L), MW-3 (800 mg/L), and MW-4 (760 mg/L).

The analytical results for the groundwater samples collected during the October 2008 sampling event have been tabulated and are presented in Table 2. Groundwater analytical laboratory reports are presented in Appendix B.

2.0 Landfarm Soil Sampling

As required by the NMOCD permit for this facility, one random soil sample was collected from each of the active treatment cells. Samples were collected from a depth of approximately two feet from the three treatment cells sampled. A stainless steel hand auger, which was decontaminated between each sampling point to prevent cross-contamination, was used to collect the samples. Once collected, each sample container was labeled with the date, sample location, sample type, and sampler's initials. The

containers were placed in a chilled, insulated cooler at less than 6°C until delivered to the analytical laboratory, Hall in Albuquerque, New Mexico. A Chain of Custody was completed at the time the samples were collected.

2.1 Laboratory Analytical Methods

Soil samples collected were analyzed for the following:

- BTEX per EPA Method 8260B;
- TPH per EPA Method 8015B;
- Chlorides per EPA Method 300.0;

Samples collected for BTEX analysis were field-preserved with methanol at the time of collection with materials and equipment supplied by the analytical laboratory.

2.2 Treatment Zone Analytical Results

Based on AES's observations of the treatment cells at the time of sample collection, treatment cells #1, #2, and #3 are in use and are being tilled on a frequent basis. Cell #4 is not in use. Results are summarized as follows:

- Chloride concentrations were below the applicable standard of 500 mg/kg in each of the cells;
- BTEX concentrations were below applicable laboratory detection limits in each cell;
- TPH concentrations were below detection limits except in Cell #1 which had a concentration of 55 mg/kg for TPH-MRO.

The locations of all samples, as well as analytical results, are presented on Figure 2. Laboratory analytical reports can be found in Appendix B and are summarized in Tables 3 and 4.

3.0 Conclusion and Recommendations

Based upon the results of the October 2008 sampling event associated with the BMG Centralized Surface Waste Management Facility, groundwater analytical results from monitoring wells located around the Evaporation Pond are below laboratory detection limits or WQCC standards for BTEX and TPH.

Soil analytical results from treatment zone monitoring within the landfarm were below laboratory detection limits for BTEX constituents and were below applicable standards for chlorides.

AES has scheduled quarterly treatment zone monitoring and sampling of evaporation pond monitoring wells to occur in December 2008. If you have any questions regarding the sampling procedures or results, please do not hesitate to contact Elizabeth McNally or Ross Kennemer at (505) 564-2281.

Sincerely,

Lany Cupps
Project Manager

Attachments: Table 1. Summary of Water Quality Data
Table 2. Groundwater Analytical Results
Table 3. Soil BTEX and TPH Concentrations
Table 4. Soil Chloride Concentrations
Figure 1. Location of BMG Evaporation Pond and Monitoring Wells
Figure 2. Treatment Zone Monitoring Locations
Appendix A. Water Sample Collection Forms
Appendix B. Laboratory Analytical Reports

Files/2008/BMG/Landfarm Sampling/gcbmg 120208

TABLE 1
Water Quality and Well Data
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Well ID	Date Measured	Top of Casing Elevation (ft amsl)	Depth to Water (ft)	Temp. (°C)	Specific Conduct. (mS)	Dissolved Oxygen (mg/L)	pH	ORP (mV)
Evaporation Pond Water	10-May-08	TBS	NM	12.66	116	NM	6.79	-3.6
Interstitial Well	10-May-08	TBS	9.41	11.82	213	NM	6.60	106.4
Interstitial Well	21-Jul-08	TBS	9.61	18.68	362.7	0.20	6.51	-26.1
Interstitial Well	9-Oct-08	TBS	9.86	19.01	183.7	0.98	6.11	-35.7
MW-1	10-May-08	TBS	38.03	12.73	2.59	NM	8.24	76.8
MW-1	21-Jul-08	TBS	38.11	12.18	2.236	4.85	6.57	173.2
MW-1	9-Oct-08	TBS	38.30	12.33	0.978	NM	6.65	45.2
MW-2	10-May-08	TBS	39.16	11.64	0.99	NM	7.78	97.7
MW-2	21-Jul-08	TBS	39.21	11.72	1.632	3.23	6.69	158.4
MW-2	9-Oct-08	TBS	39.37	11.41	0.833	NM	6.74	42.3
MW-3	10-May-08	TBS	38.38	12.80	0.96	NM	7.73	103.2
MW-3	21-Jul-08	TBS	38.49	12.44	1.567	3.69	6.82	184.6
MW-3	9-Oct-08	TBS	38.61	12.60	0.837	NM	6.60	55.2
MW-4	10-May-08	TBS	38.80	12.69	1.09	NM	7.92	78.5
MW-4	21-Jul-08	TBS	38.91	12.38	1.975	NM	7.26	163.3
MW-4	9-Oct-08	TBS	39.10	12.25	0.904	NM	6.58	53.8

NM - Not Measured

TBS - To Be Surveyed

TABLE 2
Summary of Groundwater Analytical Results
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Sample I.D.	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	GRO (mg/L)	DRO (mg/L)	MRO (mg/L)	Chlorides (mg/L)	TDS (mg/L)
Analytical Method		8021B/8260B				8015B	8015B	8015B	300.0	SM 2540C
New Mexico WQCC		*10*	*750*	*750*	*620*	*NE*	*NE*	*NE*	*NE*	*NE*
Evaporation Pond Water	10-May-08	<10	37	<10	29	2.5	50	12	50,000	89,000
Interstitial Well	10-May-08	<5.0	50	6.8	25	0.56	58	8.0	140,000	220,000
Interstitial Well	21-Jul-08	<5.0	12	<5.0	<10	1.0	8.8	<15	120,000	210,000
Interstitial Well	09-Oct-08	<10	<10	<10	<20	<0.50	<10	<50	100,000	180,000
MW-1	10-May-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	72	740
MW-1	21-Jul-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	64	830
MW-1	09-Oct-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	42	660
MW-2	10-May-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	49	600
MW-2	21-Jul-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	40	640
MW-2	09-Oct-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	35	550
MW-3	10-May-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	44	680
MW-3	21-Jul-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	38	610
MW-3	09-Oct-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	36	800
MW-4	10-May-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	52	720
MW-4	21-Jul-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	57	770
MW-4	09-Oct-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	34	760

NOTE: NE = Not Established

TABLE 3
Soil BTEX and TPH Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm ID	Sample ID	Sample Location	Sample Date	Sample Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylene (mg/kg)	TPH GRO (C6-C10) (mg/kg)	TPH DRO (C10-C22) (mg/kg)	TPH MRO (C22-C32) (mg/kg)
		Laboratory Analytyical Method			8021/8260B				8015M/8015B		
Cell #1	#1	N 36° 23.371' W 106° 52.031'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	
Cell #1	#1	N 36° 23.371' W 106° 52.031'	7-Mar-06	2	<0.025	<0.025	<0.025	<0.10	<10	18	
Cell #1	#1	N 36° 23.355' W 106° 51.998'	16-Feb-07	2.5	<0.025	<0.025	<0.025	<0.10	<10	<10	
Cell #1	#1	N 36° 23.372' W 106° 52.046'	22-May-07	3	<0.025	<0.025	<0.025	<0.10	<10	752	
Cell #1	#1	N 36° 23.365' W 106° 52.030'	16-Aug-07	2.5	<0.025	0.031	<0.025	<0.10	<10	660	
Cell #1	#1	N 36° 23.367' W 106° 52.021'	6-Nov-07	2.5	<0.050	<0.050	<0.050	<0.10	<5.0	<10	
Cell #1	#1	N 36° 23.358' W 106° 52.004'	14-Apr-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	4,900	2,200
Cell #1	#1	N 36° 23.375' W 106° 52.056'	21-Jul-08	2	<0.050	<0.050	<0.050	<0.10	5.4	2,000	1,700
Cell #1	#1	N 36° 23.327' W 106° 51.939'	9-Oct-08	2	<0.050*	<0.050*	<0.050*	<0.10*	<5.0	<10	55
Cell #2	#1	N 36° 23.386' W 106° 52.932'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	
Cell #2	#1	N 36° 23.386' W 106° 52.932'	7-Mar-06	2	<0.025	<0.025	<0.025	<0.10	<10	52	
Cell #2	#1	N 36° 23.393' W 106° 51.996'	16-Feb-07	2.5	<0.025	<0.025	0.03	<0.10	<10	<10	
Cell #2	#1	N 36° 23.416' W 106° 52.003'	22-May-07	3	<0.025	<0.025	<0.025	<0.10	<10	<20	
Cell #2	#1	N 36° 23.397' W 106° 51.996'	16-Aug-07	2.5	<0.025	<0.025	0.028	<0.10	<10	<10	

TABLE 3
Soil BTEX and TPH Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm ID	Sample ID	Sample Location	Sample Date	Sample Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylene (mg/kg)	TPH GRO (C6-C10) (mg/kg)	TPH DRO (C10-C22) (mg/kg)	TPH MRO (C22-C32) (mg/kg)
		Laboratory Analytyical Method			8021/8260B				8015M/8015B		
Cell #2	#1	N 36° 23.404' W 106° 51.942'	6-Nov-07	2.5	<0.050	<0.050	<0.050	<0.10	<5.0	<10	
Cell #2	#1	N 36° 23.391' W 106° 51.984'	14-Apr-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	1,000	540
Cell #2	#1	N 36° 23.408' W 106° 52.011'	21-Jul-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	3,000	1,700
Cell #2	#1	N 36° 23.403' W 106° 51.945'	9-Oct-08	2	<0.050*	<0.050*	<0.050*	<0.10*	<5.0	<10	<50
Cell #3	#1	N 36° 23.351' W 106° 51.882'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	
Cell #3	#1	N 36° 23.351' W 106° 51.882'	7-Mar-06	2	<0.025	<0.025	<0.025	<0.10	<10	NA	
Cell #3	#1	N 36° 23.386' W 106° 51.974'	16-Feb-07	2.5	<0.025	0.034	0.041	<0.10	<10	12	
Cell #3	#1	N 36° 23.359' W 106° 51.865'	22-May-07	3	<0.025	<0.025	<0.025	<0.10	<10	<20	
Cell #3	#1	N 36° 23.340' W 106° 51.574'	16-Aug-07	2.5	<0.025	0.078	0.049	0.18	<10	<10	
Cell #3	#1	N 36° 23.355' W 106° 51.906'	6-Nov-07	2	<0.050	<0.050	<0.050	<0.10	<5.0	<10	
Cell #3	#1	N 36° 23.365' W 106° 51.854'	14-Apr-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	1,200	680
Cell #3	#1	N 36° 23.380' W 106° 51.956'	21-Jul-08	2	<0.050	<0.050	<0.050	<1.0	88	7,100	2,400
Cell #3	#1	N 36° 23.365' W 106° 51.843'	9-Oct-08	2	<0.050*	<0.050*	<0.050*	<0.10*	<5.0	<10	<50
Cell #4	#1	N 36° 23.363' W 106° 51.784'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	

TABLE 3
Soil BTEX and TPH Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm ID	Sample ID	Sample Location	Sample Date	Sample Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylene (mg/kg)	TPH GRO (C6-C10) (mg/kg)	TPH DRO (C10-C22) (mg/kg)	TPH MRO (C22-C32) (mg/kg)
		Laboratory Analytyical Method			8021/8260B				8015M/8015B		

* = Samples were analyzed by per EPA Method 8260B

Note** 3/13/06 TPH for Cell #3 was analyzed past the 14 day hold time. Insufficient sample available for extraction with 8015B QC. Blank and sample from BTEX extraction used.

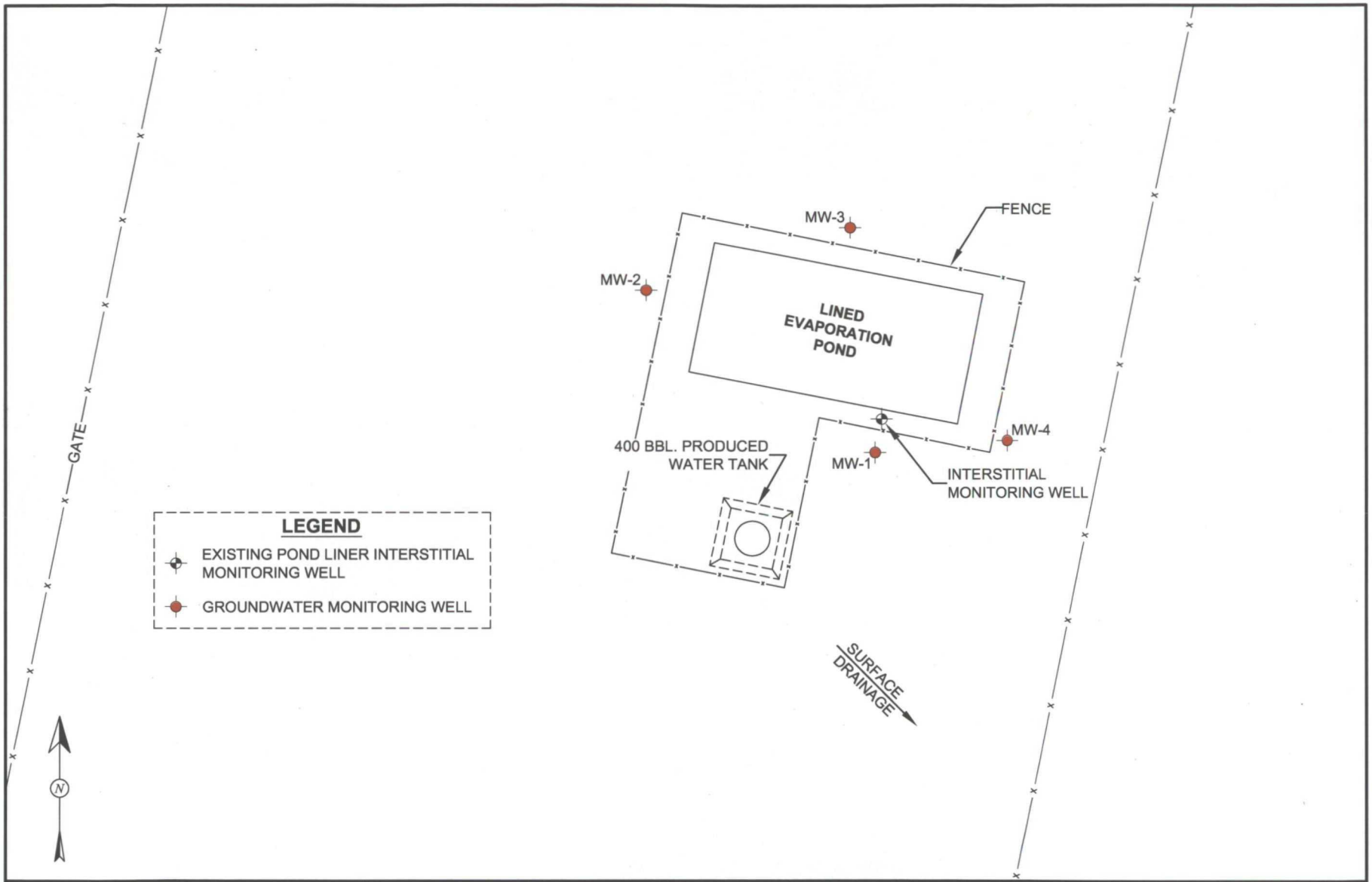
Note** 11/28/07 EPA method 8021B was added to sample Cell #2 after the GRO analysis was completed. The BTEX Analysis for this sample does not have a closing QC standard.

Note** Prior to the April 14, 2008, sampling event TPH-DRO was reported as C10-C36.

TABLE 4
Soil Chloride Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm ID	Sample ID	Sample Date	Sample Depth (ft)	Chloride (mg/kg)
	Laboratory Analytical Method			300.0
	NMOCD Soil Standard			500
Cell #1	#1	7-Jun-06	2.5	33.7*
Cell #1	#1	22-May-07	3	23.5
Cell #1	#1	16-Aug-07	2.5	47.7
Cell #1	#1	6-Nov-07	2.5	45
Cell #1	#1	14-Apr-08	2	110
Cell #1	#1	21-Jul-08	2	8.0
Cell #1	#1	9-Oct-08	2	14.0
Cell #2	#1	7-Jun-06	2.5	20.4*
Cell #2	#1	22-May-07	3	17.4
Cell #2	#1	16-Aug-07	2.5	5.34
Cell #2	#1	6-Nov-07	2.5	3.3
Cell #2	#1	14-Apr-08	2	2.2
Cell #2	#1	21-Jul-08	2	14
Cell #2	#1	9-Oct-08	2	1.1
Cell #3	#1	7-Jun-06	2.5	26.3*
Cell #3	#1	22-May-07	3	57.6
Cell #3	#1	16-Aug-07	2.5	2.86
Cell #3	#1	6-Nov-07	2	7.8
Cell #3	#1	14-Apr-08	2	26
Cell #3	#1	21-Jul-08	2	5.5
Cell #3	#1	9-Oct-08	2	1.4

Note: * = Concentrations reported are in mg/L
NA = Not Analyzed



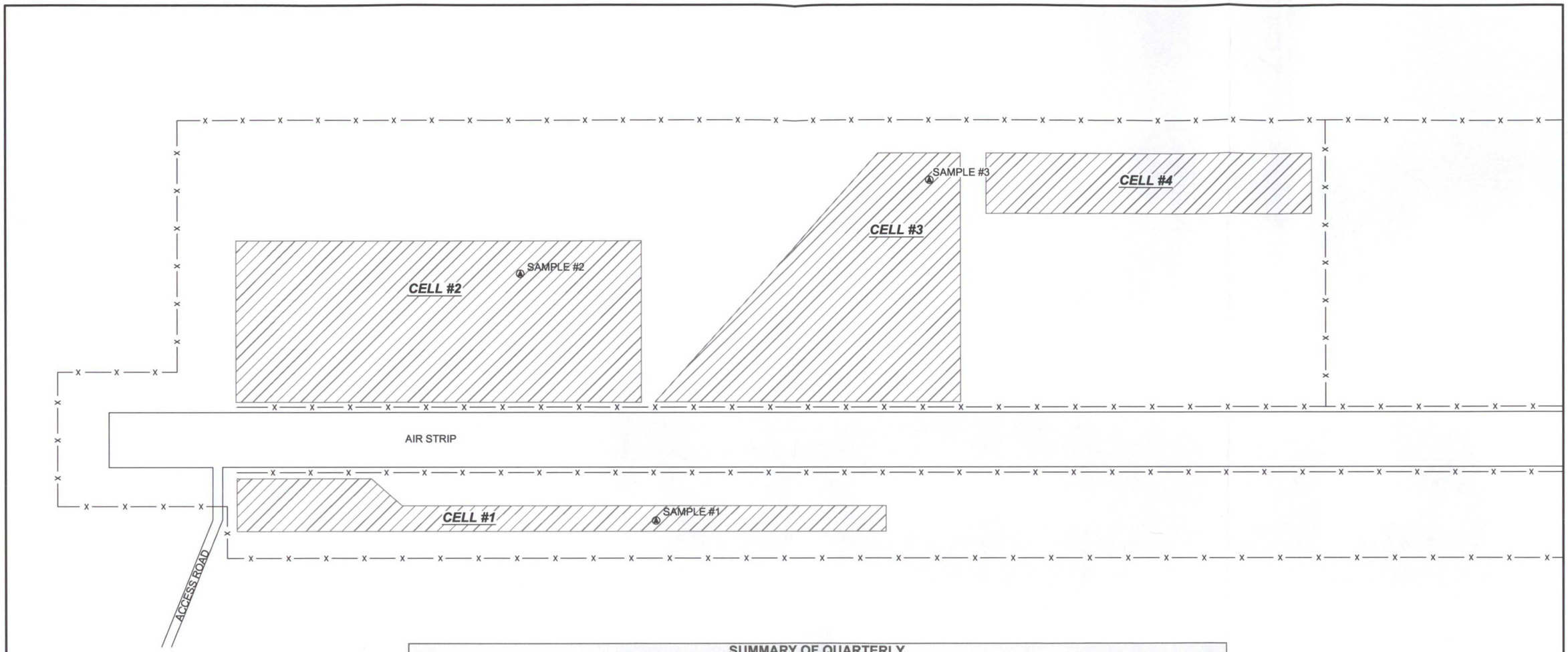
SCALE
50 30 0 50
10
(1 INCH = 50 FEET)

AES
Animas Environmental Services, LLC

DRAWN BY: R. Kennemer	DATE DRAWN: April 28, 2008
REVISIONS BY: N. Willis	DATE REVISED: December 10, 2008
CHECKED BY: R. Kennemer	DATE CHECKED: December 10, 2008
APPROVED BY: E. McNally	DATE APPROVED: December 10, 2008

FIGURE 1
EVAPORATION POND
AND MONITOR WELL LOCATIONS
BENSON-MONTIN-GREER
CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY
FOREST ROAD 313
NW ¼, NW ¼, SEC. 20, T25N, R1E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

S:\ANIMAS 2000\2008 PROJECTS\BMG\LLAVES EVAPORATION POND\MAPS AND DRAWINGS\FIGURE 3 EVAPORATION POND



SUMMARY OF QUARTERLY TREATMENT ZONE MONITORING JULY 2008

LANDFARM I.D.	SAMPLE I.D.	SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (ft.)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	XYLENE (mg/kg)	TPH (GRO, DRO, AND MRO)			Chloride (mgkg)
									C6-C10 (mg/kg)	C10-C22 (mg/kg)	C22-C32 (mg/kg)	
CELL #1	#1	N 36°23.327' W 106°51.939'	10/9/08	2	<0.050	<0.050	<0.050	<0.10	<5.0	<10	**55**	**14**
CELL #2	#2	N 36°23.403' W 106°51.945'	10/9/08	2	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50	**1.1**
CELL #3	#3	N 36°23.365' W 106°51.843'	10/9/08	2	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50	**1.4**
CELL #4		NOT IN USE, NO SAMPLE	10/9/08									

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

N

AES
Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
N. Willis	May 29, 2008
REVISIONS BY:	**DATE REVISED:**
N. Willis	December 10, 2008
CHECKED BY:	**DATE CHECKED:**
E. McNally	December 10, 2008
APPROVED BY:	**DATE APPROVED:**
E. McNally	December 10, 2008

FIGURE 2
BENSON-MONTIN-GREER CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY MONITORING LOCATIONS
OCTOBER 2008
NW1/4, NW1/4, SEC. 20, T25N, R1E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

S:\ANIMAS 2000\2008 PROJECTS\BMG\LANDFARM\DRAWINGS\100908 SAMPLING

Water Sampling Record

Monitor Well No: **MW-1**

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project:	BMG Land Farm Sampling	**Project No.:**	
Site:	Evaporation Pond	**Date:**	10-9-08
Location:	Llaves, NM	**Time:**	1430
Sampler:	~~NW~~ N. Willis	**Weather:**	Clear
Sampling Method:	Purge	**Air Temperature:**	72°F
Depth of Well (ft):	45.55	**Well Diam. (in.):**	2
Depth to Water (ft):	38.30 @ 1436	**Site Elevation (ft):**	

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1438	13.05	1.003	13.62	6.71	35.5	0.25	
1441	12.49	0.989	6.59	6.66	40.0	1	
1445	12.33	0.978	6.98	6.65	45.2	1	
1450	—					—	Samples Collected

Analytical Parameters Sampled For (include Method #):

BTEX/GRO/DRO by 8021/8015 (4) 40mL VOAs with HCl and (1) 40mL VOA unpreserved

Chlorides and TDS (1) 500mL poly unpreserved

Disposal of Purged Water:	On asphalt or concrete pavement
Chain of Custody Record Complete? (Y/N)	Yes
Analytical Laboratory:	Hall Environmental Analysis Lab, Albuquerque, NM
Equipment Used During Sampling:	Keck Water Level; YSI Water Qualtity Meter;

Other Notes/Comments

Water Sampling Record

Monitor Well No: **MW-2**

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project:	BMG Land Farm Sampling	**Project No.:**	
Site:	Evaporation Pond	**Date:**	10-9-08
Location:	Llaves, NM	**Time:**	1322
Sampler:	~~MW~~ J. Willis	**Weather:**	Clear
Sampling Method:	Purge	**Air Temperature:**	72°F
Depth of Well (ft):	45.54	**Well Diam. (in.):**	2
Depth to Water (ft):	39.37 @ 1326	**Site Elevation (ft):**	

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1328	12.68	0.864	5.15	6.88	23.1	0.25	
1336	11.53	0.839	5.75	6.81	33.8	1	
1340	11.41	0.833	7.87	6.74	42.3	1	
1346							Samples Collected

Analytical Parameters Sampled For (include Method #):

