

**NM2 - 4**

**MONITORING  
REPORTS  
YEAR(S):**

**2007**

RECEIVED

2008 JAN 31 PM 1 52

January 29, 2008

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

Re: 2007 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 2007. If you have any questions please contact me at 505-325-8874 or by email at: [mikedimond@bmgdrilling.com](mailto:mikedimond@bmgdrilling.com).

Sincerely,



Mike Dimond  
President

Cc: NMOCD, Aztec; File



# Animas Environmental Services, LLC

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

May 2, 2007

**MAY 09 2007**

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

**RE: Results of February 2007 Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico**

Dear Mr. Dimond:

On February 16, 2007, 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.

### **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. Sample collection depth for the three treatment cells sampled was 2.5 feet below surface grade. 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. A Chain of Custody was completed, and the containers were placed in a chilled, insulated cooler at 4°C until delivered to the analytical laboratory, Pinnacle Laboratories, Albuquerque, New Mexico.

### **Laboratory Analytical Methods**

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

### **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 currently not in use. Analytical results showed BTEX concentrations below laboratory detection limits for cells #1, #2, and #3, with the exception of toluene in Cell #3 which had a concentration of 0.034 mg/kg and ethylbenzene in Cell #2 and Cell #3 with concentrations of 0.03 and 0.041 mg/kg respectively. TPH concentrations (C<sub>10</sub>-C<sub>36</sub>) were reported at 12 mg/kg in cell #3, remaining cells were below laboratory detection limit. Laboratory analytical results for all samples are presented on Figure 1. Laboratory analytical reports are also attached.



The next monitoring and sampling event is tentatively scheduled to be completed during the week of May 14, 2007. If you have any questions regarding the sampling procedures or results, please do not hesitate to contact me or Elizabeth McNally at (505) 564-2281.

Sincerely,

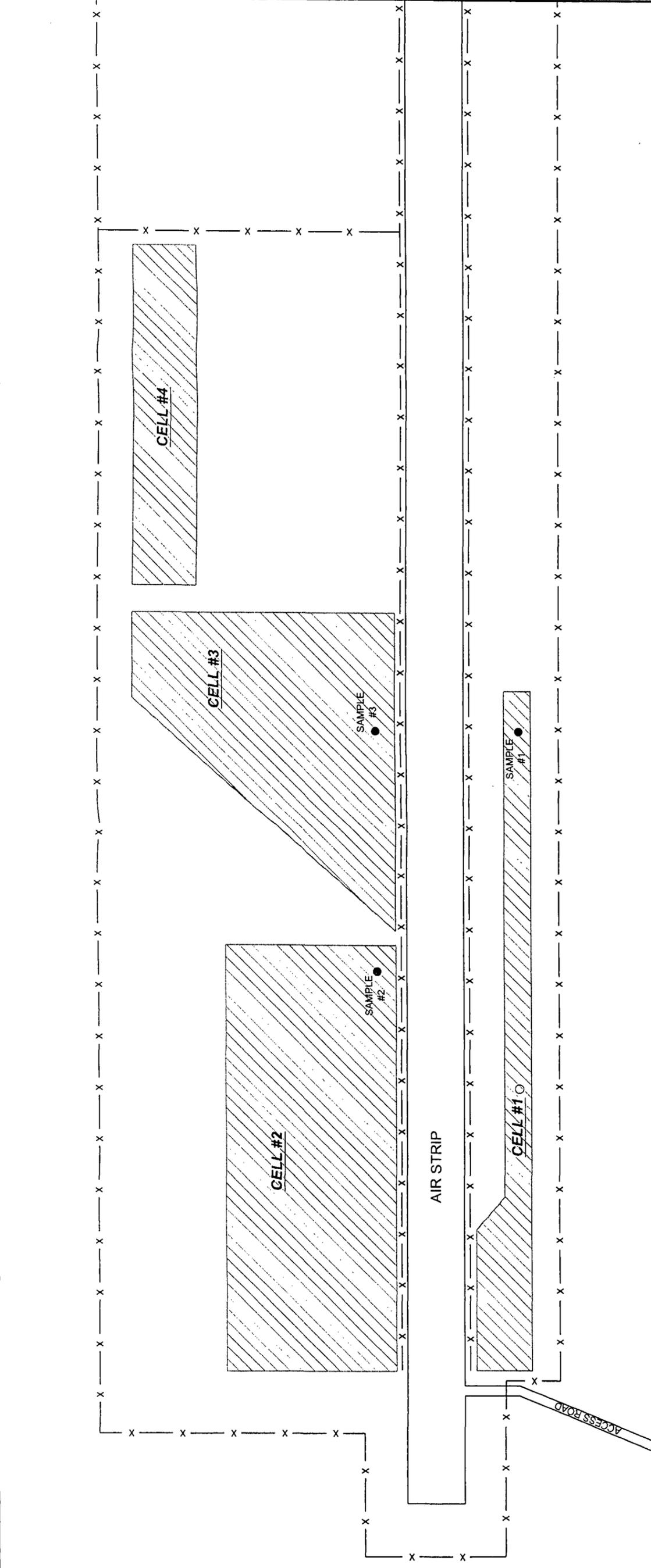
A handwritten signature in black ink, appearing to read "Ross Kennemer", written in a cursive style.

Ross Kennemer  
Project Manager

Attachments: Figure 1. Treatment Zone Monitoring Locations  
Pinnacle Laboratory Analytical Reports

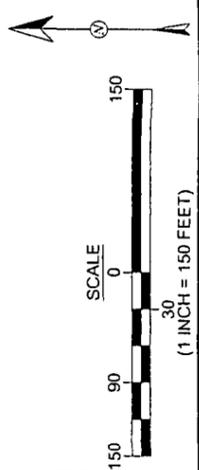
Files/2006/BMG/Landfarm Sampling/gcbmg050207

DRAWN	NCW	CHECKED BY	CD	05-02-07	REVISIONS
BY	02-16-07	APPROVED BY	RK	05-02-07	BY: Nathan DATE: 04-02-07



**TABLE 1**  
**SUMMARY OF QUARTERY**  
**TREATMENT ZONE MONITORING**  
**FEBRUARY