BTEX/GRO/DRO by 8021/8015 (4) 40mL VOAs with HCl and (1) 40mL VOA unpreserved

Chlorides and TDS (1) 500mL poly unpreserved

Disposal of Purged Water:	On asphalt or concrete pavement
Chain of Custody Record Complete? (Y/N)	Yes
Analytical Laboratory:	Hall Environmental Analysis Lab, Albuquerque, NM
Equipment Used During Sampling:	Keck Water Level; YSI Water Qualtity Meter;

Other Notes/Comments

Water Sampling Record

Monitor Well No: **MW-3**

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project:	BMG Land Farm Sampling	**Project No.:**	
Site:	Evaporation Pond	**Date:**	10-9-08
Location:	Llaves, NM	**Time:**	1230
Sampler:	N. Willis	**Weather:**	Clear
Sampling Method:	Purge	**Air Temperature:**	72°F
Depth of Well (ft):	45.59	**Well Diam. (in.):**	2
Depth to Water (ft):	38.61 @ 1239	**Site Elevation (ft):**	

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1244	14.04	0.893	7.81	6.75	20.7	0.25	
1247	13.02	0.849	13.56	6.60	51.5	1	
1252	12.34	0.846	13.14	6.58	51.0	1	
1257	12.60	0.837	10.77	6.60	55.2	0.75	
1302							Samples collected

Analytical Parameters Sampled For (include Method #):

BTEX/GRO/DRO by 8021/8015 (4) 40mL VOAs with HCl and (1) 40mL VOA unpreserved

Chlorides and TDS (1) 500mL poly unpreserved

Disposal of Purged Water:	On asphalt or concrete pavement
Chain of Custody Record Complete? (Y/N)	Yes
Analytical Laboratory:	Hall Environmental Analysis Lab, Albuquerque, NM
Equipment Used During Sampling:	Keck Water Level; YSI Water Qualtity Meter; and New Disposable Bailer

Other Notes/Comments

Water Sampling Record

Monitor Well No: **MW-4**

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project:	BMG Land Farm Sampling	**Project No.:**	
Site:	Evaporation Pond	**Date:**	10-9-08
Location:	Llaves, NM	**Time:**	1356
Sampler:	N. Wills	**Weather:**	Clear
Sampling Method:	Purge	**Air Temperature:**	72°F
Depth of Well (ft):	45.6	**Well Diam. (in.):**	2
Depth to Water (ft):	39.10 @ 1404	**Site Elevation (ft):**	

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1405	12.53	0.907	8.58	6.70	38.9	0.25	
1410	12.24	0.902	7.72	6.63	46.9	1	
1414	12.25	0.904	8.81	6.58	53.8	1	
1420							Samples Collected

Analytical Parameters Sampled For (include Method #):

BTEX/GRO/DRO by 8021/8015 (4) 40mL VOAs with HCl and (1) 40mL VOA unpreserved

Chlorides and TDS (1) 500mL poly unpreserved

Disposal of Purged Water:	On asphalt or concrete pavement
Chain of Custody Record Complete? (Y/N)	Yes
Analytical Laboratory:	Hall Environmental Analysis Lab, Albuquerque, NM
Equipment Used During Sampling:	Keck Water Level; YSI Water Qualtity Meter; and New Disposable Bailer

Other Notes/Comments

Water Sampling Record

Monitor Well No: **Interstitial Well**

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project:	BMG Land Farm Sampling	**Project No.:**	
Site:	Evaporation Pond	**Date:**	10-9-08
Location:	Llaves, NM	**Time:**	1501
Sampler:	N. Willis	**Weather:**	Clear
Sampling Method:	Purge	**Air Temperature:**	68°F
Depth of Well (ft):	12.10	**Well Diam. (in.):**	2
Depth to Water (ft):	9.86 @ 1504	**Site Elevation (ft):**	

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1508	19.01	183.7	0.98	6.11	-35.7	0.25	
1515							Samples collected

Analytical Parameters Sampled For (include Method #):

BTEX/GRO/DRO by 8021/8015 (4) 40mL VOAs with HCl and (1) 40mL VOA unpreserved

Chlorides and TDS (1) 500mL poly unpreserved

Disposal of Purged Water:	On asphalt or concrete pavement
Chain of Custody Record Complete? (Y/N)	Yes
Analytical Laboratory:	Hall Environmental Analysis Lab, Albuquerque, NM
Equipment Used During Sampling:	Keck Water Level; YSI Water Qualtity Meter;

Other Notes/Comments

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: 505-325-2022

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: BMG Landfarm

Project #: 040605

Project Manager: Ross Kennemer

Sampler: Nathan Willis

On Ice: ☒ Yes ☐ No

Sample Temperature: #24

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8021/8015 BTEX/GRO/DRO	300.1 Chlorides	2540c TDS		Air Bubbles (Y or N)
10-9-08	0823	H_2O	Trip Blank	2-40mL glass	HCl		X															
	1450		MW-1	1-40mL glass 4-40mL glass 1-500mL plastic	None HCl None													X	X	X		
	1345		MW-2															X	X	X		
	1307		MW-3															X	X	X		
	1420		MW-4															X	X	X		
10-9-08	1515	H_2O	Interstitial Well	4-40ml glass 1-40ml glass 1-500ml plastic	HCl None None													X	X	X		
	1144	Soil	Cell #1	MeOH kit	MeOH													X	X			
	1124		Cell #2															X	X			
	1058		Cell #3															X	X			

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/13/08	0800	Nathan Willis	Sandra R. Cuppes	10/13/08	0800
10/13/08	0900	L. Cuppes			

Remarks: NMWQCC standards

Shipped via Greyhound

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, November 03, 2008

Ross Kennemer
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 486-1776
FAX (505) 324-2022

RE: BMG Landfarm

Order No.: 0810283

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory, Inc. received 9 sample(s) on 10/13/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345 3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. **Date:** *03-Nov-08*

CLIENT: Animas Environmental Services
Project: BMG Landfarm
Lab Order: 0810283

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_W, SAMPLE 0810283-06A: necessary dilution for foamy sample Analytical Comments for METHOD 8021BTEX_W, SAMPLE 0810283-06A: necessary dilution for foamy sample

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	FIELD BLANK
Lab Order:	0810283	**Collection Date:**	10/9/2008 8:23:00 AM
Project:	BMG Landfarm	**Date Received:**	10/13/2008
Lab ID:	0810283-01	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/20/2008 12:51:52 PM
Toluene	ND	1.0		µg/L	1	10/20/2008 12:51:52 PM
Ethylbenzene	ND	1.0		µg/L	1	10/20/2008 12:51:52 PM
Xylenes, Total	ND	2.0		µg/L	1	10/20/2008 12:51:52 PM
Surr: 1,2-Dichloroethane-d4	102	59.3-133		%REC	1	10/20/2008 12:51:52 PM
Surr: 4-Bromofluorobenzene	111	80.4-119		%REC	1	10/20/2008 12:51:52 PM
Surr: Dibromofluoromethane	101	59.5-134		%REC	1	10/20/2008 12:51:52 PM
Surr: Toluene-d8	98.2	53.5-136		%REC	1	10/20/2008 12:51:52 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	0810283	**Collection Date:**	10/9/2008 2:50:00 PM
Project:	BMG Landfarm	**Date Received:**	10/13/2008
Lab ID:	0810283-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/16/2008
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/16/2008
Surr: DNOP	123	58-140		%REC	1	10/16/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/18/2008 5:23:22 AM
Surr: BFB	84.3	59.9-122		%REC	1	10/18/2008 5:23:22 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	42	1.0		mg/L	10	10/28/2008 4:38:14 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/20/2008 1:21:28 PM
Toluene	ND	1.0		µg/L	1	10/20/2008 1:21:28 PM
Ethylbenzene	ND	1.0		µg/L	1	10/20/2008 1:21:28 PM
Xylenes, Total	ND	2.0		µg/L	1	10/20/2008 1:21:28 PM
Surr: 1,2-Dichloroethane-d4	105	59.3-133		%REC	1	10/20/2008 1:21:28 PM
Surr: 4-Bromofluorobenzene	111	80.4-119		%REC	1	10/20/2008 1:21:28 PM
Surr: Dibromofluoromethane	105	59.5-134		%REC	1	10/20/2008 1:21:28 PM
Surr: Toluene-d8	94.0	53.5-136		%REC	1	10/20/2008 1:21:28 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	660	100		mg/L	5	10/14/2008

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	0810283	**Collection Date:**	10/9/2008 1:45:00 PM
Project:	BMG Landfarm	**Date Received:**	10/13/2008
Lab ID:	0810283-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/16/2008
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/16/2008
Surr: DNOP	122	58-140		%REC	1	10/16/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/18/2008 5:53:43 AM
Surr: BFB	85.6	59.9-122		%REC	1	10/18/2008 5:53:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	35	0.10		mg/L	1	10/23/2008 11:10:14 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/20/2008 1:51:00 PM
Toluene	ND	1.0		µg/L	1	10/20/2008 1:51:00 PM
Ethylbenzene	ND	1.0		µg/L	1	10/20/2008 1:51:00 PM
Xylenes, Total	ND	2.0		µg/L	1	10/20/2008 1:51:00 PM
Surr: 1,2-Dichloroethane-d4	100	59.3-133		%REC	1	10/20/2008 1:51:00 PM
Surr: 4-Bromofluorobenzene	105	80.4-119		%REC	1	10/20/2008 1:51:00 PM
Surr: Dibromofluoromethane	100	59.5-134		%REC	1	10/20/2008 1:51:00 PM
Surr: Toluene-d8	97.1	53.5-136		%REC	1	10/20/2008 1:51:00 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	550	200		mg/L	1	10/16/2008

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	0810283	**Collection Date:**	10/9/2008 1:02:00 PM
Project:	BMG Landfarm	**Date Received:**	10/13/2008
Lab ID:	0810283-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/16/2008
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/16/2008
Surr: DNOP	127	58-140		%REC	1	10/16/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/18/2008 6:24:02 AM
Surr: BFB	86.2	59.9-122		%REC	1	10/18/2008 6:24:02 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	36	0.10		mg/L	1	10/23/2008 11:27:39 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/20/2008 2:20:41 PM
Toluene	ND	1.0		µg/L	1	10/20/2008 2:20:41 PM
Ethylbenzene	ND	1.0		µg/L	1	10/20/2008 2:20:41 PM
Xylenes, Total	ND	2.0		µg/L	1	10/20/2008 2:20:41 PM
Surr: 1,2-Dichloroethane-d4	104	59.3-133		%REC	1	10/20/2008 2:20:41 PM
Surr: 4-Bromofluorobenzene	103	80.4-119		%REC	1	10/20/2008 2:20:41 PM
Surr: Dibromofluoromethane	103	59.5-134		%REC	1	10/20/2008 2:20:41 PM
Surr: Toluene-d8	94.6	53.5-136		%REC	1	10/20/2008 2:20:41 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	800	200		mg/L	1	10/16/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	0810283	**Collection Date:**	10/9/2008 2:20:00 PM
Project:	BMG Landfarm	**Date Received:**	10/13/2008
Lab ID:	0810283-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/16/2008
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/16/2008
Surr: DNOP	124	58-140		%REC	1	10/16/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/18/2008 6:54:13 AM
Surr: BFB	89.0	59.9-122		%REC	1	10/18/2008 6.54.13 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	34	0.10		mg/L	1	10/23/2008 11:45:03 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/20/2008 2:50:24 PM
Toluene	ND	1.0		µg/L	1	10/20/2008 2:50:24 PM
Ethylbenzene	ND	1.0		µg/L	1	10/20/2008 2:50:24 PM
Xylenes, Total	ND	2.0		µg/L	1	10/20/2008 2:50:24 PM
Surr: 1,2-Dichloroethane-d4	105	59.3-133		%REC	1	10/20/2008 2:50:24 PM
Surr: 4-Bromofluorobenzene	110	80.4-119		%REC	1	10/20/2008 2:50:24 PM
Surr: Dibromofluoromethane	111	59.5-134		%REC	1	10/20/2008 2:50:24 PM
Surr: Toluene-d8	98.1	53.5-136		%REC	1	10/20/2008 2:50:24 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	760	200		mg/L	1	10/16/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Interstitial Well
Lab Order:	0810283	**Collection Date:**	10/9/2008 3:15:00 PM
Project:	BMG Landfarm	**Date Received:**	10/13/2008
Lab ID:	0810283-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/L	1	10/16/2008
Motor Oil Range Organics (MRO)	ND	50		mg/L	1	10/16/2008
Surr: DNOP	124	58-140		%REC	1	10/16/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.50		mg/L	10	10/17/2008 2:43:00 PM
Surr: BFB	87.4	59.9-122		%REC	10	10/17/2008 2:43:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Benzene	ND	10		µg/L	10	10/17/2008 2:43:00 PM
Toluene	ND	10		µg/L	10	10/17/2008 2:43:00 PM
Ethylbenzene	ND	10		µg/L	10	10/17/2008 2:43:00 PM
Xylenes, Total	ND	20		µg/L	10	10/17/2008 2:43:00 PM
Surr: 4-Bromofluorobenzene	97.7	65.9-130		%REC	10	10/17/2008 2:43:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	100000	500		mg/L	5000	10/28/2008 4:55:38 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	180000	100		mg/L	1	10/16/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #1
Lab Order:	0810283	**Collection Date:**	10/9/2008 11:44:00 AM
Project:	BMG Landfarm	**Date Received:**	10/13/2008
Lab ID:	0810283-07	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/20/2008
Motor Oil Range Organics (MRO)	55	50		mg/Kg	1	10/20/2008
Surr: DNOP	111	61.7-135		%REC	1	10/20/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/18/2008 1:20:42 AM
Surr: BFB	90.2	58.8-123		%REC	1	10/18/2008 1:20:42 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	14	0.30		mg/Kg	1	10/23/2008 4:44:03 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	10/20/2008 6:17:06 PM
Toluene	ND	0.050		mg/Kg	1	10/20/2008 6:17:06 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2008 6:17:06 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2008 6:17:06 PM
Surr: 1,2-Dichloroethane-d4	102	81.6-105		%REC	1	10/20/2008 6:17:06 PM
Surr: 4-Bromofluorobenzene	105	84.7-111		%REC	1	10/20/2008 6:17:06 PM
Surr: Dibromofluoromethane	104	77.4-105		%REC	1	10/20/2008 6:17:06 PM
Surr: Toluene-d8	88.8	88.2-113		%REC	1	10/20/2008 6:17:06 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #2
Lab Order:	0810283	**Collection Date:**	10/9/2008 11:24:00 AM
Project:	BMG Landfarm	**Date Received:**	10/13/2008
Lab ID:	0810283-08	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/20/2008
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2008
Surr: DNOP	105	61.7-135		%REC	1	10/20/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/18/2008 1:50:59 AM
Surr: BFB	83.9	58.8-123		%REC	1	10/18/2008 1:50:59 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	1.1	0.30		mg/Kg	1	10/23/2008 5:01:28 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	10/20/2008 6:46:48 PM
Toluene	ND	0.050		mg/Kg	1	10/20/2008 6:46:48 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2008 6:46:48 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2008 6:46:48 PM
Surr: 1,2-Dichloroethane-d4	96.4	81.6-105		%REC	1	10/20/2008 6:46:48 PM
Surr: 4-Bromofluorobenzene	106	84.7-111		%REC	1	10/20/2008 6:46:48 PM
Surr: Dibromofluoromethane	98.3	77.4-105		%REC	1	10/20/2008 6:46:48 PM
Surr: Toluene-d8	91.6	88.2-113		%REC	1	10/20/2008 6:46:48 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Nov-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #3
Lab Order:	0810283	**Collection Date:**	10/9/2008 10:58:00 AM
Project:	BMG Landfarm	**Date Received:**	10/13/2008
Lab ID:	0810283-09	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/20/2008
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2008
Surr: DNOP	106	61.7-135		%REC	1	10/20/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/18/2008 2:21:07 AM
Surr: BFB	88.8	58.8-123		%REC	1	10/18/2008 2:21:07 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	1.4	0.30		mg/Kg	1	10/23/2008 5:18:53 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	10/20/2008 7:16:28 PM
Toluene	ND	0.050		mg/Kg	1	10/20/2008 7:16:28 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2008 7:16:28 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2008 7:16:28 PM
Surr: 1,2-Dichloroethane-d4	99 1	81.6-105		%REC	1	10/20/2008 7:16:28 PM
Surr: 4-Bromofluorobenzene	99.6	84.7-111		%REC	1	10/20/2008 7:16:28 PM
Surr: Dibromofluoromethane	99.6	77.4-105		%REC	1	10/20/2008 7:16:28 PM
Surr: Toluene-d8	94.8	88.2-113		%REC	1	10/20/2008 7:16:28 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
RL	Reporting Limit

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Landfarm **Work Order:** 0810283

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: 0810283-09AMSD		*MSD*			Batch ID: **17387**		Analysis Date:	10/23/2008 5:53:42 AM	
Chloride	15.43	mg/Kg	0.30	93.3	70.7	122	0.526	20	
Sample ID: MB-17387		*MBLK*			Batch ID: **17387**		Analysis Date:	10/23/2008 12:05:28 AM	
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-17387		*LCS*			Batch ID: **17387**		Analysis Date:	10/23/2008 12:57:42 AM	
Chloride	14.45	mg/Kg	0.30	96.3	90	110			
Sample ID: 0810283-09AMS		*MS*			Batch ID: **17387**		Analysis Date:	10/23/2008 5:36:17 AM	
Chloride	15.35	mg/Kg	0.30	92.8	70.7	122			
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID: **R30848**		Analysis Date:	10/23/2008 7.23.51 AM	
Chloride	ND	mg/L	0.10						
Sample ID: MB		*MBLK*			Batch ID: **R30893**		Analysis Date:	10/27/2008 4:33:22 PM	
Chloride	ND	mg/L	0.10						
Sample ID: MB		*MBLK*			Batch ID: **R30912**		Analysis Date:	10/28/2008 9:05:39 AM	
Chloride	ND	mg/L	0.10						
Sample ID: LCS		*LCS*			Batch ID: **R30848**		Analysis Date:	10/23/2008 7:41:16 AM	
Chloride	4.956	mg/L	0.10	99.1	90	110			
Sample ID: LCS		*LCS*			Batch ID. **R30893**		Analysis Date:	10/27/2008 9:52:53 AM	
Chloride	4 943	mg/L	0.10	98.9	90	110			
Sample ID: LCS		*LCS*			Batch ID: **R30912**		Analysis Date:	10/28/2008 9:23 04 AM	
Chloride	5.040	mg/L	0.10	101	90	110			
Method: EPA Method 8015B: Diesel Range Organics									
Sample ID: MB-17395		*MBLK*			Batch ID: **17395**		Analysis Date:	10/20/2008	
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-17395		*LCS*			Batch ID. **17395**		Analysis Date:	10/20/2008	
Diesel Range Organics (DRO)	53.89	mg/Kg	10	108	64.6	116			
Sample ID: LCSD-17395		*LCSD*			Batch ID: **17395**		Analysis Date:	10/20/2008	
Diesel Range Organics (DRO)	55.47	mg/Kg	10	111	64.6	116	2.89	17.4	
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-17380		*MBLK*			Batch ID: **17380**		Analysis Date:	10/16/2008	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-17380		*LCS*			Batch ID **17380**		Analysis Date:	10/16/2008	
Diesel Range Organics (DRO)	6.587	mg/L	1.0	132	74	157			
Sample ID: LCSD-17380		*LCSD*			Batch ID: **17380**		Analysis Date:	10/16/2008	
Diesel Range Organics (DRO)	6.460	mg/L	1.0	129	74	157	1.95	23	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Landfarm **Work Order:** 0810283

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 0810283-08A MSD		*MSD*			Batch ID:	**R30743**	Analysis Date:	10/17/2008 6:46:02 PM	
Gasoline Range Organics (GRO)	26.19	mg/Kg	5.0	90.7	69.5	120	5.41	11.6	
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R30743**	Analysis Date:	10/17/2008 9:08:03 AM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R30743**	Analysis Date:	10/17/2008 7:16:32 PM	
Gasoline Range Organics (GRO)	24.18	mg/Kg	5.0	96.7	69 5	120			
Sample ID: 0810283-08A MS		*MS*			Batch ID:	**R30743**	Analysis Date.	10/17/2008 6:15:30 PM	
Gasoline Range Organics (GRO)	24.81	mg/Kg	5.0	85.2	69 5	120			
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 0810283-02A MSD		*MSD*			Batch ID:	**R30743**	Analysis Date:	10/17/2008 5:45:28 PM	
Gasoline Range Organics (GRO)	0.4756	mg/L	0.050	95.1	80	115	0.879	8.39	
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R30743**	Analysis Date:	10/17/2008 9:08:03 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R30743**	Analysis Date:	10/17/2008 7:16:32 PM	
Gasoline Range Organics (GRO)	0.4836	mg/L	0 050	96 7	80	115			
Sample ID: 0810283-02A MS		*MS*			Batch ID:	**R30743**	Analysis Date.	10/17/2008 5:15:07 PM	
Gasoline Range Organics (GRO)	0.4798	mg/L	0.050	96 0	80	115			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Landfarm **Work Order:** 0810283

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 0810283-02A MSD		*MSD*			Batch ID	**R30743**	Analysis Date:	10/17/2008 5:45:28 PM	
Methyl tert-butyl ether (MTBE)	10.20	µg/L	2.5	124	51.2	138	6.03	28	
Benzene	6.060	µg/L	1.0	108	85.9	113	0.364	27	
Toluene	41 90	µg/L	1.0	105	86.4	113	0.450	19	
Ethylbenzene	8 230	µg/L	1.0	103	83.5	118	1.54	10	
Xylenes, Total	49.15	µg/L	2.0	107	83.4	122	0.911	13	
1,2,4-Trimethylbenzene	16.98	µg/L	1.0	129	83.5	115	5.27	21	S
1,3,5-Trimethylbenzene	4.892	µg/L	1.0	122	85.2	113	3.46	10	S
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R30743**	Analysis Date:	10/17/2008 9:08:03 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R30743**	Analysis Date:	10/17/2008 7:46:49 PM	
Methyl tert-butyl ether (MTBE)	27.91	µg/L	2.5	140	51.2	138			S
Benzene	20.88	µg/L	1 0	104	85.9	113			
Toluene	21.53	µg/L	1.0	108	86.4	113			
Ethylbenzene	21.02	µg/L	1.0	105	83.5	118			
Xylenes, Total	63.62	µg/L	2 0	106	83.4	122			
1,2,4-Trimethylbenzene	23.22	µg/L	1.0	116	83.5	115			S
1,3,5-Trimethylbenzene	21.95	µg/L	1.0	110	85.2	113			
Sample ID: 0810283-02A MS		*MS*			Batch ID:	**R30743**	Analysis Date:	10/17/2008 5:15:07 PM	
Methyl tert-butyl ether (MTBE)	10.84	µg/L	2.5	132	51.2	138			
Benzene	6.038	µg/L	1.0	108	85.9	113			
Toluene	41.71	µg/L	1.0	104	86.4	113			
Ethylbenzene	8.358	µg/L	1.0	104	83.5	118			
Xylenes, Total	49.60	µg/L	2.0	108	83.4	122			
1,2,4-Trimethylbenzene	17.90	µg/L	1.0	136	83.5	115			S
1,3,5-Trimethylbenzene	5.064	µg/L	1.0	127	85.2	113			S

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Landfarm **Work Order:** 0810283

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: Volatiles Short List									
Sample ID: 5ml rb		*MBLK*			Batch ID: **R30780**		Analysis Date:	10/20/2008 8:49:11 AM	
Benzene	ND	mg/Kg	0 050						
Toluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0 050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: 100ng lcs		*LCS*			Batch ID: **R30780**		Analysis Date:	10/20/2008 9 48:42 AM	
Benzene	0.9611	mg/Kg	0.050	96 1	78.2	123			
Toluene	1.007	mg/Kg	0.050	101	72.6	128			
Sample ID: 100ng lcsd		*LCSD*			Batch ID: **R30780**		Analysis Date:	10/20/2008 9:44:43 PM	
Benzene	1 024	mg/Kg	0 050	102	83.2	118	6.33	19	
Toluene	1.066	mg/Kg	0.050	107	84.8	112	5.76	0	
Method: EPA Method 8260: Volatiles Short List									
Sample ID: 5ml rb		*MBLK*			Batch ID: **R30780**		Analysis Date:	10/20/2008 8:49:11 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
Sample ID: 100ng lcs		*LCS*			Batch ID: **R30780**		Analysis Date:	10/20/2008 9 48:42 AM	
Benzene	19.22	µg/L	1 0	96 1	86.8	120			
Toluene	20.14	µg/L	1.0	101	64.1	127			
Sample ID: 100ng lcsd		*LCSD*			Batch ID: **R30780**		Analysis Date.	10/20/2008 9:44:43 PM	
Benzene	20.48	µg/L	1.0	102	86.8	120	6.33	20	
Method: SM 2540C: TDS									
Sample ID: MB-17358		*MBLK*			Batch ID: **17358**		Analysis Date:	10/14/2008	
Total Dissolved Solids	ND	mg/L	20						
Sample ID: MBLK-17368		*MBLK*			Batch ID: **17368**		Analysis Date:	10/16/2008	
Total Dissolved Solids	ND	mg/L	20						
Sample ID: LCS-17358		*LCS*			Batch ID: **17358**		Analysis Date:	10/14/2008	
Total Dissolved Solids	1010	mg/L	20	101	80	120			
Sample ID: LCS1-17368		*LCS*			Batch ID: **17368**		Analysis Date:	10/16/2008	
Total Dissolved Solids	1036	mg/L	20	104	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL Date Received: 10/13/2008

Work Order Number 0810283 Received by: AT

Checklist completed by: _____ 10/13/08 Sample ID labels checked by _____

Signature Date Initials

Matrix: Carrier name Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	1°	*<6° C Acceptable* If given sufficient time to cool		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments _____

Corrective Action _____

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: 505-325-2022

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: BMG Landfarm

Project #: 040605

Project Manager: Ross Kennemer

Sampler: Nathan Willis

On Ice: ☒ Yes ☐ No

Sample Temperature: /

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0810283
			~~field~~ TB 10/14/08			
10-9-08	0823	H_2O	~~Trip~~ Blank	2-40mL glass	HCl	1
	1450		MW-1	1-40mL glass 4-40mL glass 1-500mL plastic	None HCl None	2
	1345		MW-2			3
	1307		MW-3			4
	1420		MW-4			5
10-9-08	1515	H_2O	Interstitial Well	4-40ml glass 1-40ml glass 1-500ml plastic	HCl None None	6
	1144	Soil	Cell #1	MeOH Kit	MeOH	7
	1124		Cell #2			8
	1058		Cell #3			9

Analysis Request

~~BTEX + MTBE + TMB's~~ (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8021/8015 BTEX/GRO/DRO	300.1 Chlorides	2540C TDS		Air Bubbles (Y or N)
X															
											X	X	X		
											X	X	X		
											X	X	X		
											X	X	X		
											X	X	X		
											X	X			
											X	X			
											X	X			

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/13/08	0800	Nathan Willis	Barbara R. Cuppes	10/13/08	0800
10/13/08	0900	L. Cuppes		10/13/08	1635

Remarks: NMWQCC standards

Shipped via Greyhound

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

BMG

BENSON-MONTIN-GREER DRILLING CORP

4900 College Boulevard Farmington, NM 87402 Office: 505.325.8874 Fax: 505.327.9207

September 19, 2008

Mr. Brad Jones
NM Oil Conservation Division
1220 S. St. Francis Frive
Santa Fe, NM 87505

Dear Mr. Jones:

Enclosed is one copy of the results from July 2008 Evaporation Pond Groundwater Sampling and Treatment Zone Soil Sampling for BMG's Centralized Waste Management Facility, Rio Arriba County, New Mexico.

Sincerely,

Mike Dimond
President

Cc: Brandon Powell
NMOCD – Aztec, NM

AES Animas Environmental Services, LLC

624 E. Comanche . Farmington, NM 87401 . TEL 505-564-2281 . FAX 505-324-2022 . www.animasenvironmental.com

September 17, 2008

Mike Dimond
Benson-Montin-Greer Drilling Corporation
4900 College Blvd
Farmington, New Mexico 87402

RE: Results of July 2008 Evaporation Pond Groundwater Sampling and Treatment Zone Soil Sampling at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On July 21, 2008, Animas Environmental Services, LLC (AES), completed quarterly groundwater and soil treatment zone monitoring and sampling at the Benson-Montin-Greer Drilling Corporation (BMG) Centralized Surface Waste Management Facility, located near the Canada Ojitos Unit (COU) Gas Plant in Rio Arriba County, New Mexico.

1.0 BMG Evaporation Pond Groundwater Monitoring and Sampling

1.1 Site Information

On April 14, 2008, AES personnel confirmed the presence of liquid within the interstitial well (IW) at the BMG Evaporation Pond. Site investigation activities conducted in May 2008 confirmed that while the primary liner had failed, the integrity of the secondary liner was not compromised, and no release to the environment had occurred. As a precautionary measure, New Mexico Oil Conservation Division (NMOCD) requested that four groundwater monitoring wells (MW-1 through MW-4) be installed around the evaporation pond and monitored quarterly in conjunction with on-going landfarm sampling. The BMG Evaporation Pond is located at the BMG Centralized Surface Waste Management Facility to the northeast of the shop and office area. A site map is included as Figure 1.

1.2 Groundwater Monitoring Well Sampling

AES personnel completed groundwater monitoring and sampling of the evaporation pond monitoring wells on July 21, 2008. Groundwater samples were collected from MW-1 through MW-4 and the interstitial well. All samples were analyzed at Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico.

Groundwater samples were collected with disposable bailers and transferred into appropriate sample containers, labeled accordingly, and documented on Water Sample Collection Forms. The Chain of Custody Record was then completed, and samples were transported to the analyzing laboratory in chilled and insulated coolers at less than 6°C.

All groundwater analytical samples were submitted to Hall for analysis of the following parameters:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) – EPA Method 8021
- Total Petroleum Hydrocarbons (TPH) (C_6-C_{36}) – EPA Method 8015 Modified
- Chlorides – EPA Method 300.0
- Total Dissolved Solids (TDS) – SM 2540C
- Mercury – EPA Method 7470
- Total Recoverable Metals (TRM) – EPA 6010

1.2.1 Groundwater Measurement Data

Prior to sample collection, AES collected a depth to water measurement and recorded temperature, pH, conductivity, and oxidation-reduction potential (ORP) measurements for each well. All data was recorded onto Water Sample Collection Forms. Groundwater temperature ranged from 11.72°C in MW-2 to 18.68°C in IW. Conductivity ranged from 1.567 mS in MW-3 to 362.7 mS in IW, and ORP was measured between -26.1 mV in IW and 184.6 mV in MW-3. pH ranged from 6.51 in IW to 7.26 in MW-4. A summary of water quality data is included in Table 1, and Water Sample Collection Forms are presented in Appendix A.

1.2.2 Groundwater Analytical Results

Analytical results from groundwater samples collected during the July 2008 sampling event show that none of the wells sampled exceeded the New Mexico Water Quality Control Commission (WQCC) standards for BTEX constituents. No WQCC standard currently exists for TPH; however, IW had TPH concentrations of 9.8 mg/L. Each of the other wells had TPH concentrations below laboratory detection limits. Chloride and TDS concentrations were above laboratory detection limits in each of the samples. The Interstitial Well had metals concentrations above laboratory detection limits, and barium, cadmium, and lead concentrations above applicable WQCC standards. The results have been summarized as follows:

- Chloride: IW (120,000 mg/L), MW-1 (64 mg/L), MW-2 (40 mg/L), MW-3 (38 mg/L), and MW-4 (57 mg/L).
- TDS: IW (210,000 mg/L), MW-1 (830 mg/L), MW-2 (640 mg/L), MW-3 (610 mg/L), and MW-4 (770 mg/L).
- Metals: IW (Barium – 240 mg/L, Cadmium – 0.88 mg/L, Lead – 0.35 mg/L).

The analytical results for the groundwater samples collected during the July 2008 sampling event have been tabulated and are presented in Tables 2 and 3. Groundwater analytical laboratory reports are presented in Appendix B.

2.0 Landfarm Soil Sampling

As required by the NMOCD permit for this facility, one random soil sample was collected from each of the active treatment cells. Samples were collected from a depth of approximately two feet from the three treatment cells sampled. A stainless steel hand auger, which was decontaminated between each sampling point to prevent cross-

contamination, was used to collect the samples. Once collected, each sample container was labeled with the date, sample location, sample type, and sampler's initials. The containers were placed in a chilled, insulated cooler at less than 6°C until delivered to the analytical laboratory, Hall in Albuquerque, New Mexico. A Chain of Custody was completed at the time the samples were collected.

2.1 Laboratory Analytical Methods

Soil samples collected were analyzed for the following:

- BTEX per EPA Method 8021B;
- TPH per EPA Method 8015B;
- pH per SM4500-H+B (annually);
- Specific conductance (annually);
- Chlorides, fluorides, and sulfates per EPA Method 300.0 (annually);
- Mercury per EPA Method 7471 (annually);
- Arsenic, barium, cadmium, chromium, lead, selenium, and silver per EPA Method 6010B (annually).

Samples collected for BTEX analysis were field-preserved with methanol at the time of collection with materials and equipment supplied by the analytical laboratory.

2.2 Treatment Zone Analytical Results

Based on AES's observations of the treatment cells at the time of sample collection, treatment cells #1, #2, and #3 are in use and are being tilled on a frequent basis. Cell #4 is not in use. Results are summarized as follows:

- Chloride concentrations were below the applicable standard of 500 mg/kg in each of the cells;
- BTEX concentrations were below applicable laboratory detection limits in each cell;
- TPH concentrations ranged from 3,700 mg/kg (Cell #1) up to 9,500 mg/kg (Cell #3); Specific conductance ranged from 360 µmhos/cm (Cell #1) up to 1,200 µmhos/cm (Cell #3);
- Sulfate varied from 8.8 mg/kg (Cell #1) to 2,200 mg/kg (Cell #3);
- Fluoride ranged from below the laboratory detection limit of 1.5 mg/kg (Cells #1 and #3) up to 2.4 mg/kg (Cell #2);
- Barium concentrations ranged from 77 mg/kg (Cell #3) to 92 mg/kg (Cell #2);
- Chromium concentrations ranged from 7.2 mg/kg (Cell #3) to 9.2 mg/kg (Cell #2);
- Lead concentrations ranged from 5.2 mg/kg (Cell #1) to 11 mg/kg (Cell #3).

The locations of all samples, as well as analytical results, are presented on Figure 2. Laboratory analytical reports can be found in Appendix B and are summarized in Tables 4 through 7.

3.0 Conclusion and Recommendations

Based upon the results of the July 2008 sampling event associated with the BMG Centralized Surface Waste Management Facility, groundwater analytical results from monitoring wells located around the Evaporation Pond are below laboratory detection limits or WQCC standards for BTEX and TPH. Groundwater samples from MW-1 through MW-4 were also below applicable WQCC standards for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. However, groundwater samples from the Interstitial Well had reported concentrations above WQCC standards for barium, cadmium, and lead.

Soil analytical results from treatment zone monitoring within the landfarm were below laboratory detection limits for BTEX constituents and were below applicable standards for chlorides. Concentrations of TPH, sulfate, fluoride, barium, chromium, and lead were above laboratory detection limits in each treatment cell.

AES has scheduled quarterly treatment zone monitoring and sampling of evaporation pond monitoring wells to occur in October 2008. If you have any questions regarding the sampling procedures or results, please do not hesitate to contact Elizabeth McNally or Ross Kennemer at (505) 564-2281.

Sincerely,

Sandrea R. Cupps

Lany Cupps
Project Manager

Attachments: Table 1. Summary of Water Quality Data
Table 2. Groundwater Analytical Results
Table 3. Groundwater Metals Analytical Results
Table 4. Soil BTEX and TPH Concentrations
Table 5. Soil Chloride Concentrations
Table 6. Soil Major Cations/Anions Analytical Results
Table 7. Soil Metals Analytical Results
Figure 1. Location of BMG Evaporation Pond and Monitoring Wells
Figure 2. Treatment Zone Monitoring Locations
Appendix A. Water Sample Collection Forms
Appendix B. Laboratory Analytical Reports

Files/2008/BMG/Landfarm Sampling/gcbmg 091708

TABLE 1
Water Quality and Well Data
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Well ID	Date Measured	Top of Casing Elevation (ft amsl)	Depth to Water (ft)	Temp. (°C)	Specific Conduct. (mS)	Dissolved Oxygen (mg/L)	pH	ORP (mV)
Evaporation Pond Water	10-May-08	TBS	NM	12.66	116	NM	6.79	-3.6
Interstitial Well	10-May-08	TBS	9.41	11.82	213	NM	6.60	106.4
Interstitial Well	21-Jul-08	TBS	9.61	18.68	362.7	0.20	6.51	-26.1
MW-1	10-May-08	TBS	38.03	12.73	2.59	NM	8.24	76.8
MW-1	21-Jul-08	TBS	38.11	12.18	2.236	4.85	6.57	173.2
MW-2	10-May-08	TBS	39.16	11.64	0.99	NM	7.78	97.7
MW-2	21-Jul-08	TBS	39.21	11.72	1.632	3.23	6.69	158.4
MW-3	10-May-08	TBS	38.38	12.80	0.96	NM	7.73	103.2
MW-3	21-Jul-08	TBS	38.49	12.44	1.567	3.69	6.82	184.6
MW-4	10-May-08	TBS	38.80	12.69	1.09	NM	7.92	78.5
MW-4	21-Jul-08	TBS	38.91	12.38	1.975	8.59	7.26	163.3

NM - Not Measured

TBS - To Be Surveyed

TABLE 2
Summary of Groundwater Analytical Results
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Sample I.D.	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	GRO	DRO	MRO	Chlorides	TDS
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Analytical Method		8021B	8021B	8021B	8021B	8015B	8015B	8015B	300.0	SM 2540C
New Mexico WQCC		*10*	*750*	*750*	*620*	*NE*	*NE*	*NE*	*NE*	*NE*
Evaporation Pond Water	10-May-08	<10	37	<10	29	2.5	50	12	50,000	89,000
Interstitial Well	10-May-08	<5.0	50	6.8	25	0.56	58	8.0	140,000	220,000
Interstitial Well	21-Jul-08	<5.0	12	<5.0	<10	1.0	8.8	<15	120,000	210,000
MW-1	10-May-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	72	740
MW-1	21-Jul-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	64	830
MW-2	10-May-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	49	600
MW-2	21-Jul-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	40	640
MW-3	10-May-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	44	680
MW-3	21-Jul-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	38	610
MW-4	10-May-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	52	720
MW-4	21-Jul-08	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	57	770

NOTE: NE = Not Established

TABLE 3
Summary of Groundwater Metals Analytical Results
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Sample ID	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)
Analytical Method		*6010*	*6010*	*6010*	*6010*	*6010*	*7470*	*6010*	*6010*
NM WQCC STANDARD		*0.10*	*1.0*	*0.01*	*0.05*	*0.05*	*0.002*	*0.05*	*0.05*
Interstitial Well	21-Jul-08	<1.0	**240**	**0.88**	<0.30	**0.35**	<0.00080	<2.5	<0.25
MW- 1	21-Jul-08	<0.020	0.17	<0.0020	<0.0060	0.0079	<0.00020	<0.050	<0.0050
MW-2	21-Jul-08	<0.020	0.18	<0.0020	<0.0060	0.010	<0.00020	<0.050	<0.0050
MW-3	21-Jul-08	<0.020	0.22	<0.0020	<0.0060	0.010	<0.00020	<0.050	<0.0050
MW-4	21-Jul-08	<0.020	0.34	<0.0020	<0.0060	0.0078	<0.00020	<0.050	<0.0050

Notes: **< Analyte not detected above listed method limit**
µg/L Micrograms per liter (ppb)
mg/L Milligrams per liter (ppm)

TABLE 4
Soil BTEX and TPH Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm ID	Sample ID	Sample Location	Sample Date	Sample Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylene (mg/kg)	TPH GRO (C6-C10) (mg/kg)	TPH DRO (C10-C22) (mg/kg)	TPH MRO (C22-C32) (mg/kg)
		Laboratory Analytyical Method			8021				8015M		
Cell #1	#1	N 36° 23.371' W 106° 52.031'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	
Cell #1	#1	N 36° 23.371' W 106° 52.031'	7-Mar-06	2	<0.025	<0.025	<0.025	<0.10	<10	18	
Cell #1	#1	N 36° 23.355' W 106° 51.998'	16-Feb-07	2.5	<0.025	<0.025	<0.025	<0.10	<10	<10	
Cell #1	#1	N 36° 23.372' W 106° 52.046'	22-May-07	3	<0.025	<0.025	<0.025	<0.10	<10	752	
Cell #1	#1	N 36° 23.365' W 106° 52.030'	16-Aug-07	2.5	<0.025	0.031	<0.025	<0.10	<10	660	
Cell #1	#1	N 36° 23.367' W 106° 52.021'	6-Nov-07	2.5	<0.050	<0.050	<0.050	<0.10	<5.0	<10	
Cell #1	#1	N 36° 23.358' W 106° 52.004'	14-Apr-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	4,900	2,200
Cell #1	#1	N 36° 23.375' W 106° 52.056'	21-Jul-08	2	<0.050	<0.050	<0.050	<0.10	5.4	2,000	1,700
Cell #2	#1	N 36° 23.386' W 106° 52.932'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	
Cell #2	#1	N 36° 23.386' W 106° 52.932'	7-Mar-06	2	<0.025	<0.025	<0.025	<0.10	<10	52	
Cell #2	#1	N 36° 23.393' W 106° 51.996'	16-Feb-07	2.5	<0.025	<0.025	0.03	<0.10	<10	<10	
Cell #2	#1	N 36° 23.416' W 106° 52.003'	22-May-07	3	<0.025	<0.025	<0.025	<0.10	<10	<20	
Cell #2	#1	N 36° 23.397' W 106° 51.996'	16-Aug-07	2.5	<0.025	<0.025	0.028	<0.10	<10	<10	
Cell #2	#1	N 36° 23.404' W 106° 51.942'	6-Nov-07	2.5	<0.050	<0.050	<0.050	<0.10	<5.0	<10	

TABLE 4
Soil BTEX and TPH Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm ID	Sample ID	Sample Location	Sample Date	Sample Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylene (mg/kg)	TPH GRO (C6-C10) (mg/kg)	TPH DRO (C10-C22) (mg/kg)	TPH MRO (C22-C32) (mg/kg)
		Laboratory Analytyical Method			8021				8015M		
Cell #2	#1	N 36° 23.391' W 106° 51.984'	14-Apr-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	1,000	540
Cell #2	#1	N 36° 23.408' W 106° 52.011'	21-Jul-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	3,000	1,700
Cell #3	#1	N 36° 23.351' W 106° 51.882'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	
Cell #3	#1	N 36° 23.351' W 106° 51.882'	7-Mar-06	2	<0.025	<0.025	<0.025	<0.10	<10	NA	
Cell #3	#1	N 36° 23.386' W 106° 51.974'	16-Feb-07	2.5	<0.025	0.034	0.041	<0.10	<10	12	
Cell #3	#1	N 36° 23.359' W 106° 51.865'	22-May-07	3	<0.025	<0.025	<0.025	<0.10	<10	<20	
Cell #3	#1	N 36° 23.340' W 106° 51.574'	16-Aug-07	2.5	<0.025	0.078	0.049	0.18	<10	<10	
Cell #3	#1	N 36° 23.355' W 106° 51.906'	6-Nov-07	2	<0.050	<0.050	<0.050	<0.10	<5.0	<10	
Cell #3	#1	N 36° 23.365' W 106° 51.854'	14-Apr-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	1,200	680
Cell #3	#1	N 36° 23.380' W 106° 51.956'	21-Jul-08	2	<0.050	<0.050	<0.050	<1.0	88	7,100	2,400
Cell #4	#1	N 36° 23.363' W 106° 51.784'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	

Note 3/13/06 TPH for Cell #3 was analyzed past the 14 day hold time. Insufficient sample available for extraction with 8015B QC. Blank and sample from BTEX extraction used.**

TABLE 4
Soil BTEX and TPH Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm ID	Sample ID	Sample Location	Sample Date	Sample Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylene (mg/kg)	TPH GRO (C6-C10) (mg/kg)	TPH DRO (C10-C22) (mg/kg)	TPH MRO (C22-C32) (mg/kg)
		Laboratory Analytyical Method			8021				8015M		

Note** 11/28/07 EPA method 8021B was added to sample Cell #2 after the GRO analysis was completed. The BTEX Analysis for this sample does not have a closing QC standard.

Note** Prior to the April 14, 2008, sampling event TPH-DRO was reported as C10-C36.

TABLE 5
Soil Chloride Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm ID	Sample ID	Sample Date	Sample Depth (ft)	Chloride (mg/kg)
	Laboratory Analytical Method			300.0
	NMOCD Soil Standard			500
Cell #1	#1	7-Jun-06	2.5	33.7*
Cell #1	#1	22-May-07	3	23.5
Cell #1	#1	16-Aug-07	2.5	47.7
Cell #1	#1	6-Nov-07	2.5	45
Cell #1	#1	14-Apr-08	2	110
Cell #1	#1	21-Jul-08	2	8.0
Cell #2	#1	7-Jun-06	2.5	20.4*
Cell #2	#1	22-May-07	3	17.4
Cell #2	#1	16-Aug-07	2.5	5.34
Cell #2	#1	6-Nov-07	2.5	3.3
Cell #2	#1	14-Apr-08	2	2.2
Cell #2	#1	21-Jul-08	2	14
Cell #3	#1	7-Jun-06	2.5	26.3*
Cell #3	#1	22-May-07	3	57.6
Cell #3	#1	16-Aug-07	2.5	2.86
Cell #3	#1	6-Nov-07	2	7.8
Cell #3	#1	14-Apr-08	2	26
Cell #3	#1	21-Jul-08	2	5.5

Note: * = Concentrations reported are in mg/L
NA = Not Analyzed

TABLE 6
Summary of Major Cations/Anions
Annual Treatment Zone Monitoring
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

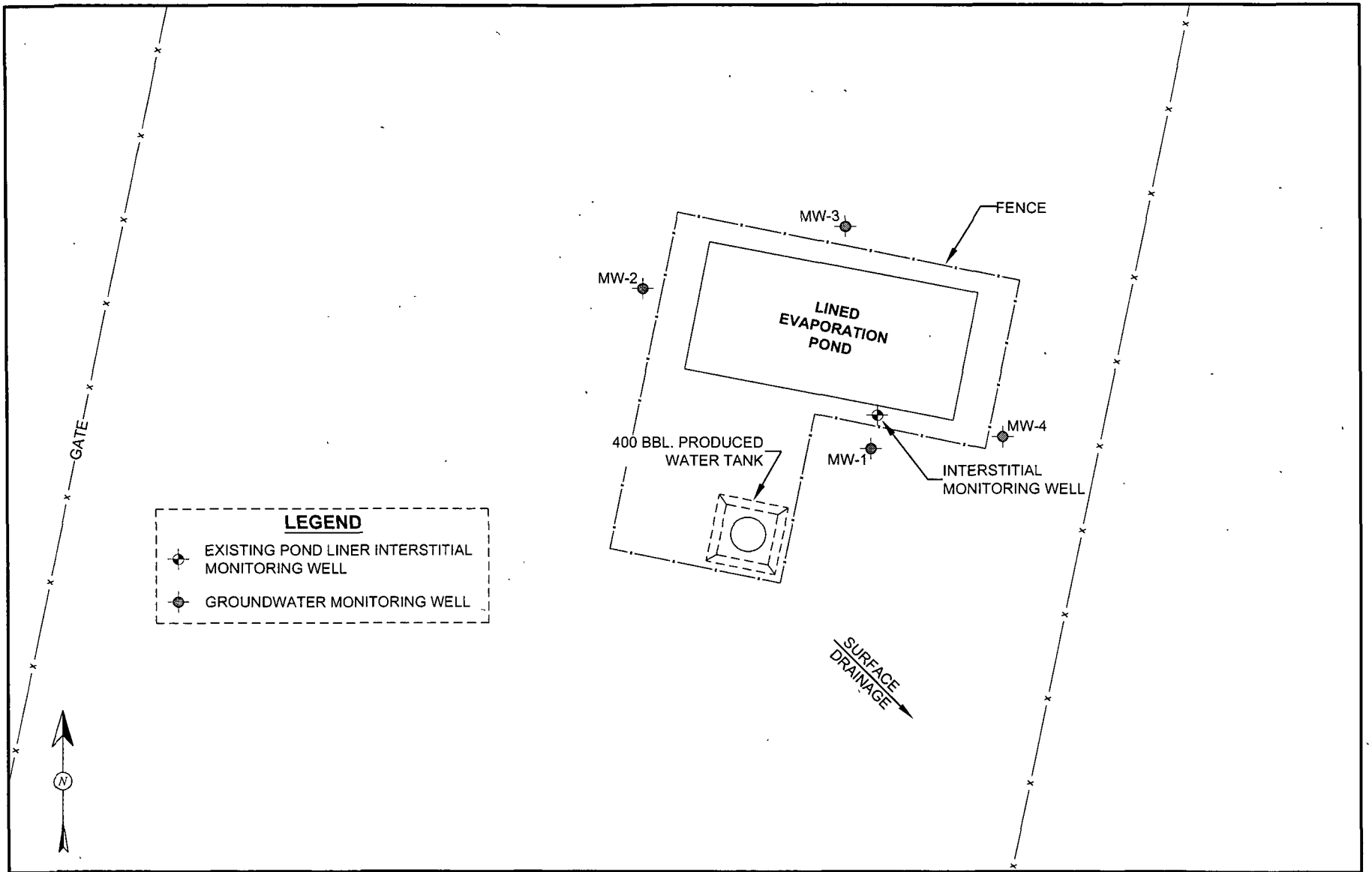
Landfarm ID	Sample ID	Sample Date	Sample Depth (ft)	pH	Spec. Cond. (umhos/cm)	Sulfate as SO_4 (mg/kg)	Flouride (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Potassium (mg/kg)
Cell #1	#1	6/7/2006	2.5	7.7	42.8	13.2	NA	2,780	1,340	<50	NA
Cell #1	#1	5/22/2007	3	7.37	NA	20.3*	4.26*	8,000	2,820	64	2460
Cell #1	#1	7/21/2008	2	7.67	360	8.8*	<1.5*	NA	NA	NA	NA
Cell #2	#1	6/7/2006	2.5	7.7	64.1	9.31	NA	1,950	979	<50	NA
Cell #2	#1	5/22/2007	3	7.59	NA	19.9*	4.94*	6,690	2,230	64	1650
Cell #2	#1	7/21/2008	2	7.97	650	130*	2.4*	NA	NA	NA	NA
Cell #3	#1	6/7/2006	2.5	9.1	54.2	23.5	2.92	2,140	1,110	<50	NA
Cell #3	#1	5/22/2007	3	7.30	NA	45.2*	5.01*	5,570	2,660	70	2620
Cell #3	#1	7/21/2008	2	7.53	1,200	2,200*	<1.5*	NA	NA	NA	NA

Note: * = Concentrations reported are in mg/kg
NA = Not Analyzed

TABLE 7
Summary of Metals
Annual Treatment Zone Monitoring
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm ID	Sample ID	Sample Date	Sample Depth (ft)	Silver (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Mercury (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)
Cell #1	#1	6/7/2006	2.5	NA	NA	NA	NA	NA	NA	NA	NA
Cell #1	#1	5/22/2007	3	<0.50	5.4	169	0.26	33.9	<0.033	11.90	<4.0
Cell #1	#1	7/21/2008	2	<1.2	<12	81	<0.50	7.4	<0.033	5.2	<12
Cell #2	#1	6/7/2006	2.5	NA	NA	NA	NA	NA	NA	NA	NA
Cell #2	#1	5/22/2007	3	<0.50	5.3	171	0.34	54.5	<0.033	10.60	<4.0
Cell #2	#1	7/21/2008	2	<1.2	<12	92	<0.50	9.2	<0.033	7.3	<12
Cell #3	#1	6/7/2006	2.5	NA	NA	NA	NA	NA	NA	NA	NA
Cell #3	#1	5/22/2007	3	<0.50	4.9	181	0.37	36.9	<0.033	13.90	<4.0
Cell #3	#1	7/21/2008	2	<1.2	<12	77	<0.50	7.2	0.033	11	<12

Note: * = Concentrations reported are in mg/kg
NA = Not Analyzed



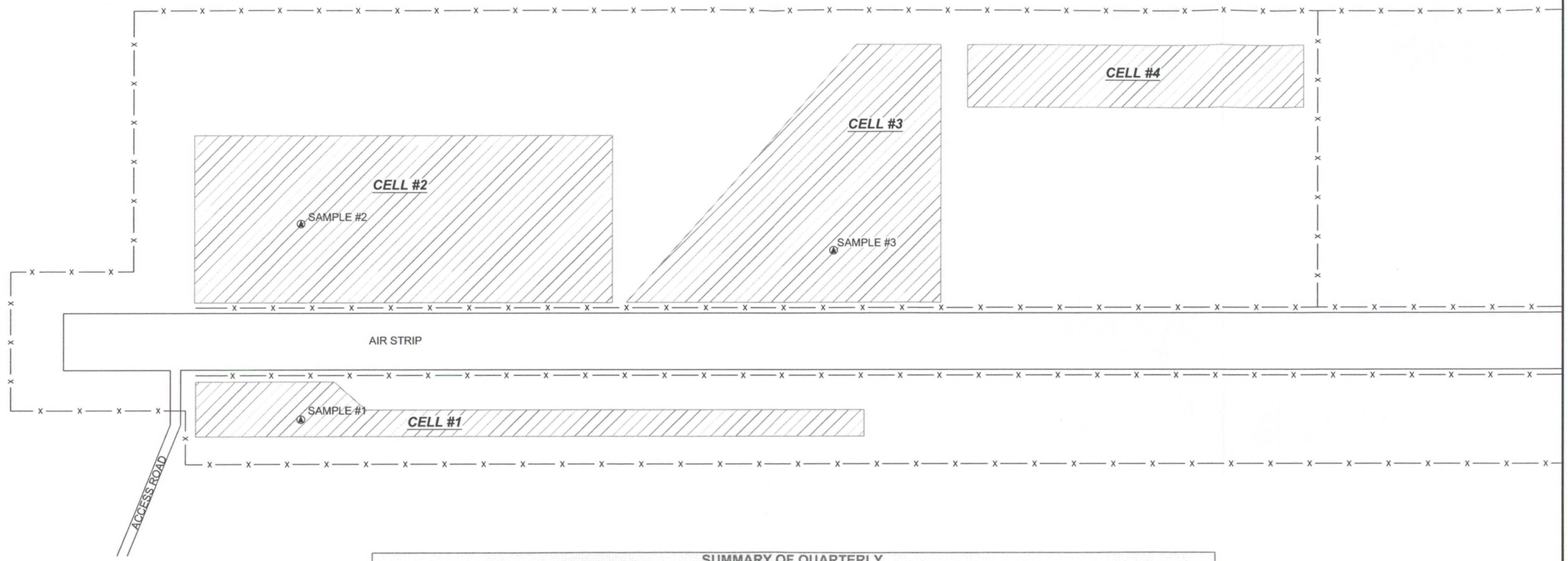
SCALE
50 30 0 50
10
(1 INCH = 50 FEET)

AES
Animas Environmental Services LLC

DRAWN BY: R. Kennemer	DATE DRAWN: April 28, 2008
REVISIONS BY: N. Willis	DATE REVISED: September 18, 2008
CHECKED BY: R Kennemer	DATE CHECKED: July 11, 2008
APPROVED BY: E McNally	DATE APPROVED: September 18, 2008

FIGURE 1
EVAPORATION POND
AND MONITOR WELL LOCATIONS
BENSON-MONTIN-GREER
CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY
FOREST ROAD 313
NW ¼, NW ¼, SEC 20, T25N, R1E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

S.\ANIMAS 2000\2008 PROJECTS\BMG\LLAVES EVAPORATION POND\MAPS AND DRAWINGS\FIGURE 3 EVAPORATION POND



SUMMARY OF QUARTERLY TREATMENT ZONE MONITORING JULY 2008

LANDFARM I.D.	SAMPLE I.D.	SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (ft.)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	XYLENE (mg/kg)	TPH (GRO, DRO, AND MRO)			Chloride (mgkg)
									C6-C10 (mg/kg)	C10-C22 (mg/kg)	C22-C32 (mg/kg)	
CELL #1	#1	N 36°23.375' W 106°52.056'	07/21/08	2	<0.050	<0.050	<0.050	<0.10	5.4	2,000	1,700	8
CELL #2	#2	N 36°23.408' W 106°52.011'	07/21/08	2	<0.050	<0.050	<0.050	<0.10	<5.0	3,000	1,700	14
CELL #3	#3	N 36°23.380' W 106°51.956'	07/21/08	2	<0.050	<0.050	<0.050	<0.10	88	7,100	2,400	5.5
CELL #4		NOT IN USE, NO SAMPLE	07/21/08									

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

N

AES
Animas Environmental Services, LLC

DRAWN BY: N. Willis	DATE DRAWN: May 29, 2008
REVISIONS BY: C. Lameman	DATE REVISED: September 18, 2008
CHECKED BY: L. Cupps	DATE CHECKED: September 18, 2008
APPROVED BY: E. McNally	DATE APPROVED: September 18, 2008

FIGURE 2
BENSON-MONTIN-GREER CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY MONITORING LOCATIONS JULY 2008
NW1/4, NW1/4, SEC. 20, T25N, R1E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

S:\ANIMAS 2000\2008 PROJECTS\BMG\LANDFARM\DRAWINGS\072108 SAMPLING

Water Sampling Record

Monitor Well No: **MW-1**

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project:	BMG Land Farm Sampling	**Project No.:**	
Site:	Evaporation Pond	**Date:**	7-21-08
Location:	Llaves, NM	**Time:**	1252
Sampler:	NW	**Weather:**	Partly Cloudy
Sampling Method:	~~No~~ Purge	**Air Temperature:**	85°F
Depth of Well (ft):	45.55	**Well Diam. (in.):**	2
Depth to Water (ft):	38.11	**Site Elevation (ft):**	

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1256	13.16	2.287	5.91	6.61	173.2	0.25	
1259	12.65	2.267	5.78	6.61	171.8	1	
1302	12.18	2.236	4.85	6.57	173.2	1	
1308							Samples Collected

Analytical Parameters Sampled For (include Method #):

BTEX/GRO/DRO by 8021/8015 (4) 40mL VOAs with HCl and (1) 40mL VOA unpreserved

Total Metals by 6010 (1) 500mL poly with HNO3

Chlorides and TDS (1) 500mL poly unpreserved

Disposal of Purged Water:	On asphalt or concrete pavement
Chain of Custody Record Complete? (Y/N)	Yes
Analytical Laboratory:	Hall Environmental Analysis Lab, Albuquerque, NM
Equipment Used During Sampling:	Keck Water Level; YSI Water Qualtity Meter;

Other Notes/Comments

Water Sampling Record

Monitor Well No: **MW-2**

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project:	BMG Land Farm Sampling	**Project No.:**	
Site:	Evaporation Pond	**Date:**	7-21-08
Location:	Llaves, NM	**Time:**	1314
Sampler:	NW	**Weather:**	Partly Cloudy
Sampling Method:	Purge	**Air Temperature:**	85°F
Depth of Well (ft):	45.54	**Well Diam. (in.):**	2
Depth to Water (ft):	39.21	**Site Elevation (ft):**	

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1319	12.23	1.664	2.84	6.72	155.7	0.25	
1322	12.23	1.636	3.13	6.69	156.7	1	
1325	11.72	1.632	3.23	6.69	158.4	1	
1330							Samples collected

Analytical Parameters Sampled For (include Method #):

BTEX/GRO/DRO by 8021/8015 (4) 40mL VOAs with HCl and (1) 40mL VOA unpreserved

Total Metals by 6010 (1) 500mL poly with HNO3

Chlorides and TDS (1) 500mL poly unpreserved

Disposal of Purged Water:	On asphalt or concrete pavement
Chain of Custody Record Complete? (Y/N)	Yes
Analytical Laboratory:	Hall Environmental Analysis Lab, Albuquerque, NM
Equipment Used During Sampling:	Keck Water Level; YSI Water Qualtity Meter;

Other Notes/Comments

Water Sampling Record

Monitor Well No: **MW-3**

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project:	BMG Land Farm Sampling	**Project No.:**	
Site:	Evaporation Pond	**Date:**	7-21-08
Location:	Llaves, NM	**Time:**	1336
Sampler:	NW	**Weather:**	Cloudy
Sampling Method:		**Air Temperature:**	78°F
Depth of Well (ft):	45.59	**Well Diam. (in.):**	2
Depth to Water (ft):	38.49	**Site Elevation (ft):**	

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1340	12.86	1.589	3.22	7.28	175.9	0.25	
1343	12.56	1.568	3.10	7.04	180.2	1	
1346	12.44	1.567	3.69	6.82	184.6	1	
1352	—					—	Samples Collected

Analytical Parameters Sampled For (include Method #):

BTEX/GRO/DRO by 8021/8015 (4) 40mL VOAs with HCl and (1) 40mL VOA unpreserved

Total Metals by 6010 (1) 500mL poly with HNO3

Chlorides and TDS (1) 500mL poly unpreserved

Disposal of Purged Water:	On asphalt or concrete pavement
Chain of Custody Record Complete? (Y/N)	Yes
Analytical Laboratory:	Hall Environmental Analysis Lab, Albuquerque, NM
Equipment Used During Sampling:	Keck Water Level; YSI Water Qualtity Meter; and New Disposable Bailer

Other Notes/Comments

Water Sampling Record

Monitor Well No: **MW-4**

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project:	BMG Land Farm Sampling	**Project No.:**	
Site:	Evaporation Pond	**Date:**	7-21-08
Location:	Llaves, NM	**Time:**	1220
Sampler:	NW	**Weather:**	Partly Cloudy
Sampling Method:	Purge	**Air Temperature:**	85°F
Depth of Well (ft):	45.60	**Well Diam. (in.):**	2
Depth to Water (ft):	38.91	**Site Elevation (ft):**	

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1229	15.30	9.199	8.25	7.86	123.9	0.25	
1232	12.78	2.082	9.23	7.76	139.7	1	
1235	12.38	1.975	8.59	7.26	163.3	1	
1240	—						Samples collected

Analytical Parameters Sampled For (include Method #):

BTEX/GRO/DRO by 8021/8015 (4) 40mL VOAs with HCl and (1) 40mL VOA unpreserved

Total Metals by 6010 (1) 500mL poly with HNO3

Chlorides and TDS (1) 500mL poly unpreserved

Disposal of Purged Water:	On asphalt or concrete pavement
Chain of Custody Record Complete? (Y/N)	Yes
Analytical Laboratory:	Hall Environmental Analysis Lab, Albuquerque, NM
Equipment Used During Sampling:	Keck Water Level; YSI Water Qualtity Meter; and New Disposable Bailer

Other Notes/Comments

Water Sampling Record

Monitor Well No: **Interstitial Well**

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project:	BMG Land Farm Sampling	**Project No.:**	
Site:	Evaporation Pond	**Date:**	7-21-08
Location:	Llaves, NM	**Time:**	1150
Sampler:	NW	**Weather:**	Cloudy
Sampling Method:	Purge	**Air Temperature:**	82°F
Depth of Well (ft):	12.10'	**Well Diam. (in.):**	2 8"
Depth to Water (ft):	9.61'	**Site Elevation (ft):**	

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1155	19.07	351.4	0.63	6.32	221.0	0.25	
1158	18.85	363.8	0.35	6.44	213.3	1	
1201	18.68	362.7	0.20	6.51	-26.1	1	
1206							Samples Collected

Analytical Parameters Sampled For (include Method #):

BTEX/GRO/DRO by 8021/8015 (4) 40mL VOAs with HCl and (1) 40mL VOA unpreserved

Total Metals by 6010 (1) 500mL poly with HNO3

Chlorides and TDS (1) 500mL poly unpreserved

Disposal of Purged Water:	On asphalt or concrete pavement
Chain of Custody Record Complete? (Y/N)	Yes
Analytical Laboratory:	Hall Environmental Analysis Lab, Albuquerque, NM
Equipment Used During Sampling:	Keck Water Level; YSI Water Qualtity Meter;

Other Notes/Comments

Chain-of-Custody Record

Client: Animas Environmental Svc

Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: BMC Landfarm

Project #:

Project Manager: Lary Cupps

Sampler: Nathan Willis

On Ice: ☐ Yes ☐ No

Sample Temperature: _____

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + ~~MTBE + TMB's~~ (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F^-, Cl^-, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chlorides TDS	Total Metals 6010	pH, Conductivity	Mercury 7471A	Air Bubbles (Y or N)
7/21/08	1056	Cell #1@2'	8oz 2x16mL	<6°C MeOH		X		X					X					X	X	X	
	1114	Cell #2@2'	4oz	<6°C		X		X					X					X	X	X	
	1133	Cell #3@2'				X		X					X					X	X	X	
	1308	MW-1	1x500mL 1x500mL	HNO_3 <6°C		X		X									X	X			
	1330	MW-2	4x40mL	HCl		X		X									X	X			
	1352	MW-3	1x40mL	<6°C		X		X									X	X			
7/21/08	1240	MW-4				X		X									X	X			
2	1206	Interstitial well				X		X									X	X			
7/17/08	1704	Trip Blank	2x40mL	HCl		X															

Date:	Time:	Relinquished by:	Received by:
7/21/08	1630	Nathan Willis	L. Cupps
7/22/08	1030	Sandrea R. Cupps	

Remarks: Shipped via Greyhound.
Call w/ questions.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, August 06, 2008

Lany Cupps
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm

Order No.: 0807301

Dear Lany Cupps:

Hall Environmental Analysis Laboratory, Inc. received 9 sample(s) on 7/22/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. **Date:** *06-Aug-08*

CLIENT: Animas Environmental Services
Project: BMG Landfarm
Lab Order: 0807301

CASE NARRATIVE

The pH of the VOAs for MW-2 was 7.0.

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #1 @ 2'
Lab Order:	0807301.	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 10:56:00 AM
Lab ID:	0807301-01A **Date Received:** 7/22/2008	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	2000	100		mg/Kg	10	7/25/2008 9:52:20 AM
Motor Oil Range Organics (MRO)	1700	500		mg/Kg	10	7/25/2008 9:52:20 AM
Surr: DNOP	76.2	61.7-135		%REC	10	7/25/2008 9:52:20 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	5.4	5.0		mg/Kg	1	7/24/2008 1:08:53 AM
Surr: BFB	93.3	84-138		%REC	1	7/24/2008 1:08:53 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	7/24/2008 1:08:53 AM
Toluene	ND	0.050		mg/Kg	1	7/24/2008 1:08:53 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/24/2008 1:08:53 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/24/2008 1:08:53 AM
Surr: 4-Bromofluorobenzene	101	81.4-117		%REC	1	7/24/2008 1:08:53 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #1 @ 2'
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 10:56:00 AM
Lab ID:	0807301-01B **Date Received:** 7/22/2008	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	ND	1.5		mg/Kg	5	7/30/2008 1:46:06 AM
Chloride	8.0	1.5		mg/Kg	5	7/30/2008 1:46:06 AM
Sulfate	8.8	7.5		mg/Kg	5	7/30/2008 1:46:06 AM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	ND	0.033		mg/Kg	1	7/31/2008 3:58:12 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **NMO**
Arsenic	ND	12		mg/Kg	5	7/30/2008 8:46:47 AM
Barium	81	0.50		mg/Kg	5	7/30/2008 8:46:47 AM
Cadmium	ND	0.50		mg/Kg	5	7/30/2008 8:46:47 AM
Chromium	7.4	1.5		mg/Kg	5	7/30/2008 8:46:47 AM
Lead	5 2	1.2		mg/Kg	5	7/30/2008 8:46:47 AM
Selenium	ND	12		mg/Kg	5	7/30/2008 8:46:47 AM
Silver	ND	1.2		mg/Kg	5	7/30/2008 8:46:47 AM
SPECIFIC CONDUCTANCE						Analyst: **TAF**
Specific Conductance	360	1.0		µmhos/cm	1	8/5/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.67	0.1		pH Units	1	7/25/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #2 @ 2'
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 11:14:00 AM
Lab ID:	0807301-02A **Date Received:** 7/22/2008	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	3000	100		mg/Kg	10	7/25/2008 10:26:26 AM
Motor Oil Range Organics (MRO)	1700	500		mg/Kg	10	7/25/2008 10:26:26 AM
Surr: DNOP	70.1	61.7-135		%REC	10	7/25/2008 10:26:26 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5 0		mg/Kg	1	7/24/2008 3:09:19 AM
Surr: BFB	89.4	84-138		%REC	1	7/24/2008 3:09:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	7/24/2008 3:09:19 AM
Toluene	ND	0.050		mg/Kg	1	7/24/2008 3:09:19 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/24/2008 3:09:19 AM
Xylenes, Total	ND	0 10		mg/Kg	1	7/24/2008 3:09:19 AM
Surr: 4-Bromofluorobenzene	96.4	81.4-117		%REC	1	7/24/2008 3:09:19 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #2 @ 2'
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 11:14:00 AM
Lab ID:	0807301-02B **Date Received:** 7/22/2008	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	2.4	1.5		mg/Kg	5	7/30/2008 2:38:20 AM
Chloride	14	1.5		mg/Kg	5	7/30/2008 2:38:20 AM
Sulfate	130	7.5		mg/Kg	5	7/30/2008 2:38:20 AM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	ND	0.033		mg/Kg	1	7/31/2008 4:03:02 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **NMO**
Arsenic	ND	12		mg/Kg	5	7/30/2008 8:49:15 AM
Barium	92	0.50		mg/Kg	5	7/30/2008 8:49:15 AM
Cadmium	ND	0.50		mg/Kg	5	7/30/2008 8:49:15 AM
Chromium	9.2	1.5		mg/Kg	5	7/30/2008 8:49:15 AM
Lead	7.3	1.2		mg/Kg	5	7/30/2008 8:49:15 AM
Selenium	ND	12		mg/Kg	5	7/30/2008 8:49:15 AM
Silver	ND	1.2		mg/Kg	5	7/30/2008 8:49:15 AM
SPECIFIC CONDUCTANCE						Analyst: **TAF**
Specific Conductance	650	1.0		µmhos/cm	1	8/5/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.97	0.1		pH Units	1	7/25/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #3 @ 2'
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 11:33:00 AM
Lab ID:	0807301-03A	**Date Received:** 7/22/2008	**Matrix:** MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	7100	100		mg/Kg	10	7/25/2008 11:00:49 AM
Motor Oil Range Organics (MRO)	2400	500		mg/Kg	10	7/25/2008 11:00:49 AM
Surr: DNOP	128	61.7-135		%REC	10	7/25/2008 11.00:49 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	88	50		mg/Kg	10	7/24/2008 3:39:24 AM
Surr: BFB	115	84-138		%REC	10	7/24/2008 3:39:24 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.50		mg/Kg	10	7/24/2008 3:39:24 AM
Toluene	ND	0.50		mg/Kg	10	7/24/2008 3:39:24 AM
Ethylbenzene	ND	0.50		mg/Kg	10	7/24/2008 3:39:24 AM
Xylenes, Total	ND	1.0		mg/Kg	10	7/24/2008 3.39:24 AM
Surr: 4-Bromofluorobenzene	100	81.4-117		%REC	10	7/24/2008 3:39:24 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #3 @ 2'
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 11:33:00 AM
Lab ID:	0807301-03B **Date Received:** 7/22/2008	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	ND	1.5		mg/Kg	5	7/30/2008 3:30:34 AM
Chloride	5 5	1 5		mg/Kg	5	7/30/2008 3:30:34 AM
Sulfate	2200	75		mg/Kg	50	7/30/2008 1:14:58 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	0.033	0.033		mg/Kg	1	7/31/2008 4:04:38 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **NMO**
Arsenic	ND	12		mg/Kg	5	7/30/2008 8:51:42 AM
Barium	77	0.50		mg/Kg	5	7/30/2008 8:51:42 AM
Cadmium	ND	0.50		mg/Kg	5	7/30/2008 8:51:42 AM
Chromium	7.2	1.5		mg/Kg	5	7/30/2008 8:51:42 AM
Lead	11	1.2		mg/Kg	5	7/30/2008 8:51:42 AM
Selenium	ND	12		mg/Kg	5	7/30/2008 8:51:42 AM
Silver	ND	1.2		mg/Kg	5	7/30/2008 8:51:42 AM
SPECIFIC CONDUCTANCE						Analyst: **TAF**
Specific Conductance	1200	1.0		µmhos/cm	1	8/5/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.53	0 1		pH Units	1	7/25/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 1:08:00 PM
Lab ID:	0807301-04A **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/29/2008 3:24:52 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/29/2008 3:24:52 PM
Surr: DNOP	105	58-140		%REC	1	7/29/2008 3.24:52 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/28/2008 12:12:43 PM
Surr: BFB	91.1	79.2-121		%REC	1	7/28/2008 12:12:43 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	7/28/2008 12:12:43 PM
Toluene	ND	1.0		µg/L	1	7/28/2008 12:12:43 PM
Ethylbenzene	ND	1 0		µg/L	1	7/28/2008 12:12:43 PM
Xylenes, Total	ND	2.0		µg/L	1	7/28/2008 12:12:43 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2008 12:12:43 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2008 12:12:43 PM
Surr: 4-Bromofluorobenzene	97.1	68.9-122		%REC	1	7/28/2008 12.12:43 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 1:08:00 PM
Lab ID:	0807301-04B **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	64	1 0		mg/L	10	7/28/2008 10:59:34 AM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	830	20		mg/L	1	7/24/2008

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 1:08:00 PM
Lab ID:	0807301-04C **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/29/2008 5:03:16 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	7/28/2008 4:52:48 PM
Barium	0.17	0.020		mg/L	1	7/28/2008 4:52:48 PM
Cadmium	ND	0.0020		mg/L	1	7/28/2008 4:52:48 PM
Chromium	ND	0.0060		mg/L	1	7/28/2008 4:52:48 PM
Lead	0.0079	0.0050		mg/L	1	7/28/2008 4:52:48 PM
Selenium	ND	0.050		mg/L	1	7/28/2008 4:52:48 PM
Silver	ND	0.0050		mg/L	1	7/28/2008 4:52:48 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 1:30:00 PM
Lab ID:	0807301-05A **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/29/2008 4:00:07 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/29/2008 4:00:07 PM
Surr: DNOP	104	58-140		%REC	1	7/29/2008 4:00:07 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/28/2008 12:42:51 PM
Surr: BFB	89.9	79.2-121		%REC	1	7/28/2008 12:42:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	7/28/2008 12:42:51 PM
Toluene	ND	1.0		µg/L	1	7/28/2008 12:42:51 PM
Ethylbenzene	ND	1.0		µg/L	1	7/28/2008 12:42:51 PM
Xylenes, Total	ND	2.0		µg/L	1	7/28/2008 12:42:51 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2008 12:42:51 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2008 12:42:51 PM
Surr: 4-Bromofluorobenzene	94.9	68.9-122		%REC	1	7/28/2008 12:42:51 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 1:30:00 PM
Lab ID:	0807301-05B **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	40	1.0		mg/L	10	7/28/2008 11:16:59 AM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	640	40		mg/L	1	7/24/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 1:30:00 PM
Lab ID:	0807301-05C **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/29/2008 4:39:46 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	7/28/2008 4:55:43 PM
Barium	0.18	0.020		mg/L	1	7/28/2008 4:55:43 PM
Cadmium	ND	0.0020		mg/L	1	7/28/2008 4:55.43 PM
Chromium	ND	0.0060		mg/L	1	7/28/2008 4:55:43 PM
Lead	0.010	0.0050		mg/L	1	7/28/2008 4:55.43 PM
Selenium	ND	0 050		mg/L	1	7/28/2008 4:55:43 PM
Silver	ND	0.0050		mg/L	1	7/28/2008 4:55:43 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 1:52:00 PM
Lab ID:	0807301-06A **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/29/2008 4:35:22 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/29/2008 4:35:22 PM
Surr: DNOP	106	58-140		%REC	1	7/29/2008 4:35:22 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/28/2008 1:12:53 PM
Surr: BFB	90.3	79.2-121		%REC	1	7/28/2008 1:12:53 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	7/28/2008 1:12 53 PM
Toluene	ND	1.0		µg/L	1	7/28/2008 1:12:53 PM
Ethylbenzene	ND	1.0		µg/L	1	7/28/2008 1:12:53 PM
Xylenes, Total	ND	2.0		µg/L	1	7/28/2008 1:12.53 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2008 1:12:53 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2008 1:12:53 PM
Surr: 4-Bromofluorobenzene	95.0	68.9-122		%REC	1	7/28/2008 1:12:53 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 1:52:00 PM
Lab ID:	0807301-06B **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	38	1.0		mg/L	10	7/28/2008 11:34:23 AM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	610	40		mg/L	1	7/24/2008

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 1:52:00 PM
Lab ID:	0807301-06C **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/29/2008 4:43.23 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	7/28/2008 4:58:36 PM
Barium	0.22	0.020		mg/L	1	7/28/2008 4:58:36 PM
Cadmium	ND	0.0020		mg/L	1	7/28/2008 4:58:36 PM
Chromium	ND	0.0060		mg/L	1	7/28/2008 4:58:36 PM
Lead	0.010	0.0050		mg/L	1	7/28/2008 4:58:36 PM
Selenium	ND	0.050		mg/L	1	7/28/2008 4:58:36 PM
Silver	ND	0.0050		mg/L	1	7/28/2008 4:58:36 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 12:40:00 PM
Lab ID:	0807301-07A **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/29/2008 5:10:20 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/29/2008 5:10:20 PM
Surr: DNOP	108	58-140		%REC	1	7/29/2008 5:10:20 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/28/2008 1:43:07 PM
Surr: BFB	90.2	79.2-121		%REC	1	7/28/2008 1:43:07 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	7/28/2008 1:43:07 PM
Toluene	ND	1.0		µg/L	1	7/28/2008 1:43:07 PM
Ethylbenzene	ND	1.0		µg/L	1	7/28/2008 1:43:07 PM
Xylenes, Total	ND	2.0		µg/L	1	7/28/2008 1:43:07 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2008 1:43:07 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2008 1:43:07 PM
Surr: 4-Bromofluorobenzene	95.9	68.9-122		%REC	1	7/28/2008 1:43:07 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 12:40:00 PM
Lab ID:	0807301-07B **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	57	1.0		mg/L	10	7/28/2008 11:51:47 AM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	770	100		mg/L	1	7/24/2008

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 12:40:00 PM
Lab ID:	0807301-07C **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/29/2008 4:48:55 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	7/28/2008 5:01:31 PM
Barium	0 34	0.020		mg/L	1	7/28/2008 5:01:31 PM
Cadmium	ND	0.0020		mg/L	1	7/28/2008 5:01:31 PM
Chromium	ND	0.0060		mg/L	1	7/28/2008 5:01:31 PM
Lead	0.0078	0.0050		mg/L	1	7/28/2008 5:01:31 PM
Selenium	ND	0.050		mg/L	1	7/28/2008 5:01:31 PM
Silver	ND	0.0050		mg/L	1	7/28/2008 5:01:31 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Interstitial Well
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 12:06:00 PM
Lab ID:	0807301-08A **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	8.8	3.0		mg/L	1	7/29/2008 5:45:14 PM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	7/29/2008 5:45:14 PM
Surr: DNOP	105	58-140		%REC	1	7/29/2008 5:45:14 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1.0	0.25		mg/L	5	7/28/2008 11 12:43 AM
Surr: BFB	96.7	79.2-121		%REC	5	7/28/2008 11:12:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	5.0		µg/L	5	7/28/2008 11.12:43 AM
Toluene	12	5.0		µg/L	5	7/28/2008 11:12:43 AM
Ethylbenzene	ND	5.0		µg/L	5	7/28/2008 11:12:43 AM
Xylenes, Total	ND	10		µg/L	5	7/28/2008 11:12:43 AM
1,2,4-Trimethylbenzene	7.4	5.0		µg/L	5	7/28/2008 11:12:43 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	7/28/2008 11:12:43 AM
Surr: 4-Bromofluorobenzene	100	68.9-122		%REC	5	7/28/2008 11:12:43 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Interstitial Well
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 12:06:00 PM
Lab ID:	0807301-08B **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	120000	500		mg/L	5000	7/28/2008 1:18:50 PM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	210000	40		mg/L	1	7/24/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Interstitial Well
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	7/21/2008 12:06:00 PM
Lab ID:	0807301-08C **Date Received:** 7/22/2008	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00080		mg/L	1	7/29/2008 4:50:45 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	1.0		mg/L	50	7/28/2008 5:34:54 PM
Barium	240	10		mg/L	500	7/29/2008 11:51:50 AM
Cadmium	0.88	0.10		mg/L	50	7/28/2008 5:34:54 PM
Chromium	ND	0.30		mg/L	50	7/28/2008 5:34:54 PM
Lead	0.35	0.25		mg/L	50	7/28/2008 5:34:54 PM
Selenium	ND	2.5		mg/L	50	7/28/2008 5:34:54 PM
Silver	ND	0.25		mg/L	50	7/28/2008 5:34:54 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Trip Blank
Lab Order:	0807301	**Tag Number:**	
Project:	BMG Landfarm	**Collection Date:**	
Lab ID:	0807301-09A	**Date Received:** 7/22/2008	**Matrix:** TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/28/2008 2:13:09 PM
Surr: BFB	91.6	79.2-121		%REC	1	7/28/2008 2:13:09 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	7/28/2008 2:13:09 PM
Toluene	ND	1.0		µg/L	1	7/28/2008 2:13:09 PM
Ethylbenzene	ND	1.0		µg/L	1	7/28/2008 2:13:09 PM
Xylenes, Total	ND	2.0		µg/L	1	7/28/2008 2:13:09 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2008 2:13:09 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2008 2:13:09 PM
Surr: 4-Bromofluorobenzene	97.4	68.9-122		%REC	1	7/28/2008 2:13:09 PM

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Landfarm **Work Order:** 0807301

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: 0807301-01BMSD		*MSD*			Batch ID.	**16611**	Analysis Date:		7/30/2008 2:20.56 AM
Fluoride	1.695	mg/Kg	1.5	49.0	80	120	14.2	20	S
Chloride	21.24	mg/Kg	1.5	88.6	70.7	122	1.33	20	
Sulfate	36.40	mg/Kg	7.5	92.1	70	130	0 786	20	
Sample ID: MB-16611		*MBLK*			Batch ID:	**16611**	Analysis Date:		7/29/2008 5:03:49 PM
Fluoride	ND	mg/Kg	0.30						
Chloride	ND	mg/Kg	0.30						
Sulfate	ND	mg/Kg	1.5						
Sample ID: LCS-16611		*LCS*			Batch ID:	**16611**	Analysis Date:		7/29/2008 5.21:14 PM
Fluoride	1 515	mg/Kg	0.30	101	90	110			
Chloride	14.11	mg/Kg	0.30	94.0	90	110			
Sulfate	29.20	mg/Kg	1.5	97.3	90	110			
Sample ID: 0807301-01BMS		*MS*			Batch ID:	**16611**	Analysis Date:		7/30/2008 2.03.31 AM
Fluoride	ND	mg/Kg	1.5	34.0	80	120			S
Chloride	21.52	mg/Kg	1.5	90.5	70.7	122			
Sulfate	36.12	mg/Kg	7.5	91.2	70	130			
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R29511**	Analysis Date:		7/25/2008 10 36:39 AM
Chloride	ND	mg/L	0.10						
Sample ID: MB		*MBLK*			Batch ID:	**R29535**	Analysis Date:		7/28/2008 9.49:56 AM
Chloride	ND	mg/L	0 10						
Sample ID: LCS		*LCS*			Batch ID:	**R29511**	Analysis Date:		7/25/2008 10:54:03 AM
Chloride	4.970	mg/L	0.10	99.4	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29535**	Analysis Date:		7/28/2008 10:07:21 AM
Chloride	4.603	mg/L	0.10	92 1	90	110			
Method: EPA Method 8015B: Diesel Range Organics									
Sample ID: MB-16562		*MBLK*			Batch ID:	**16562**	Analysis Date:		7/24/2008 11:25:41 AM
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-16562		*LCS*			Batch ID:	**16562**	Analysis Date:		7/24/2008 12:00:03 PM
Diesel Range Organics (DRO)	39.81	mg/Kg	10	79.6	64.6	116			
Sample ID: LCSD-16562		*LCSD*			Batch ID:	**16562**	Analysis Date:		7/24/2008 12:34:27 PM
Diesel Range Organics (DRO)	41.94	mg/Kg	10	83 9	64.6	116	5.22	17.4	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Landfarm **Work Order:** 0807301

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-16591		*MBLK*			Batch ID:	**16591**	Analysis Date:	7/29/2008 1:40.15 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-16591		*LCS*			Batch ID:	**16591**	Analysis Date:	7/29/2008 2:14:53 PM	
Diesel Range Organics (DRO)	6.401	mg/L	1.0	128	74	157			
Sample ID: LCSD-16591		*LCSD*			Batch ID:	**16591**	Analysis Date:	7/29/2008 2:49.53 PM	
Diesel Range Organics (DRO)	6.595	mg/L	1 0	132	74	157	2.98	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: MB-16511		*MBLK*			Batch ID:	**16511**	Analysis Date:	7/23/2008 8:08:31 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29508**	Analysis Date:	7/28/2008 8:39:23 AM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-16511		*LCS*			Batch ID.	**16511**	Analysis Date:	7/23/2008 7.08:21 PM	
Gasoline Range Organics (GRO)	26 44	mg/Kg	5.0	94.7	69.5	120			
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R29508**	Analysis Date:	7/28/2008 9:14:52 PM	
Gasoline Range Organics (GRO)	28.75	mg/Kg	5 0	115	69.5	120			
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 0807301-05A MSD		*MSD*			Batch ID:	**R29508**	Analysis Date:	7/28/2008 8:44:48 PM	
Gasoline Range Organics (GRO)	0.4806	mg/L	0.050	96 1	80	115	3 03	8.39	
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29508**	Analysis Date:	7/28/2008 8:39:23 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID.	**R29508**	Analysis Date:	7/28/2008 9:14:52 PM	
Gasoline Range Organics (GRO)	0 5750	mg/L	0.050	115	80	115			
Sample ID: 0807301-05A MS		*MS*			Batch ID.	**R29508**	Analysis Date.	7/28/2008 8:14:27 PM	
Gasoline Range Organics (GRO)	0.4954	mg/L	0.050	99.1	80	115			

Qualifiers:

- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Landfarm **Work Order:** 0807301

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: MB-16534		*MBLK*			Batch ID.	**16534**	Analysis Date:	7/24/2008 2:39:05 AM	
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0 10						
Sample ID: 5ML RB		*MBLK*			Batch ID.	**R29508**	Analysis Date:	7/28/2008 8:39:23 AM	
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: LCS-16534		*LCS*			Batch ID:	**16534**	Analysis Date:	7/24/2008 5:39:12 AM	
Benzene	0.2698	mg/Kg	0.050	96.4	78.8	132			
Toluene	1.893	mg/Kg	0.050	94.6	78.9	112			
Ethylbenzene	0.3822	mg/Kg	0.050	95.6	69 3	125			
Xylenes, Total	2.259	mg/Kg	0.10	98.2	73	128			
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R29508**	Analysis Date:	7/28/2008 7:14:14 PM	
Benzene	1.054	mg/Kg	0.050	105	78.8	132			
Toluene	1.064	mg/Kg	0.050	106	78 9	112			
Ethylbenzene	1.075	mg/Kg	0.050	107	69.3	125			
Xylenes, Total	3.197	mg/Kg	0.10	107	73	128			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Landfarm **Work Order:** 0807301

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 0807301-04A MSD		*MSD*			Batch ID:	**R29508**	Analysis Date:		7/28/2008 6:44 07 PM
Benzene	20 92	µg/L	1.0	105	85.9	113	0 211	27	
Toluene	21.07	µg/L	1.0	105	86.4	113	0.399	19	
Ethylbenzene	21.30	µg/L	1.0	107	83.5	118	0.537	10	
Xylenes, Total	62.57	µg/L	2.0	104	83.4	122	1 20	13	
1,2,4-Trimethylbenzene	19.94	µg/L	1.0	99.7	83.5	115	1.72	21	
1,3,5-Trimethylbenzene	20.05	µg/L	1.0	100	85.2	113	0.140	10	
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29508**	Analysis Date:		7/28/2008 8:39:23 AM
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R29508**	Analysis Date:		7/28/2008 7:14:14 PM
Benzene	21.08	µg/L	1.0	105	85.9	113			
Toluene	21.28	µg/L	1.0	106	86.4	113			
Ethylbenzene	21.50	µg/L	1.0	107	83.5	118			
Xylenes, Total	63.94	µg/L	2 0	107	83.4	122			
1,2,4-Trimethylbenzene	21.32	µg/L	1.0	107	83.5	115			
1,3,5-Trimethylbenzene	20.22	µg/L	1.0	101	85.2	113			
Sample ID: 0807301-04A MS		*MS*			Batch ID:	**R29508**	Analysis Date:		7/28/2008 6:14:03 PM
Benzene	20.87	µg/L	1.0	104	85 9	113			
Toluene	20.99	µg/L	1.0	105	86 4	113			
Ethylbenzene	21.19	µg/L	1.0	106	83.5	118			
Xylenes, Total	63.33	µg/L	2.0	106	83.4	122			
1,2,4-Trimethylbenzene	20.28	µg/L	1.0	101	83.5	115			
1,3,5-Trimethylbenzene	20.08	µg/L	1.0	100	85.2	113			
Method: EPA Method 7471: Mercury									
Sample ID: MBLK-16638		*MBLK*			Batch ID:	**16638**	Analysis Date:		7/31/2008 3:50:11 PM
Mercury	ND	mg/Kg	0.033						
Sample ID: LCS1-16638		*LCS*			Batch ID:	**16638**	Analysis Date:		7/31/2008 3:51:44 PM
Mercury	0.1677	mg/Kg	0.033	101	80	120			
Method: EPA Method 7470: Mercury									
Sample ID: MBLK-16607		*MBLK*			Batch ID:	**16607**	Analysis Date:		7/29/2008 4:10:35 PM
Mercury	ND	mg/L	0.00020						
Sample ID: MBLK-16607		*MBLK*			Batch ID:	**16607**	Analysis Date:		7/29/2008 4:10.35 PM
Mercury	ND	mg/L	0.00020						
Sample ID: LCS1-16607		*LCS*			Batch ID:	**16607**	Analysis Date:		7/29/2008 4:12:25 PM
Mercury	0.004630	mg/L	0.00020	92.6	80	120			
Sample ID: LCS1-16607		*LCS*			Batch ID:	**16607**	Analysis Date:		7/29/2008 4:12:25 PM
Mercury	0.004630	mg/L	0.00020	92.6	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Landfarm **Work Order:** 0807301

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Soil Metals									
Sample ID: MB-16600		*MBLK*			Batch ID:	**16600**	Analysis Date:	7/30/2008 7:28:25 AM	
Arsenic	ND	mg/Kg	2.5						
Barium	ND	mg/Kg	0.10						
Cadmium	ND	mg/Kg	0.10						
Chromium	ND	mg/Kg	0.30						
Lead	ND	mg/Kg	0.25						
Selenium	ND	mg/Kg	2.5						
Silver	ND	mg/Kg	0 25						
Sample ID: LCS-16600		*LCS*			Batch ID:	**16600**	Analysis Date:	7/30/2008 7:32:33 AM	
Arsenic	25.66	mg/Kg	2.5	103	80	120			
Barium	25.22	mg/Kg	0.10	101	80	120			
Cadmium	25.54	mg/Kg	0.10	102	80	120			
Chromium	25.80	mg/Kg	0.30	103	80	120			
Lead	25.72	mg/Kg	0.25	103	80	120			
Selenium	25.86	mg/Kg	2.5	103	80	120			
Silver	25.07	mg/Kg	0.25	100	80	120			
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-16581		*MBLK*			Batch ID:	**16581**	Analysis Date:	7/28/2008 3:47:42 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0 0020						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sample ID: LCS-16581		*LCS*			Batch ID:	**16581**	Analysis Date:	7/28/2008 3:50:45 PM	
Arsenic	0.5096	mg/L	0.020	102	80	120			
Barium	0.4878	mg/L	0.010	97.6	80	120			
Cadmium	0.5035	mg/L	0.0020	101	80	120			
Chromium	0 5021	mg/L	0.0060	100	80	120			
Lead	0.4886	mg/L	0.0050	97.7	80	120			
Selenium	0.4864	mg/L	0.050	97.3	80	120			
Silver	0.5096	mg/L	0.0050	101	80	120			
Method: SM 2540C Total Dissolved Solids									
Sample ID: MB-16567		*MBLK*			Batch ID:	**16567**	Analysis Date:	7/24/2008	
Total Dissolved Solids	ND	mg/L	20						
Sample ID: LCS-16567		*LCS*			Batch ID:	**16567**	Analysis Date:	7/24/2008	
Total Dissolved Solids	1025	mg/L	20	102	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL | Date Received: 7/22/2008

Work Order Number 0807301 | Received by: AT

Checklist completed by: _____ 7/22/08 | Sample ID labels checked by: _____

Signature | Date | Initials

Matrix: | Carrier name Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	5°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Animas Environmental Svc

Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: BMG Landfarm

Project #:

Project Manager: Larry Cupps

Sampler: Nathan Willis

On Ice: ☒ Yes ☐ No

Sample Temperature: 5°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0807301	BTEX ~~+ MTBE + TMB's~~ (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chlorides/TDS	Total Metals RCRA 8 6010	pH Conductivity	Mercury 7471A	Air Bubbles (Y or N)
7/21/08	1056	Cell #1 @ 2'	8oz 2x10mL	<6°C MeOH	-1	X		X					X					X	X	X	
	1114	Cell #2 @ 2'	4oz	<6°C	-2	X		X					X					X	X	X	
	1133	Cell #3 @ 2'			-3	X		X					X					X	X	X	
	1308	MW-1	1x500mL 1x500mL	HNO3 <6°C	-4	X		X									X	X			
	1330	MW-2	4x40mL	HCl	-5	X		X									X	X			
	1352	MW-3	1x40mL	<6°C	-6	X		X									X	X			
7/21/08	1240	MW-4			-7	X		X									X	X			
	1206	Interstitial Well			-8	X		X									X	X			
7/17/08	1704	Trip Blank	2x40mL	HCl	-9	X															

Date:	Time:	Relinquished by:	Received by:
7/21/08	1630	Nathan Willis/aec	L. Cupps
7/22/08	1030	Landrea R. Cupps	[signature] 7/22/08 1255

Remarks: Shipped via Greyhound.
- Call w/ questions.
Will analyze for RCRA 8 metals 7/23/08

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

AES Animas Environmental Services, LLC
624 E. Comanche . Farmington, NM 87401 . TEL 505-564-2281 . FAX 505-324-2022 . www.animasenvironmental.com

Prepared for:
Brad Jones
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

Brandon Powell
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

SITE INVESTIGATION REPORT
Homestead Ranch #2 Well Location

Benson Montin Greer
SW¼ SW¼ of Section 34, T25N, R2W
Rio Arriba County, New Mexico

July 11, 2008

Prepared on behalf of:
Benson-Montin-Greer Drilling Corporation
4900 College Blvd.
Farmington, New Mexico 87402

Prepared by:
Animas Environmental Services, LLC
624 E. Comanche
Farmington, New Mexico 87401

Contents

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Appendices

1.0 Introduction

Animas Environmental Services, LLC (AES), on behalf of Benson Montin Greer Drilling Corporation (BMG), has prepared this Site Investigation Report for BMG's Homestead Ranch #2 well location located within the SW¼, SW¼ of Section 34, T25N, R2W, Rio Arriba County, New Mexico. A topographic location map is included as Figure 1. On January 8, 2008, BMG personnel discovered that a valve failure on a 400 barrel (bbl) condensate tank, identified as Tank #2 on the site plan included as Figure 2, had leaked approximately 40 bbls into the earthen secondary containment area. The spill was reported to Mr. Brandon Powell of the New Mexico Oil Conservation Division (NMOCD) on February 25, 2008.

2.0 Site Information

2.1 Site Location

The BMG Homestead Ranch #2 well location is located in the SW¼, SW¼ of Section 34, T25N, R2W, Rio Arriba County, New Mexico, and is part of the Gavilan gathering area. A topographical location map is included as Figure 1, and a site plan including the spill investigation area is presented as Figure 2.

2.2 Spill History

On January 8, 2008, BMG personnel discovered that a valve failure on a 400 barrel (bbl) condensate tank, identified as Tank #2 on the site plan included as Figure 2, had leaked approximately 40 bbls into the earthen secondary containment area. The spill was reported to Mr. Brandon Powell, NMOCD, on February 25, 2008. BMG's Killer B Roust-a-Bout crew excavated approximately three cubic yards of contaminated soil and transferred it to the BMG Centralized Surface Waste Management Facility for disposal. No free liquids were recovered from the secondary containment area.

3.0 Geology and Hydrogeology

3.1 Geology

Rio Arriba County, New Mexico, is located along the southeastern margin of the San Juan Basin portion of the Colorado Plateau physiographic province. The San Juan Basin is a large structural depression encompassing approximately 22,000 square miles and contains deep Tertiary fill resting on rocks of Late Cretaceous age. The lithography consists primarily of the Mesa Verde Formation, composed primarily of sandstones. The topography is broad and mostly flat, surrounded by mountains and deep canyons. Major rivers carved deep canyons and mesas, and physical erosion from wind and water chipped and polished the exposed rocks in the canyons.

The regional geology is predominately Late Cretaceous coastal plains and shoreline and marine units that were deposited along the western margin of the interior seaway. The shallow inland sea transgressed and regressed over a period of 250 million years, depositing the Dakota Sandstone and Mancos Shale units. The Dakota Sandstone records the

alternating rise (shale) and fall (sandstones) of sea level as the shoreline moved back and forth across the area about 98 to 100 million years ago. The long-term rise in sea level deposited rocks of the Mancos Group, which from oldest to youngest, include the Graneros Shale, Greenhorn Limestone, and Carlile Shale. Gradually the sea level dropped again, and the shoreline retreated to the northeast, as deposition of the Mesaverde Group began. The Mesaverde Group consists of alternating sandstones, siltstones, and coal deposited by rivers flowing into the shallow sea.

3.2 Hydrogeology

Locally, shallow groundwater is encountered within the valleys and canyons at depths less than 100 feet and is typically associated with arroyos, which can be incised as much as 20 feet below the valley floor. Depth to groundwater is estimated to range between 60 feet and 80 feet below the ground surface (bgs) in the area where the spill occurred.

4.0 Site Investigation – April 2008

On April 24, 2008, site investigation activities were performed in order to delineate the full extent of petroleum hydrocarbon impact on surface and subsurface soils resulting from the spill. The investigation procedures included the installation of five soil borings in and around the spill area from which soil samples were collected. Work was completed in accordance with U.S. Environmental Protection Agency (USEPA) Environmental Response Team's Standard Operating Procedures (SOPs) and applicable American Society of Testing and Materials (ASTM) standards

4.1 Utilities Notification

AES utilized the New Mexico One-Call system to identify and mark all underground utilities at the site before initiating drilling activities.

4.2 Notification

AES notified Mike Dimond of BMG and Brandon Powell of NMOCD via letter before starting field activities.

4.3 Health and Safety Plan

Prior to the start of the site investigation activities, AES prepared and implemented a comprehensive site-specific Health and Safety Plan (HASP) addressing the site investigation activities and associated soil and groundwater sampling. All employees and subcontractors were required to read and sign the HASP to acknowledge their understanding of the information contained within the HASP. The HASP was implemented and enforced on site by the assigned Site Safety and Health Officer. Daily tailgate meetings were held and documented during field activities and addressed site-specific health and safety concerns or issues.

4.4 Installation and Sampling of Soil Borings

On April 24, 2008, AES installed five soil borings in and around the area of the spill in order to define the lateral and vertical extent of near surface and subsurface soil contamination. All soil borings (TH-1 through TH-5) were installed with a direct push rig. Borings ranged in depth from 44 feet below ground surface (bgs) to 48 feet bgs. None of the soil borings were completed as monitoring wells because groundwater was not encountered. The locations of soil borings are presented on Figure 2.

4.4.1 Drilling Methods

Soil borings TH-1 through TH-5, were advanced with a DT 6620 track-mounted direct push rig, manufactured by Geoprobe®, and equipped with a 2-inch outer diameter (OD) core barrel. Earth Worx, Los Lunas, New Mexico, completed the direct push drilling.

4.4.2 Soil Sample Collection

Soil samples were collected with a 4-foot disposable sleeve and each boring was logged for lithology and sampled continuously for field screening of volatile organic compounds (VOCs) with a photo-ionization detector (PID) organic vapor meter (OVM). Additionally, soil samples were collected from the borings for laboratory analysis.

For each soil boring, a Soil Boring Log was completed. These logs recorded sample depth and method of collection, as well as observations of soil moisture, color, density, grain size, plasticity, contaminant presence, and overall stratigraphy.

Soil sample collection was completed in strict accordance with USEPA Environmental Response Team's SOPs. Field soil boring logs are included in Appendix A.

4.4.3 Field Screening

Samples were collected at intervals of approximately four feet from each boring. These samples were field screened for volatile organic vapors utilizing a PID-OVM calibrated with isobutylene gas.

Once collected, the soil samples to be field screened were immediately placed in a clean one-gallon Ziploc bag and allowed to warm up to approximately 80°F. Approximately ten minutes was allowed for the soil to be heated and for any VOCs in the soil to accumulate in the headspace of the Ziploc bag. During the initial stages of headspace development, the sample was gently shaken for one minute to promote vapor development and disaggregate the sample. Volatile gases were then measured by carefully opening the Ziploc bag and inserting the sample probe of the PID-OVM. The highest (peak) measurements were recorded onto the Soil Boring Logs. All field screening was completed in strict accordance with USEPA Environmental Response Team's SOPs.

4.4.4 Laboratory Analyses - Soil

Soil samples collected from borings were submitted to an EPA-approved laboratory, Hall Environmental Analysis Laboratory (Hall), Albuquerque, New Mexico, for laboratory analysis of the following parameters:

- Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) – EPA Method 8021

- Total Petroleum Hydrocarbons (TPH) (C_6-C_{36}) Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and Motor Oil Range Organics (MRO) – EPA Method 8015 Modified

Once collected, sample containers were packed with ice in insulated coolers and shipped via Greyhound bus at less than 6°C to the analyzing laboratory. For all laboratory samples, quality assurance and quality control (QA/QC) procedures, sample preservation, apparatus required, and analyses performed were in accordance with USEPA Document EPA-600, "Methods for Chemical Analysis for Water and Wastes" dated July 1982; and USEPA document SW-846, 3rd Edition, "Test Methods for Evaluating Solid Waste: Physical Chemical Methods", dated November 1986.

5.0 Results

5.1 Soil

5.1.1 Lithology

Soil lithology was observed to consist of interbedded layers of pale brown and red-brown sands and brown sandy clays throughout the site. Soil boring logs are included in Appendix A and geologic cross sections are shown on Figure 3.

5.1.2 Field Results

Soil samples collected from the soil borings were field-screened for VOCs with a PID-OVM. OVM readings were at or near background levels for all samples collected from TH-2 and TH-5. Background OVM readings ranged from 0.0 parts per million (ppm) to 0.1 ppm. Details of PID-OVM readings above background levels are as follows:

- **TH-1** OVM readings ranged from 0.0 ppm at 48 feet bgs (terminal depth) to 2,080 ppm at 12 feet bgs.
- **TH-3** OVM readings above background levels were noted at 32 feet bgs (31.6 ppm) and 36 feet bgs (50.4 ppm).
- **TH-4** OVM readings above background levels were noted at 39 feet bgs (48.1 ppm).

PID readings were recorded on the soil boring logs, which are included in Appendix A and are also presented on Figure 3.

5.1.3 Analytical Results

Soil samples were collected for laboratory analysis from the terminal depths of the borings and from intervals determined to be representative by the site supervisor. Remediation action levels promulgated by NMOCD for oil spills and releases (August 13, 1993) were utilized as action levels for soil characterization. The NMOCD remediation action levels for total BTEX are 50 mg/kg and 100 mg/kg for TPH.

Soil analytical results showed that soil samples collected from TH-1 at 1 foot bgs and 20 feet bgs and TH-2 at 12 feet bgs had BTEX concentrations above NMOCD Action Levels with 71.2 mg/kg total BTEX, 118.2 mg/kg total BTEX, and 611 mg/kg total BTEX, respectively.

Total BTEX concentrations from remaining soil samples were either below laboratory detection limits or well below the applicable action level of 50 mg/kg total BTEX.

The NMOCD Action Levels for TPH (100 mg/kg) were also exceeded in three samples, TH-1 at 1 foot bgs (14,860 mg/kg) and 20 feet bgs (1,479 mg/kg) and TH-2 at 12 feet bgs (832 mg/kg). TPH concentrations in remaining soil samples were below laboratory detection limits and well below the applicable action level of 100 mg/kg total TPH.

The analytical results for the soil samples collected have been tabulated and are presented in Table 1 and on Figure 2. Soil analytical laboratory reports are presented in Appendix B.

6.0 Conclusion and Recommendations

A total of five soil borings were installed by AES on April 24, 2008. Soils were found to consist of interbedded layers of pale brown and red-brown sands and brown sandy clays throughout the site, and groundwater was not encountered. Soil petroleum hydrocarbon contamination is evident in TH-1 (below the area of the spill) and in TH-2 (along the eastern berm). Soil contaminant concentrations exceeded NMOCD action levels for total BTEX and TPH in TH-1 and TH-2. The highest total BTEX concentration was reported at 611 mg/kg in TH-2 at 12 feet bgs and the highest TPH concentration was reported at 14,860 mg/kg in TH-1 at 1 foot bgs.

Based upon the results of the April 2008 site investigation associated with the BMG Homestead Ranch #2 well location, it appears that significant petroleum hydrocarbon contaminated soil from the surface to approximately 30 feet bgs within the area around the storage tanks will require remediation. Because of the known vertical extent of contaminant impact AES believes that the residual soil contaminates would most appropriately and cost effectively be removed by mechanical soil vapor extraction, rather than excavation and off-site disposal, which would require temporarily relocating the storage tanks and then excavating a large area in order to safely reach 30 feet bgs.

Therefore, within 30 days, AES will submit a corrective action plan (CAP) outlining proposed remedial efforts at the site to NMOCD for review.

7.0 Certification

I, the undersigned, am personally familiar with the information submitted in this Site Investigation report, prepared on behalf of Benson-Montin-Greer for the April 2008 site activities associated with the Homestead Ranch #2 Well Location spill in Rio Arriba County, New Mexico. I attest that it is true and complete to the best of my knowledge.

Sandrea R. Cupps

Lany Cupps
Project Manager

Ross Kennemer
Environmental Scientist

8.0 References

U.S. Environmental Protection Agency (USEPA). 1982. *Methods for Chemical Analysis for Water and Wastes.* Document EPA-600, July, 1982.

USEPA. 1992. SW-846, 3rd Edition, *Test Methods for Evaluating Solid Waste: Physical Chemical Methods*, dated November, 1986, and as amended by Update One, July, 1992.

USEPA. 1991. *Site Characterization for Subsurface Remediation*, EPA 625/4-91-026, November, 1991.

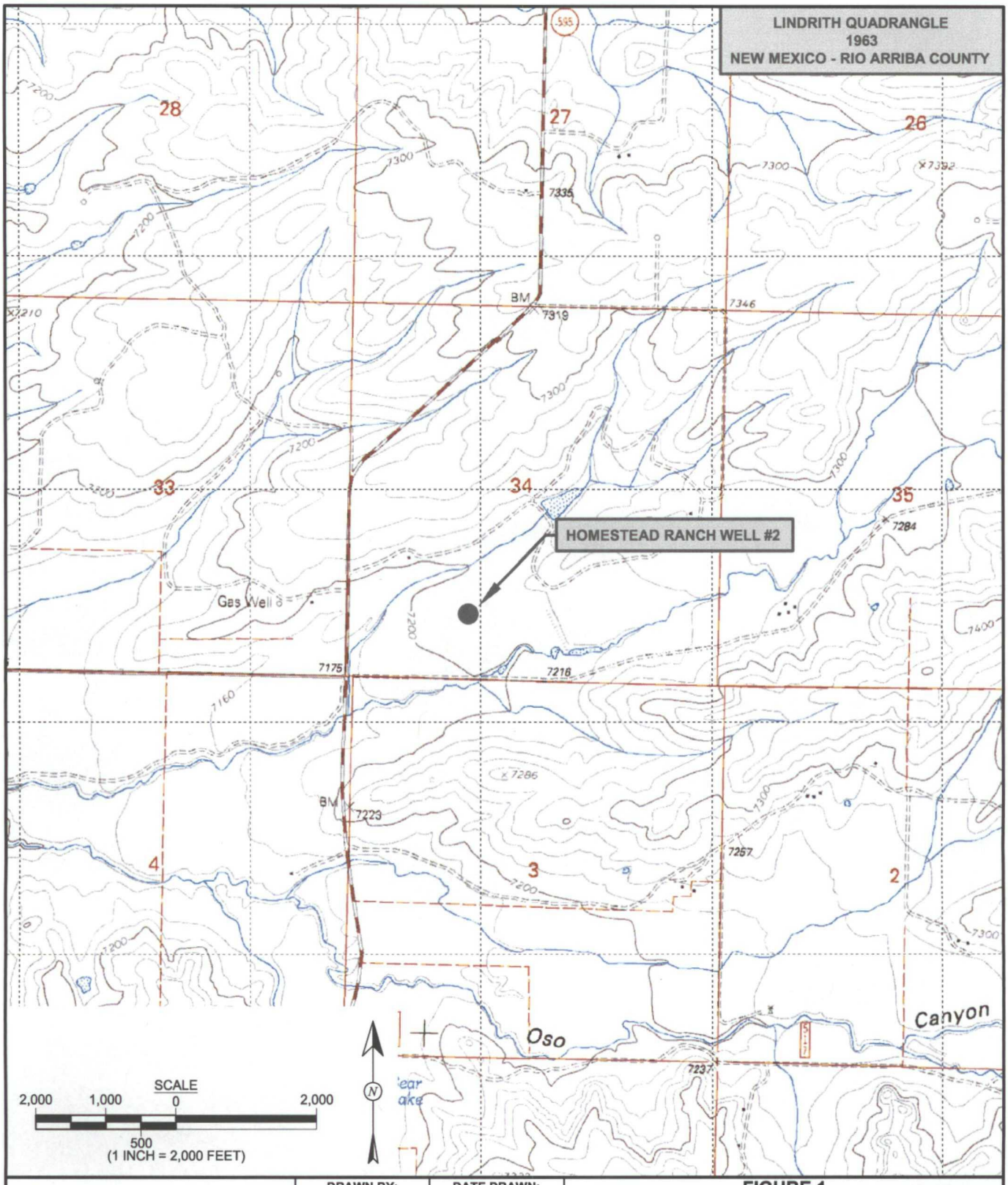
USEPA. 1997. *Expedited Site Assessment Tools for Underground Storage Tank Sites.* OSWER 5403G and EPA 510B-97-001, March, 1997.

USEPA. 2001. Contract Laboratory Program (CLP) Guidance for Field Samplers. OSWER 9240.0-35, EPA 540-R-00-003. June, 2001.

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
BMG Homestead Ranch Well #2 Location
Rio Arriba County, New Mexico

Sample I.D.	Date Sampled	Depth	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DRO	GRO	MRO
		(feet)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
		Analytical Method	8021B	8021B	8021B	8021B	8015B	8015B	8015B
		USEPA Region 6 Screening Levels	1.6	520	230	210	NE	NE	NE
		NMOCD Action Level	50				100		
TH-1	24-Apr-08	1	1.1	12	6.1	52	9,200	860	4,800
TH-1	24-Apr-08	20	4.2	32	11	71	79	1,400	<50
TH-1	24-Apr-08	40	<0.050	<0.050	<0.050	0.18	<10	<5.0	<50
TH-1	24-Apr-08	48	0.072	0.45	0.18	3.0	<10	12	<50
TH-2	24-Apr-08	12	15	140	56	400	230	550	52
TH-2	24-Apr-08	20	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-2	24-Apr-08	44	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-3	24-Apr-08	20	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-3	24-Apr-08	32	<0.050	<0.050	<0.050	0.11	<10	<5.0	<50
TH-3	24-Apr-08	44	<0.050	0.27	<0.050	0.50	<10	<5.0	<50
TH-4	24-Apr-08	20	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-4	24-Apr-08	44	<0.050	<0.050	<0.050	0.40	<10	<5.0	<50
TH-5	24-Apr-08	24	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-5	24-Apr-08	34	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-5	24-Apr-08	44	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50

NOTE: NE = Not Established

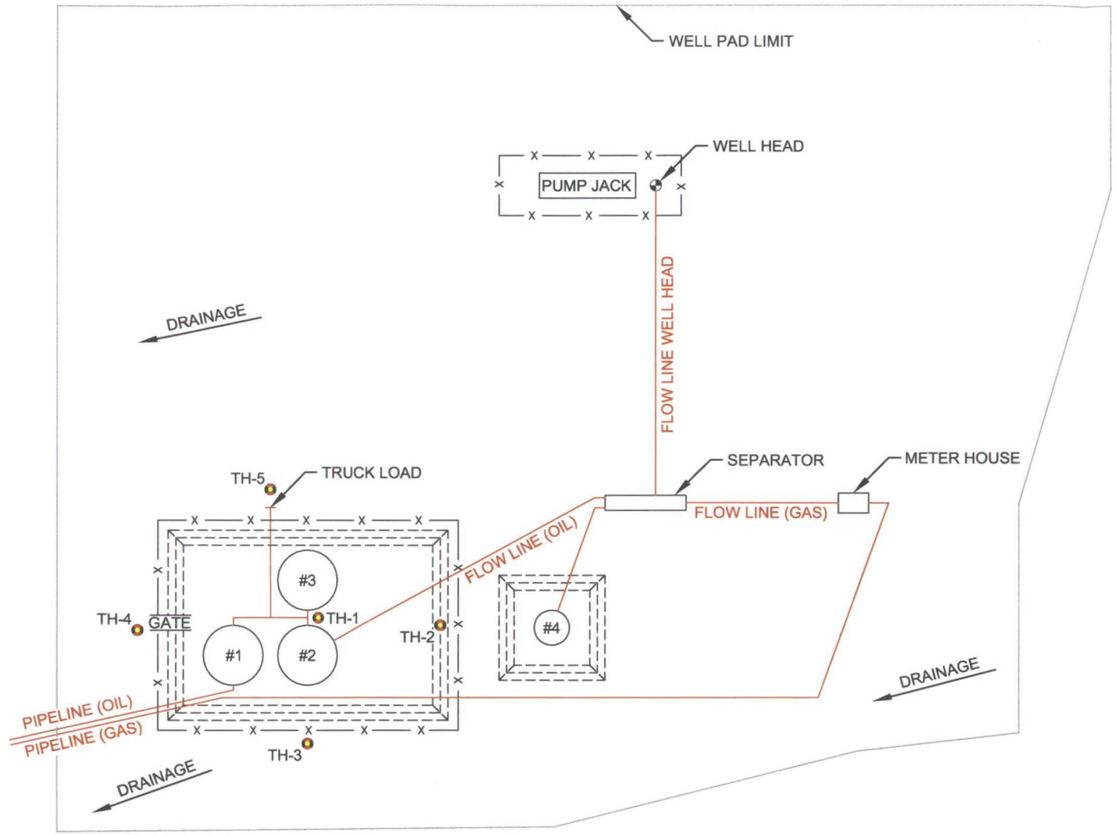


DRAWN BY: N. Willis	**DATE DRAWN:** June 4, 2008
REVISIONS BY: N. Willis	**DATE REVISED:** July 11, 2008
CHECKED BY: R. Kennemer	**DATE CHECKED:** July 11, 2008
APPROVED BY: R. Kennemer	**DATE APPROVED:** July 11, 2008

AES
Animas Environmental Services, LLC

FIGURE 1
TOPOGRAPHICAL SITE LOCATION MAP
BENSON-MONTIN-GREER
LLAVES PIPELINE
HOMESTEAD RANCH WELL #2
SW ¼, SW ¼, SEC. 34, T25N, R2W
RIO ARRIBA COUNTY, NEW MEXICO
N 36° 20.989', W 107° 02.399'

S:\ANIMAS 2000\2008 PROJECTS\BMG\HOMESTEAD RANCH\DRAWINGS\FIGURE 1 TOPOGRAPHICAL SITE LOCATION MAP



STORAGE TANKS

#1 12 ft. x 20 ft., 400 BBL., STEEL, CONTAINS OIL

#2 12 ft. x 20 ft., 400 BBL., STEEL, CONTAINS OIL

#3 12 ft. x 20 ft., 400 BBL., STEEL, CONTAINS OIL

#4 7 ft. x 10 ft., 88 BBL., FIBERGLASS WITH STEEL TOP, CONTAINS OIL AND WATER

SUMMARY OF SOIL ANALYTICAL RESULTS
BMG HOMESTEAD RANCH WELL #2 LOCATION
RIO ARRIBA COUNTRY, NEW MEXICO

Sample I.D.	Date Sampled	Depth	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DRO	GRO	MRO
		(feet)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Analytical Method			8021B	8021B	8021B	8021B	8015B	8015B	8015B
USEPA Region 6 Screening Levels			1.6	520	230	210	NE	NE	NE
NMOCD Action Level			50				100		
TH-1	24-Apr-08	1	1.1	12	6.1	52	9,200	860	4,800
TH-1	24-Apr-08	20	4.2	32	11	71	79	1,400	<50
TH-1	24-Apr-08	40	<0.050	<0.050	<0.050	0.18	<10	<5.0	<50
TH-1	24-Apr-08	48	0.072	0.45	0.18	3.0	<10	12	<50
TH-2	24-Apr-08	12	15	140	56	400	230	550	52
TH-2	24-Apr-08	20	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-2	24-Apr-08	44	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-3	24-Apr-08	20	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-3	24-Apr-08	32	<0.050	<0.050	<0.050	0.11	<10	<5.0	<50
TH-3	24-Apr-08	44	<0.050	0.27	<0.050	0.50	<10	<5.0	<50
TH-4	24-Apr-08	20	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-4	24-Apr-08	44	<0.050	<0.050	<0.050	0.40	<10	<5.0	<50
TH-5	24-Apr-08	24	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-5	24-Apr-08	34	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50
TH-5	24-Apr-08	44	<0.050	<0.050	<0.050	<0.10	<10	<5.0	<50

NOTE: NE = Not Established

LEGEND

FENCE

SOIL BERMS

TEST HOLE BORINGS (INSTALLED APRIL 2008)

SCALE
30 20 0 30
10
(1 INCH = 30 FEET)

N

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DRAWN BY:	DATE DRAWN:
N. Willis	June 4, 2008
REVISIONS BY:	DATE REVISED:
N. Willis	July 11, 2008
CHECKED BY:	DATE CHECKED:
R. Kennemer	July 11, 2008
APPROVED BY:	DATE APPROVED:
R. Kennemer	July 11, 2008

FIGURE 2
SITE PLAN AND SOIL SAMPLING RESULTS
BENSON-MONTIN-GREER
LLAVES PIPELINE
HOMESTEAD RANCH WELL #2
SW ¼, SW ¼, SEC. 34, T25N, R2W
RIO ARRIBA COUNTY, NEW MEXICO
N 36° 20.989', W 107° 02.399'

S:\ANIMAS 2000\2008 PROJECTS\BMG\HOMESTEAD RANCH\DRAWINGS\FIGURE 2 GENERAL SITE PLAN

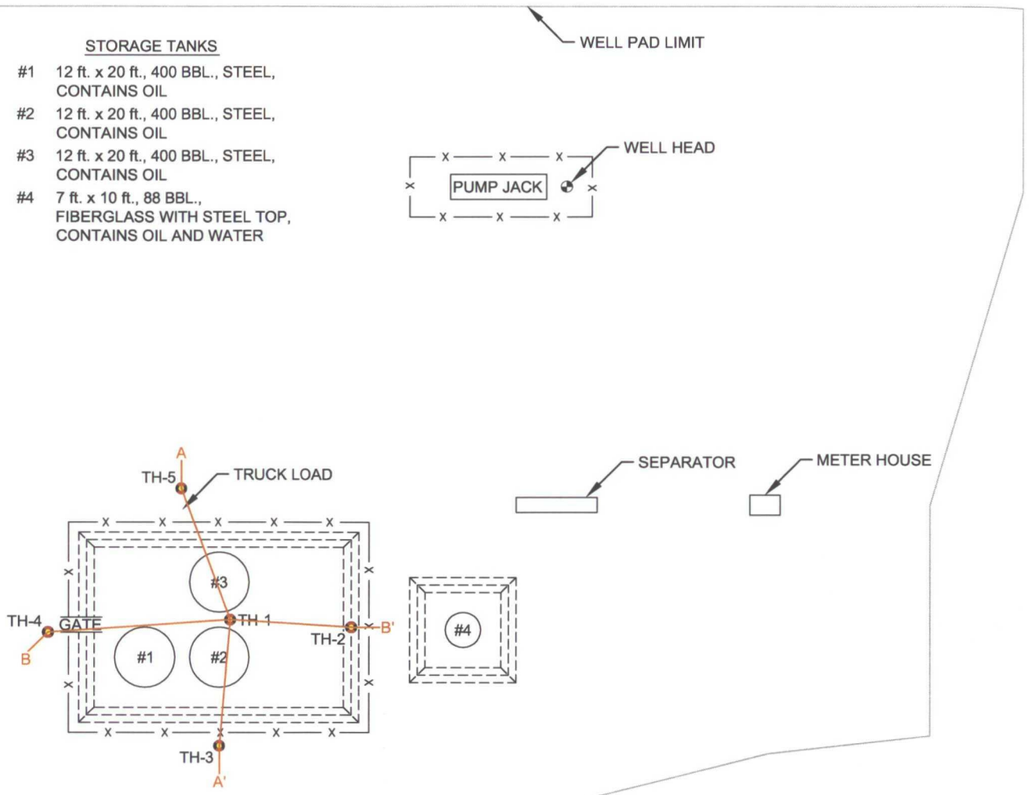
STORAGE TANKS

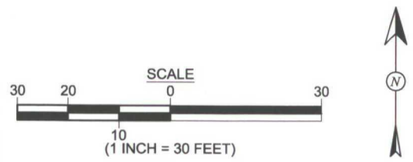
#1 12 ft. x 20 ft., 400 BBL., STEEL, CONTAINS OIL

#2 12 ft. x 20 ft., 400 BBL., STEEL, CONTAINS OIL

#3 12 ft. x 20 ft., 400 BBL., STEEL, CONTAINS OIL

#4 7 ft. x 10 ft., 88 BBL., FIBERGLASS WITH STEEL TOP, CONTAINS OIL AND WATER





LEGEND

FENCE

SOIL BERMS

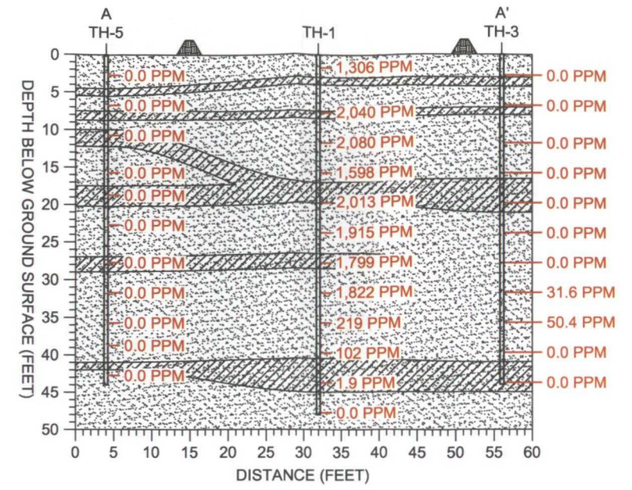
TEST HOLE BORINGS (INSTALLED APRIL 2008)

GEOLOGICAL CROSS SECTION LINES

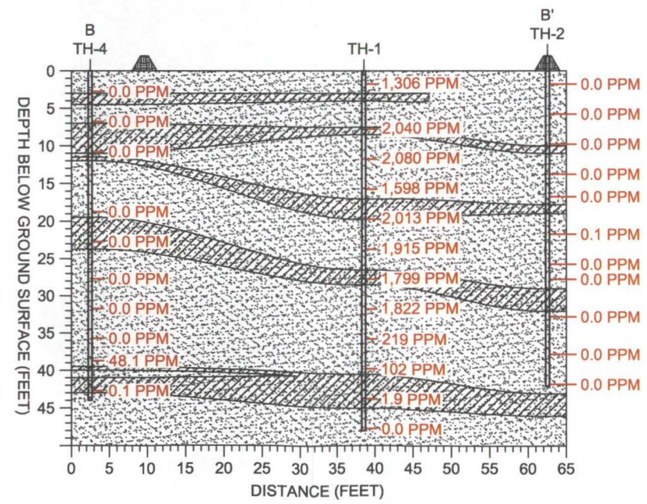
SAND

SANDY CLAY

1,306 PPM — ORGANIC VAPOR METER READING IN PARTS PER MILLION (SOIL SAMPLES)



↑ NOT TO SCALE ↓



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DRAWN BY:	DATE DRAWN:
N. Willis	June 4, 2008
REVISIONS BY:	DATE REVISED:
N. Willis	July 11, 2008
CHECKED BY:	DATE CHECKED:
R. Kennemer	July 11, 2008
APPROVED BY:	DATE APPROVED:
R. Kennemer	July 11, 2008

FIGURE 3
GEOLOGICAL CROSS SECTIONS AND SOIL FIELD SCREENING RESULTS
BENSON-MONTIN-GREER
LLAVES PIPELINE
HOMESTEAD RANCH WELL #2
SW ¼, SW ¼, SEC. 34, T25N, R2W
RIO ARRIBA COUNTY, NEW MEXICO
N 36° 20.989', W 107° 02.399'

S:\ANIMAS 2000\2008 PROJECTS\BMG\HOMESTEAD RANCH\DRAWINGS\FIGURE 3 GEOLOGICAL CROSS SECTIONS

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LOG OF: TH-1

Benson-Montin-Greer
Homestead Ranch Well #2 Location
SW1/4, SW1/4, Sec. 34, T25N, R2W
Lindreth, Rio Arriba County, New Mexico

Date Started	04/24/08	Latitude	
Date Completed	04/24/08	Longitude	
Hole Diameter	: 2 in.	Survey By	AES
Drilling Method	: Geoprobe	Logged By	Ross Kennemer
Sampling Method	: 4' Core		

Depth in Feet	Surf. Elev. 0	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0	0	SP		SAND, pale brown, very fine grained, loose, dry, hydrocarbon stained, some hydrocarbon odor	
		SP		SAND, pale brown, very fine grained, loose, moist, strong hydrocarbon odor	1,306
		SC		SANDY CLAY, brown, stiff, moist, strong hydrocarbon odor	
4	-4	SP		SAND, pale brown, fine grained, loose, moist, strong hydrocarbon odor	
8	-8	SC		SANDY CLAY, brown, stiff, moist, strong hydrocarbon odor	2,040
		SP		SAND, pale brown, fine grained, loose, moist, strong hydrocarbon odor	
12	-12				2,080
16	-16	SP		SAND, Well Sorted, red-brown, loose, moist, strong hydrocarbon odor	1,598
		SC		SANDY CLAY, brown, stiff, moist, strong hydrocarbon odor	
20	-20	SP		SAND, pale brown, fine grained, loose, moist, strong hydrocarbon odor	2,013
24	-24	SP		SAND, Well Sorted, red-brown, loose, moist, strong hydrocarbon odor	1,915
		SP		SAND, pale brown, fine grained, loose, moist, strong hydrocarbon odor	
28	-28	SC		SANDY CLAY, brown, stiff, moist, strong hydrocarbon odor	1,799
32	-32	SP		SAND, pale brown, fine grained, loose, moist, strong hydrocarbon odor	1,822
36	-36	SP		SAND, Well Sorted, red-brown, loose, moist, less hydrocarbon odor than above	219
		SP		SAND, pale brown, fine grained, loose, dry, no hydrocarbon odor	
40	-40				102
44	-44	SC		SANDY CLAY, brown, stiff, dry, no hydrocarbon odor	1 9
		SP		SAND, Well Sorted, red-brown, loose, dry, no hydrocarbon odor	
48					0.0

07-11-2008 S:\Animas 2000\2008 Projects\BMG\Homestead Ranch\Boring Logs\TH-1 bor

AES
Animas Environmental Services, LLC

LOG OF: TH-2

Benson-Montin-Greer
Homestead Ranch Well #2 Location
SW1/4, SW1/4, Sec. 34, T25N, R2W
Lindreth, Rio Arriba County, New Mexico

Date Started	: 04/24/08	Latitude	:
Date Completed	: 04/24/08	Longitude	:
Hole Diameter	: 2 in.	Survey By	AES
Drilling Method	Geoprobe	Logged By	: Ross Kennemer
Sampling Method	: 4' Core		

Depth in Feet	Surf. Elev. 0	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0	0	SP		SAND, pale brown, very fine grained, loose, dry (top of containment berm - 2 feet high)	
		SP		SAND, pale brown, very fine grained, loose, moist	
4	-4	SP		SAND, Well Sorted, red-brown, loose, moist	0 0
8	-8				0.0
12	-12	SC		SANDY CLAY, brown, stiff, moist	0 0
		SP		SAND, pale brown, fine grained, loose, moist	
16	-16	SC		SAND, Well Sorted, red-brown, loose, moist,	0 0
					0.0
20	-20	SC		SANDY CLAY, brown, stiff, moist	
		SP		SAND, pale brown, fine grained, loose, moist	
24	-24	SP		SAND, Well Sorted, red-brown, loose, moist	0 1
28	-28	SP		SAND, pale brown, fine grained, loose, moist	0.0
					0 0
32	-32	SC		SANDY CLAY, brown, stiff, moist	
		SP		SAND, pale brown, fine grained, loose, moist	0.0
36	-36	SP		SAND, Well Sorted, red-brown, loose, moist	
		SP		SAND, pale brown, fine grained, loose, dry	
40	-40	SP		SAND, Well Sorted, red-brown, loose, dry	0.0
44					0.0

07-11-2008 S:\Animas 2000\2008 Projects\BMG\Homestead Ranch\Boring Logs\TH-2 bor

AES
Animas Environmental Services, LLC

LOG OF: TH-3

Benson-Montin-Greer
Homestead Ranch Well #2 Location
SW1/4, SW1/4, Sec. 34, T25N, R2W
Lindreth, Rio Arriba County, New Mexico

Date Started	04/24/08	Latitude	
Date Completed	04/24/08	Longitude	
Hole Diameter	2 in.	Survey By	AES
Drilling Method	Geoprobe	Logged By	Ross Kennemer
Sampling Method	4' Core		

Depth in Feet	Surf Elev 0	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0	0	SP		SAND, pale brown, very fine grained, loose, dry	
		SP		SAND, pale brown, fine grained, loose, moist	0 0
4	-4	SC		SANDY CLAY, brown, stiff, moist	
		SP		SAND, pale brown, fine grained, loose, moist	0.0
8	-8	SC		SANDY CLAY, brown, stiff, moist	
		SP		SAND, pale brown, fine grained, loose, moist	
12	-12				0.0
16	-16	SP		SAND, Well Sorted, red-brown, loose, moist	0.0
		SC		SANDY CLAY, brown, stiff, moist	
20	-20				0.0
		SP		SAND, pale brown, fine grained, loose, moist	
		SP		SAND, Well Sorted, red-brown, loose, moist	
24	-24				0.0
		SP		SAND, pale brown, fine grained, loose, dry	
28	-28				0 0
		SP		SAND, Well Sorted, red-brown, loose, dry	
32	-32				31 6
36	-36				50 4
40	-40				0.0
		SP		SAND, pale brown, fine grained, loose, moist	
		SC		SANDY CLAY, brown, stiff, moist	
44					0.0

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AES
Animas Environmental Services, LLC

LOG OF: TH-4

Benson-Montin-Greer
Homestead Ranch Well #2 Location
SW1/4, SW1/4, Sec. 34, T25N, R2W
Lindreth, Rio Arriba County, New Mexico

Date Started	: 04/24/08	Latitude	:
Date Completed	: 04/24/08	Longitude	:
Hole Diameter	: 2 in.	Survey By	: AES
Drilling Method	Geoprobe	Logged By	: Ross Kennemer
Sampling Method	: 4' Core		

Depth in Feet	Surf Elev 0	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0	0	SP		SAND, pale brown, very fine grained, loose, dry	
		SP		SAND, pale brown, fine grained, loose, moist	0 0
4	-4	SC		SANDY CLAY, brown, stiff, moist	
		SP		SAND, Well Sorted, red-brown, loose, moist	0 0
8	-8	SC		SANDY CLAY, brown, stiff, moist	0.0
12	-12	SP		SAND, pale brown, fine grained, loose, moist	
		SC		SANDY CLAY, brown, stiff, moist	
		SP		SAND, Well Sorted, red-brown, loose, moist	
16	-16	SP		SAND, pale brown, fine grained, loose, moist	0.0
		SP		SAND, Well Sorted, red-brown, loose, moist	
		SP		SAND, pale brown, fine grained, loose, dry	0.0
20	-20	SC		SANDY CLAY, brown, stiff, moist	0 0
24	-24	SP		SAND, Well Sorted, red-brown, loose, moist	
28	-28				0 0
32	-32				0 0
		SP		SAND, Well Sorted, red-brown, loose, dry	
36	-36				0 0
		SP		SAND, pale brown, fine grained, loose, moist	48 1
40	-40	SC		SANDY CLAY, brown, stiff, moist	
		SP		SAND, Well Sorted, red-brown, loose, dry	
		SC		SANDY CLAY, brown, stiff, moist	0.1
44		SP		SAND, Well Sorted, red-brown, loose, moist	

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AES
Animas Environmental Services, LLC

LOG OF: TH-5

Benson-Montin-Greer
Homestead Ranch Well #2 Location
SW1/4, SW1/4, Sec. 34, T25N, R2W
Lindreth, Rio Arriba County, New Mexico

Date Started	: 04/24/08	Latitude	
Date Completed	: 04/24/08	Longitude	
Hole Diameter	: 2 in.	Survey By	AES
Drilling Method	: Geoprobe	Logged By	: Ross Kennemer
Sampling Method	4' Core		

Depth in Feet	Surf. Elev 0	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0	0	SP		SAND, pale brown, very fine grained, loose, dry, dark staining	
4	-4	SP		SAND, pale brown, fine grained, loose, moist, no staining	0.0
		SC		SANDY CLAY, brown, stiff, moist	
		SP		SAND, Well Sorted, red-brown, loose, moist	0.0
8	-8	SC		SANDY CLAY, brown, stiff, moist	
		SP		SAND, pale brown, fine grained, loose, moist	
12	-12	SC		SANDY CLAY, brown, stiff, moist	0.0
16	-16	SP		SAND, Well Sorted, red-brown, loose, moist	0.0
20	-20	SC		SANDY CLAY, brown, stiff, moist	0.0
		SP		SAND, pale brown, fine grained, loose, moist	0.0
24	-24	SP		SAND, Well Sorted, red-brown, loose, moist	
28	-28	SC		SANDY CLAY, brown, stiff, moist	0 0
32	-32	SP		SAND, pale brown, fine grained, loose, dry	0 0
36	-36	SP		SAND, Well Sorted, red-brown, loose, dry	0.0
40	-40	SP		SAND, pale brown, fine grained, loose, moist	0.0
		SP		SAND, Well Sorted, red-brown, loose, dry	
		SC		SANDY CLAY, brown, stiff, moist	
44		SP		SAND, Well Sorted, red-brown, loose, moist	0.0

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HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, May 05, 2008

Ross Kennemer
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Homestead Ranch Well #2 Location

Order No.: 0804338

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory, Inc. received 15 sample(s) on 4/29/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

Hall Environmental Analysis Laboratory, Inc. **Date:** *05-May-08*

CLIENT: Animas Environmental Services
Project: BMG Homestead Ranch Well #2 Location
Lab Order: 0804338

CASE NARRATIVE

Surrogates not recoverable in samples 0804338-01 and 0804338-02 due to dilution factor and high concentration of TPH present in the samples.

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-1 @ 1' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 9:52:00 AM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-01	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	9200	200		mg/Kg	20	5/1/2008 1:26:47 AM
Motor Oil Range Organics (MRO)	4800	1000		mg/Kg	20	5/1/2008 1:26:47 AM
Surr: DNOP	0	61.7-135	S	%REC	20	5/1/2008 1:26:47 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	860	100		mg/Kg	20	5/2/2008 12:08:12 PM
Surr: BFB	367	84-138	S	%REC	20	5/2/2008 12:08:12 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	1.1	1.0		mg/Kg	20	5/2/2008 12:08:12 PM
Toluene	12	1.0		mg/Kg	20	5/2/2008 12:08:12 PM
Ethylbenzene	6.1	1.0		mg/Kg	20	5/2/2008 12:08:12 PM
Xylenes, Total	52	2.0		mg/Kg	20	5/2/2008 12:08:12 PM
Surr: 4-Bromofluorobenzene	113	81.4-117		%REC	20	5/2/2008 12:08:12 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-1 @ 20' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 10:18:00 AM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-02	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	79	10		mg/Kg	1	4/30/2008 3:37:50 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 3:37:50 PM
Surr: DNOP	90.3	61.7-135		%REC	1	4/30/2008 3:37:50 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1400	250		mg/Kg	50	5/2/2008 1:08:32 PM
Surr: BFB	148	84-138	S	%REC	50	5/2/2008 1:08:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	4.2	2.5		mg/Kg	50	5/2/2008 1:08:32 PM
Toluene	32	2.5		mg/Kg	50	5/2/2008 1:08:32 PM
Ethylbenzene	11	2.5		mg/Kg	50	5/2/2008 1:08:32 PM
Xylenes, Total	71	5.0		mg/Kg	50	5/2/2008 1:08:32 PM
Surr: 4-Bromofluorobenzene	88.8	81.4-117		%REC	50	5/2/2008 1:08:32 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-1 @ 40' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 10:47:00 AM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-03	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 4:47:36 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 4:47:36 PM
Surr: DNOP	89.2	61.7-135		%REC	1	4/30/2008 4:47:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2008 2:08:44 PM
Surr: BFB	111	84-138		%REC	1	5/2/2008 2:08:44 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 2:08:44 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2008 2:08:44 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 2:08:44 PM
Xylenes, Total	0.18	0.10		mg/Kg	1	5/2/2008 2:08:44 PM
Surr: 4-Bromofluorobenzene	93.7	81.4-117		%REC	1	5/2/2008 2:08:44 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-1 @ 48' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 11:00:00 AM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-04	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 5:22:35 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 5:22:35 PM
Surr: DNOP	89.8	61.7-135		%REC	1	4/30/2008 5:22:35 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	12	5.0		mg/Kg	1	5/2/2008 2:38:46 PM
Surr: BFB	101	84-138		%REC	1	5/2/2008 2:38:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	0.072	0.050		mg/Kg	1	5/2/2008 2:38:46 PM
Toluene	0.45	0.050		mg/Kg	1	5/2/2008 2:38:46 PM
Ethylbenzene	0.18	0.050		mg/Kg	1	5/2/2008 2:38:46 PM
Xylenes, Total	3.0	0.10		mg/Kg	1	5/2/2008 2:38:46 PM
Surr: 4-Bromofluorobenzene	88.0	81.4-117		%REC	1	5/2/2008 2:38:46 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-2 @ 12' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 11:20:00 AM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-05	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	230	10		mg/Kg	1	4/30/2008 5:57:35 PM
Motor Oil Range Organics (MRO)	52	50		mg/Kg	1	4/30/2008 5:57:35 PM
Surr: DNOP	95.5	61.7-135		%REC	1	4/30/2008 5:57:35 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	550	100		mg/Kg	20	5/3/2008 6:51:12 PM
Surr: BFB	131	84-138		%REC	20	5/3/2008 6:51:12 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	15	10		mg/Kg	200	5/3/2008 6:51:12 PM
Toluene	140	10		mg/Kg	200	5/3/2008 6:51:12 PM
Ethylbenzene	56	10		mg/Kg	200	5/3/2008 6:51:12 PM
Xylenes, Total	400	20		mg/Kg	200	5/3/2008 6:51:12 PM
Surr: 4-Bromofluorobenzene	93.7	81.4-117		%REC	200	5/3/2008 6:51:12 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-2 @ 20' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 11:35:00 AM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-06	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 6:32:35 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 6:32:35 PM
Surr: DNOP	82.3	61.7-135		%REC	1	4/30/2008 6:32:35 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2008 4:39:35 PM
Surr: BFB	99.3	84-138		%REC	1	5/2/2008 4:39:35 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 4:39:35 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2008 4:39:35 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 4:39:35 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/2/2008 4:39:35 PM
Surr: 4-Bromofluorobenzene	86.2	81.4-117		%REC	1	5/2/2008 4:39:35 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-2 @ 44' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 12:00:00 PM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-07	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 7:07:37 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 7:07:37 PM
Surr: DNOP	83.9	61.7-135		%REC	1	4/30/2008 7:07:37 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2008 5:09:38 PM
Surr: BFB	106	84-138		%REC	1	5/2/2008 5:09:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 5:09:38 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2008 5:09:38 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 5:09:38 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/2/2008 5:09:38 PM
Surr: 4-Bromofluorobenzene	92.8	81.4-117		%REC	1	5/2/2008 5:09:38 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-3 @ 20' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 12:30:00 PM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-08	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 7:42:30 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 7:42:30 PM
Surr: DNOP	85.2	61.7-135		%REC	1	4/30/2008 7:42:30 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2008 5:41:55 PM
Surr: BFB	103	84-138		%REC	1	5/2/2008 5:41:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 5:41:55 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2008 5:41:55 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 5:41:55 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/2/2008 5:41:55 PM
Surr: 4-Bromofluorobenzene	89.7	81.4-117		%REC	1	5/2/2008 5:41:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-3 @ 32' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 12:38:00 PM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-09	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 8:17:11 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 8:17:11 PM
Surr: DNOP	83.9	61.7-135		%REC	1	4/30/2008 8:17:11 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2008 7:12:02 PM
Surr: BFB	101	84-138		%REC	1	5/2/2008 7:12:02 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 7:12:02 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2008 7:12:02 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 7:12:02 PM
Xylenes, Total	0.11	0.10		mg/Kg	1	5/2/2008 7:12:02 PM
Surr: 4-Bromofluorobenzene	86.8	81.4-117		%REC	1	5/2/2008 7:12:02 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-3 @ 44' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 12:53:00 PM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-10	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 8:51:50 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 8:51:50 PM
Surr: DNOP	84.8	61.7-135		%REC	1	4/30/2008 8:51:50 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2008 7:42:19 PM
Surr: BFB	101	84-138		%REC	1	5/2/2008 7:42:19 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 7:42:19 PM
Toluene	0.27	0.050		mg/Kg	1	5/2/2008 7:42:19 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 7:42:19 PM
Xylenes, Total	0.50	0.10		mg/Kg	1	5/2/2008 7:42:19 PM
Surr: 4-Bromofluorobenzene	88.5	81.4-117		%REC	1	5/2/2008 7:42:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-4 @ 20' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 1:20:00 PM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-11	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 9:26:16 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 9:26:16 PM
Surr: DNOP	84.3	61.7-135		%REC	1	4/30/2008 9:26:16 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2008 8:12:29 PM
Surr: BFB	109	84-138		%REC	1	5/2/2008 8:12:29 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 8:12:29 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2008 8:12:29 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 8:12:29 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/2/2008 8:12:29 PM
Surr: 4-Bromofluorobenzene	96.2	81.4-117		%REC	1	5/2/2008 8:12:29 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-4 @ 44' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 1:45:00 PM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-12	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 10:00:43 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 10:00:43 PM
Surr: DNOP	85.2	61.7-135		%REC	1	4/30/2008 10:00:43 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2008 8:42:32 PM
Surr: BFB	104	84-138		%REC	1	5/2/2008 8:42:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 8:42:32 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2008 8:42:32 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 8:42:32 PM
Xylenes, Total	0.40	0.10		mg/Kg	1	5/2/2008 8:42:32 PM
Surr: 4-Bromofluorobenzene	88.6	81.4-117		%REC	1	5/2/2008 8:42:32 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-5 @ 24' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 2:15:00 PM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-13	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 11:09:28 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 11:09:28 PM
Surr: DNOP	85.2	61.7-135		%REC	1	4/30/2008 11:09:28 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5 0		mg/Kg	1	5/2/2008 9:15:18 PM
Surr: BFB	101	84-138		%REC	1	5/2/2008 9:15:18 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 9:15:18 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2008 9:15:18 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 9:15:18 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/2/2008 9 15:18 PM
Surr: 4-Bromofluorobenzene	86.6	81.4-117		%REC	1	5/2/2008 9:15:18 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-5 @ 34' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 2:25:00 PM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-14	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/30/2008 11:43:34 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/30/2008 11:43:34 PM
Surr: DNOP	85.0	61.7-135		%REC	1	4/30/2008 11:43:34 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2008 9:45:22 PM
Surr: BFB	98.1	84-138		%REC	1	5/2/2008 9:45:22 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 9:45:22 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2008 9:45:22 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 9:45:22 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/2/2008 9:45:22 PM
Surr: 4-Bromofluorobenzene	84.2	81.4-117		%REC	1	5/2/2008 9:45:22 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-May-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TH-5 @ 44' BGS
Lab Order:	0804338	**Collection Date:**	4/24/2008 2:42:00 PM
Project:	BMG Homestead Ranch Well #2 Location	**Date Received:**	4/29/2008
Lab ID:	0804338-15	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/1/2008 12:17:41 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/1/2008 12:17:41 AM
Surr: DNOP	82.5	61.7-135		%REC	1	5/1/2008 12:17:41 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/2/2008 10:15:32 PM
Surr: BFB	103	84-138		%REC	1	5/2/2008 10:15:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	5/2/2008 10:15:32 PM
Toluene	ND	0.050		mg/Kg	1	5/2/2008 10:15:32 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/2/2008 10:15:32 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/2/2008 10:15:32 PM
Surr: 4-Bromofluorobenzene	89.3	81.4-117		%REC	1	5/2/2008 10:15:32 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Homestead Ranch Well #2 Location **Work Order:** 0804338

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics									
Sample ID: MB-15784		*MBLK*			Batch ID:	**15784**	Analysis Date.		4/29/2008 11:24:12 AM
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-15784		*LCS*			Batch ID:	**15784**	Analysis Date:		4/29/2008 11:58:18 AM
Diesel Range Organics (DRO)	47.64	mg/Kg	10	95.3	64.6	116			
Sample ID: LCSD-15784		*LCSD*			Batch ID:	**15784**	Analysis Date:		4/29/2008 1:06:47 PM
Diesel Range Organics (DRO)	48.94	mg/Kg	10	97.9	64.6	116	2.69	17.4	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 0804338-14A MSD		*MSD*			Batch ID.	**R28373**	Analysis Date:		5/3/2008 12:45:47 AM
Gasoline Range Organics (GRO)	24.91	mg/Kg	5.0	99.6	69.5	120	2.77	11.6	
Sample ID: b 19		*MBLK*			Batch ID:	**R28373**	Analysis Date.		5/2/2008 6:11:51 PM
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R28373**	Analysis Date:		5/2/2008 10.45:36 PM
Gasoline Range Organics (GRO)	25.71	mg/Kg	5 0	94.1	69.5	120			
Sample ID: 0804338-14A MS		*MS*			Batch ID·	**R28373**	Analysis Date:		5/3/2008 12:15:43 AM
Gasoline Range Organics (GRO)	25.61	mg/Kg	5.0	102	69.5	120			
Method: EPA Method 8021B: Volatiles									
Sample ID: 0804338-14A MSD		*MSD*			Batch ID:	**R28373**	Analysis Date:		5/3/2008 12:45:47 AM
Benzene	0.2939	mg/Kg	0 050	105	78.8	132	10.4	27	
Toluene	2.096	mg/Kg	0.050	104	78.9	112	3.65	19	
Ethylbenzene	0.4387	mg/Kg	0 050	110	69.3	125	5.26	10	
Xylenes, Total	2.597	mg/Kg	0.10	113	73	128	3.64	13	
Sample ID: b 19		*MBLK*			Batch ID:	**R28373**	Analysis Date:		5/2/2008 6:11:51 PM
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/Kg	0 050						
Ethylbenzene	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R28373**	Analysis Date·		5/2/2008 11:45:33 PM
Benzene	1.021	mg/Kg	0.050	102	78.8	132			
Toluene	1.059	mg/Kg	0.050	105	78.9	112			
Ethylbenzene	1.024	mg/Kg	0.050	102	69.3	125			
Xylenes, Total	3.089	mg/Kg	0.10	103	73	128			
Sample ID: 0804338-14A MS		*MS*			Batch ID:	**R28373**	Analysis Date:		5/3/2008 12:15:43 AM
Benzene	0.3262	mg/Kg	0.050	117	78.8	132			
Toluene	2.174	mg/Kg	0.050	108	78.9	112			
Ethylbenzene	0.4624	mg/Kg	0 050	116	69.3	125			
Xylenes, Total	2.694	mg/Kg	0.10	117	73	128			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL | Date Received: 4/29/2008

Work Order Number 0804338 | Received by: TLS

Checklist completed by: Jamye Shomin (Signature) 4/29/08 (Date) | Sample ID labels checked by: DAS (Initials)

Matrix: | Carrier name Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☑		Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	3°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

C.O.C.

Chain-of-Custody Record

Client: Animas Environmental Services
624 E. Comanche
Address: Farmington, NM 87401
Phone #: (505) 564-2281
email or Fax#: (505) 324-2022
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: BMG Homestead Ranch Well #2 location
Project #:
Project Manager: Ross Kennemer
Sampler: Ross Kennemer
On Ice: ☒ Yes ☐ No
Sample Temperature: 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0804338	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BTEX (8021)	TPH (C_6-C_{36}) (8015)			Air Bubbles (Y or N)
4-24-08	0952	TH-1@ 1' BGS	3	meth	-1												✓	✓			
4-24-08	1018	TH-1@ 20' BGS	3	meth	-2												✓	✓			
4-24-08	1047	TH-1@ 40' BGS	3	meth	-3												✓	✓			
4-24-08	1100	TH-1@ 48' BGS	3	meth	-4												✓	✓			
4-24-08	1120	TH-2@ 12' BGS	3	meth	-5												✓	✓			
4-24-08	1135	TH-2@ 20' BGS	3	meth	-6												✓	✓			
4-24-08	1200	TH-2@ 44' BGS	3	meth	-7												✓	✓			
4-24-08	1230	TH-3@ 20' BGS	3	meth	-8												✓	✓			
4-24-08	1238	TH-3@ 32' BGS	3	meth	-9												✓	✓			
4-24-08	1253	TH-3@ 44' BGS	3	meth	-10												✓	✓			
4-24-08	1320	TH-4@ 20' BGS	3	meth	-11												✓	✓			
4-24-08	1345	TH-4@ 44' BGS	3	meth	12												✓	✓			

Date:	Time:	Relinquished by:	Received by:	
4-28-08	0930	Ross Kennemer	[signature]	4/29/08 905
Date:	Time:	Relinquished by:	Received by:	

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility Any sub-contracted data will be clearly notated on the analytical report

Chain-of-Custody Record

Client: Animas Environmental Services
624 E. Comanche
Address: Farmington, NM 87401

Phone #: (505) 564-2281
email or Fax#: (505) 324-2022

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: BMG Homestead Ranch Well #2 location

Project #:

Project Manager: Ross Kennemer

Sampler: Ross Kennemer

On Ice: ☒ Yes ☐ No

Sample Temperature: 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0804338	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BTEX (8021)	TPH (C_6-C_{36}) (8015)			Air Bubbles (Y or N)
4-24-08	1415	TH-5 @ 24' BGS	3	meoh	13												✓	✓			
4-24-08	1425	TH-5 @ 34' BGS	3	meoh	14												✓	✓			
4-24-08	1442	TH-5 @ 44' BGS	3	meoh	15												✓	✓			

Date:	Time:	Relinquished by:	Received by:	Remarks:
4-28-8	0930	Ross Kennemer	4/28/08 905	
Date:	Time:	Relinquished by:	Received by:	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility Any sub-contracted data will be clearly notated on the analytical report.

AES Animas Environmental Services, LLC

624 E. Comanche . Farmington, NM 87401 . TEL 505-564-2281 . FAX 505-324-2022 . www.animasenvironmental.com

June 9, 2008

Mike Dimond
Benson-Montin-Greer Drilling Corporation
4900 College Blvd
Farmington, New Mexico 87402

RE: Results of April 2008 Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On April 14, 2008, Animas Environmental Services, LLC (AES), completed the quarterly treatment zone monitoring and sampling of the Benson-Montin-Greer Drilling Corporation (BMG) Centralized Surface Waste Management Facility, located near the Canada Ojitos Unit (COU) Gas Plant in Rio Arriba County, New Mexico.

1.0 Sampling Procedures

As required by the New Mexico Oil Conservation Division (NMOCD) permit for this facility, one random soil sample was collected from each of the active treatment cells. Samples were collected from a depth of approximately two feet from the three treatment cells sampled. A stainless steel hand auger, which was decontaminated between each sampling point to prevent cross-contamination, was used to collect the samples. Once collected, each sample container was labeled with the date, sample location, sample type, and sampler's initials. The containers were placed in a chilled, insulated cooler at less than 6°C until delivered to the analytical laboratory, Hall Environmental Analysis Laboratory, Albuquerque, New Mexico. A Chain of Custody was completed at the time the samples were collected.

2.0 Laboratory Analytical Methods

Each soil sample was analyzed for chloride per EPA method 9056A, total petroleum hydrocarbons (TPH) per EPA Method 8015B, and benzene, toluene, ethylbenzene, and xylene (BTEX) per EPA Method 8021B. Samples collected for BTEX analysis were field-preserved with methanol at the time of collection with materials and equipment supplied by the analytical laboratory.

3.0 Treatment Zone Monitoring Results

Based on AES's observations of the treatment cells at the time of sample collection, treatment cells #1, #2, and #3 are in use and are being tilled on a frequent basis. Cell #4 is not in use. Chloride concentrations were below the applicable standard of 500 mg/kg in each of the cells. Remaining parameters were below applicable laboratory

detection limits with the exception of TPH ($C_{10} - C_{32}$) in each cell. TPH concentrations ranged from 1,540 mg/Kg (Cell #2) up to 7,100 mg/Kg (Cell #1). AES believes that unusually high concentrations of TPH may be associated with increased contaminant leaching due to an extremely wet winter season. The locations of all samples, as well as analytical results, are presented on Figure 1. Laboratory analytical reports are also attached.

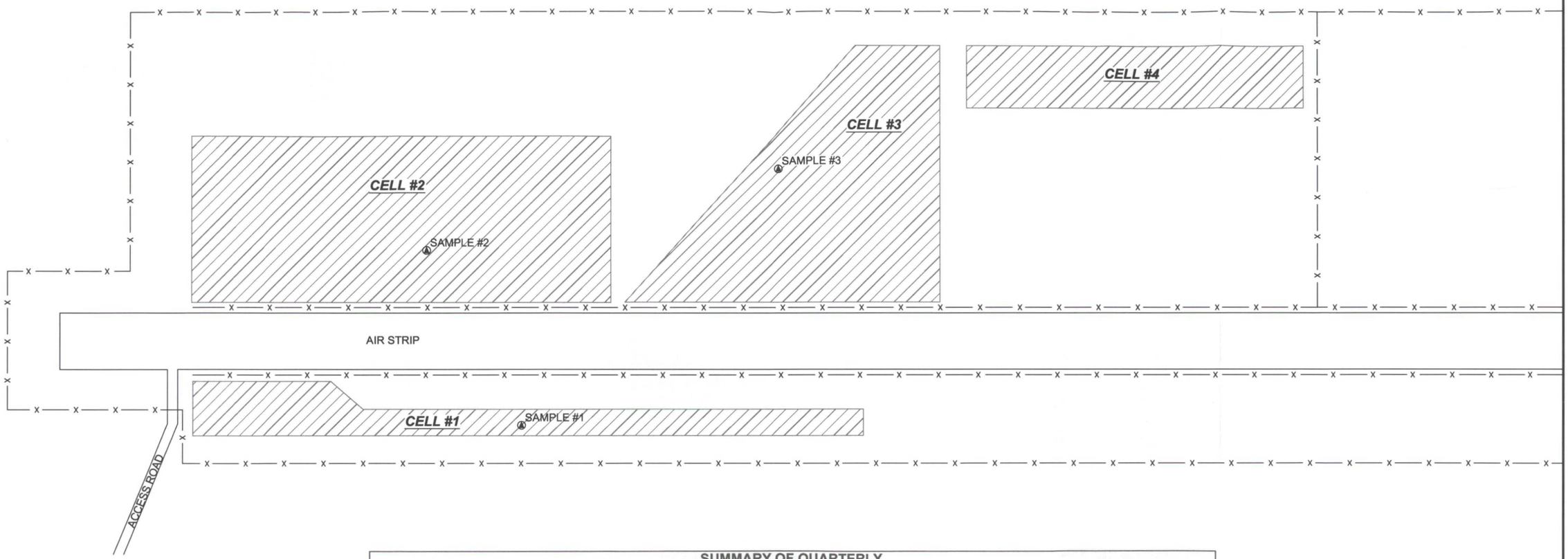
The next monitoring and sampling event is scheduled to be completed during July 2008. If you have any questions regarding the sampling procedures or results, please do not hesitate to contact Elizabeth McNally or Ross Kennemer at (505) 564-2281.

Sincerely,

Chad Dawson
Field Geologist

Attachments: Figure 1. Treatment Zone Monitoring Locations
Table 1. Soil BTEX and TPH Concentrations
Table 2. Soil Chloride Concentrations
Hall Environmental Analysis Laboratory Analytical Reports

Files/2008/BMG/Landfarm Sampling/gcbmg 060908



SUMMARY OF QUARTERLY TREATMENT ZONE MONITORING APRIL 2008

LANDFARM I.D.	SAMPLE I.D.	SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (ft.)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	XYLENE (mg/kg)	TPH (GRO, DRO, AND MRO)			Chloride (mgkg)
									C6-C10 (mg/kg)	C10-C22 (mg/kg)	C22-C32 (mg/kg)	
CELL #1	#1	N 36°23.358' W 106°52.004'	04/14/08	2	<0.050	<0.050	<0.050	<0.10	<5.0	4,900	2,200	110
CELL #2	#2	N 36°23.391' W 106°51.984'	04/14/08	2	<0.050	<0.050	<0.050	<0.10	<5.0	1,000	540	2.2
CELL #3	#3	N 36°23.365' W 106°51.854'	04/14/08	2	<0.050	<0.050	<0.050	<0.10	<5.0	1,200	680	26
CELL #4		NOT IN USE, NO SAMPLE	04/14/08									

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

N

AES
Animas Environmental Services, LLC

DRAWN BY: N. Willis	DATE DRAWN: May 29, 2008
REVISIONS BY: N. Willis	DATE REVISED: June 9, 2008
CHECKED BY: L. Cupps	DATE CHECKED: June 9, 2008
APPROVED BY: E. McNally	DATE APPROVED: June 9, 2008

FIGURE 1
BENSON-MONTIN-GREER CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY MONITORING LOCATIONS
APRIL 2008
NW1/4, NW1/4, SEC. 20, T25N, R1E,
RIO ARRIBA COUNTY, NEW MEXICO

S:\ANIMAS 2000\2008 PROJECTS\BMG\LANDFARM\DRAWINGS\041408 SAMPLING

TABLE 1
Soil BTEX and TPH Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm I.D.	Sample I.D.	Sample Location	Sample Date	Sample Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylene (mg/kg)	TPH GRO (C6-C10) (mg/kg)	TPH DRO (C10-C22) (mg/kg)	TPH MRO (C22-C32) (mg/kg)
Cell #1	#1	N 36° 23.371' W 106° 52.031'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	
Cell #1	#1	N 36° 23.371' W 106° 52.031'	7-Mar-06	2	<0.025	<0.025	<0.025	<0.10	<10	18	
Cell #1	#1	N 36° 23.355' W 106° 51.998'	16-Feb-07	2.5	<0.025	<0.025	<0.025	<0.10	<10	<10	
Cell #1	#1	N 36° 23.372' W 106° 52.046'	22-May-07	3	<0.025	<0.025	<0.025	<0.10	<10	752	
Cell #1	#1	N 36° 23.365' W 106° 52.030'	16-Aug-07	2.5	<0.025	0.031	<0.025	<0.10	<10	660	
Cell #1	#1	N 36° 23.367' W 106° 52.021'	6-Nov-07	2.5	<0.050	<0.050	<0.050	<0.10	<5.0	<10	
Cell #1	#1	N 36° 23.358' W 106° 52.004'	14-Apr-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	4,900	2,200
Cell #2	#1	N 36° 23.386' W 106° 52.932'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	
Cell #2	#1	N 36° 23.386' W 106° 52.932'	7-Mar-06	2	<0.025	<0.025	<0.025	<0.10	<10	52	
Cell #2	#1	N 36° 23.393' W 106° 51.996'	16-Feb-07	2.5	<0.025	<0.025	0.03	<0.10	<10	<10	
Cell #2	#1	N 36° 23.416' W 106° 52.003'	22-May-07	3	<0.025	<0.025	<0.025	<0.10	<10	<20	
Cell #2	#1	N 36° 23.397' W 106° 51.996'	16-Aug-07	2.5	<0.025	<0.025	0.028	<0.10	<10	<10	
Cell #2	#1	N 36° 23.404' W 106° 51.942'	6-Nov-07	2.5	<0.050	<0.050	<0.050	<0.10	<5.0	<10	
Cell #2	#1	N 36° 23.391' W 106° 51.984'	14-Apr-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	1,000	540
Cell #3	#1	N 36° 23.351' W 106° 51.882'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	

TABLE 1
Soil BTEX and TPH Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm I.D.	Sample I.D.	Sample Location	Sample Date	Sample Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylene (mg/kg)	TPH GRO (C6-C10) (mg/kg)	TPH DRO (C10-C22) (mg/kg)	TPH MRO (C22-C32) (mg/kg)
Cell #3	#1	N 36° 23.351' W 106° 51.882'	7-Mar-06	2	<0.025	<0.025	<0.025	<0.10	<10	NA	
Cell #3	#1	N 36° 23.386' W 106° 51.974'	16-Feb-07	2.5	<0.025	0.034	0.041	<0.10	<10	12	
Cell #3	#1	N 36° 23.359' W 106° 51.865'	22-May-07	3	<0.025	<0.025	<0.025	<0.10	<10	<20	
Cell #3	#1	N 36° 23.340' W 106° 51.574'	16-Aug-07	2.5	<0.025	0.078	0.049	0.18	<10	<10	
Cell #3	#1	N 36° 23.355' W 106° 51.906'	6-Nov-07	2	<0.050	<0.050	<0.050	<0.10	<5.0	<10	
Cell #3	#1	N 36° 23.365' W 106° 51.854'	14-Apr-08	2	<0.050	<0.050	<0.050	<0.10	<5.0	1,200	680
Cell #4	#1	N 36° 23.363' W 106° 51.784'	21-Jun-04	2	<0.025	<0.025	<0.025	<0.050	<20	NA	

Note 3/13/06 TPH for Cell #3 was analyzed past the 14 day hold time. Insufficient sample available for extraction with 8015B QC. Blank and sample from BTEX extraction used.**

Note 11/28/07 EPA method 8021B was added to sample Cell #2 after the GRO analysis was completed. The BTEX Analysis for this sample does not have a closing QC standard.**

Note Prior to the April 14, 2008, sampling event TPH-DRO was reported as C10-C36.**

TABLE 2
Soil Chloride Concentrations
BMG Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Landfarm I.D.	Sample I.D.	Sample Date	Sample Depth (ft)	Chloride (mg/kg)
Cell #1	#1	7-Jun-06	2.5	33.7*
Cell #1	#1	22-May-07	3	23.5
Cell #1	#1	16-Aug-07	2.5	47.7
Cell #1	#1	6-Nov-07	2.5	45
Cell #1	#1	14-Apr-08	2	110
Cell #2	#1	7-Jun-06	2.5	20.4*
Cell #2	#1	22-May-07	3	17.4
Cell #2	#1	16-Aug-07	2.5	5.34
Cell #2	#1	6-Nov-07	2.5	3.3
Cell #2	#1	14-Apr-08	2	2.2
Cell #3	#1	7-Jun-06	2.5	26.3*
Cell #3	#1	22-May-07	3	57.6
Cell #3	#1	16-Aug-07	2.5	2.86
Cell #3	#1	6-Nov-07	2	7.8
Cell #3	#1	14-Apr-08	2	26

Note: * = Concentrations reported are in mg/L
NA = Not Analyzed

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, April 24, 2008

Lany Cupps
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm Sampling

Order No.: 0804216

Dear Lany Cupps:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 4/17/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Apr-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #1
Lab Order:	0804216	**Collection Date:**	4/14/2008 11:45:00 AM
Project:	BMG Landfarm Sampling	**Date Received:**	4/17/2008
Lab ID:	0804216-01	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	4900	100		mg/Kg	10	4/24/2008 6:32:29 AM
Motor Oil Range Organics (MRO)	2200	500		mg/Kg	10	4/24/2008 6:32:29 AM
Surr: DNOP	302	61.7-135	S	%REC	10	4/24/2008 6:32:29 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/24/2008 2:37:44 AM
Surr: BFB	108	84-138		%REC	1	4/24/2008 2:37:44 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	4/24/2008 2:37:44 AM
Toluene	ND	0.050		mg/Kg	1	4/24/2008 2:37:44 AM
Ethylbenzene	ND	0.050		mg/Kg	1	4/24/2008 2:37:44 AM
Xylenes, Total	ND	0.10		mg/Kg	1	4/24/2008 2:37:44 AM
Surr: 4-Bromofluorobenzene	93.0	81.4-117		%REC	1	4/24/2008 2:37:44 AM
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	110	1.5		mg/Kg	5	4/24/2008 10:18:10 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Apr-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #2
Lab Order:	0804216	**Collection Date:**	4/14/2008 12:05:00 PM
Project:	BMG Landfarm Sampling	**Date Received:**	4/17/2008
Lab ID:	0804216-02	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	1000	100		mg/Kg	10	4/24/2008 7:03:55 AM
Motor Oil Range Organics (MRO)	540	500		mg/Kg	10	4/24/2008 7:03:55 AM
Surr: DNOP	98.5	61.7-135		%REC	10	4/24/2008 7:03:55 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/24/2008 3:07:46 AM
Surr: BFB	103	84-138		%REC	1	4/24/2008 3:07:46 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	4/24/2008 3:07:46 AM
Toluene	ND	0.050		mg/Kg	1	4/24/2008 3:07:46 AM
Ethylbenzene	ND	0.050		mg/Kg	1	4/24/2008 3:07:46 AM
Xylenes, Total	ND	0.10		mg/Kg	1	4/24/2008 3:07:46 AM
Surr: 4-Bromofluorobenzene	82.3	81.4-117		%REC	1	4/24/2008 3:07:46 AM
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	2.2	1.5		mg/Kg	5	4/24/2008 10:35:34 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Apr-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Cell #3
Lab Order:	0804216	**Collection Date:**	4/14/2008 12:15:00 PM
Project:	BMG Landfarm Sampling	**Date Received:**	4/17/2008
Lab ID:	0804216-03	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	1200	100		mg/Kg	10	4/24/2008 7:34:30 AM
Motor Oil Range Organics (MRO)	680	500		mg/Kg	10	4/24/2008 7:34:30 AM
Surr: DNOP	113	61.7-135		%REC	10	4/24/2008 7:34:30 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/24/2008 3:37:57 AM
Surr: BFB	96.3	84-138		%REC	1	4/24/2008 3:37:57 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	4/24/2008 3:37:57 AM
Toluene	ND	0.050		mg/Kg	1	4/24/2008 3:37:57 AM
Ethylbenzene	ND	0.050		mg/Kg	1	4/24/2008 3:37:57 AM
Xylenes, Total	ND	0.10		mg/Kg	1	4/24/2008 3:37:57 AM
Surr: 4-Bromofluorobenzene	81.3	81.4-117	S	%REC	1	4/24/2008 3:37:57 AM
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	26	1.5		mg/Kg	5	4/24/2008 10:52:58 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Landfarm Sampling **Work Order:** 0804216

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 9056A: Anions									
Sample ID: MB-15740		*MBLK*			Batch ID: **15740**		Analysis Date:	4/23/2008 9:32:02 PM	
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-15740		*LCS*			Batch ID: **15740**		Analysis Date:	4/23/2008 9:49:27 PM	
Chloride	15.00	mg/Kg	0.30	100	90	110			
Method: EPA Method 8015B: Diesel Range Organics									
Sample ID: MB-15702		*MBLK*			Batch ID: **15702**		Analysis Date:	4/22/2008 3:24:11 PM	
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-15702		*LCS*			Batch ID: **15702**		Analysis Date:	4/22/2008 3:59:05 PM	
Diesel Range Organics (DRO)	51.14	mg/Kg	10	102	64.6	116			
Sample ID: LCSD-15702		*LCSD*			Batch ID: **15702**		Analysis Date:	4/22/2008 4:34:06 PM	
Diesel Range Organics (DRO)	44.94	mg/Kg	10	89.9	64.6	116	12.9	17.4	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID: **R28224**		Analysis Date:	4/23/2008 9:02:53 AM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID: **R28224**		Analysis Date:	4/23/2008 11:03:21 AM	
Gasoline Range Organics (GRO)	25.98	mg/Kg	5.0	104	69.5	120			
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		*MBLK*			Batch ID: **R28224**		Analysis Date:	4/23/2008 9:02:53 AM	
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID: **R28224**		Analysis Date:	4/23/2008 11:03:21 AM	
Benzene	0.3128	mg/Kg	0.050	112	78.8	132			
Toluene	2.148	mg/Kg	0.050	107	78.9	112			
Ethylbenzene	0.4437	mg/Kg	0.050	111	69.3	125			
Xylenes, Total	2.592	mg/Kg	0.10	113	73	128			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL | Date Received: 4/17/2008

Work Order Number 0804216 | Received by: AMF

Checklist completed by: Tonya Shomin 4/17/08 (Signature / Date) | Sample ID labels checked by: ____ (Initials)

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted	☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	6°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Animas Environmental Services, LLC

Address: 624 E. Comanche Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: lcupps@animasenvironmental.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush _____

Project Name: BMG Landfarm Sampling

Project #: 040605

Project Manager: Lany Cupps

Sampler: Chad Dawson

On Ice: ☒ Yes ☐ No

Sample Temperature: 4°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0804216	BTEX + ~~MTBE~~ + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride 300.1				Air Bubbles (Y or N)
4/14/08	1145	Cell #1	2 x 4oz 1-4oz jar	MeOH/4°C	1	X		X									X				
〃	1205	Cell #2	〃	〃	2	X		X									X				
〃	1215	Cell #3	〃	〃	3	X		X									X				

Date:	Time:	Relinquished by:	Received by:	Date:	Time:
4-17-08	1435	Chad Dawson		4/17/08	1435
Date:	Time:	Relinquished by:	Received by:		

Remarks:

BTEX 8021

TPH (C_6-C_{36}) 8015

Chloride 300.1 (use dry weight jar to pull sample)

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.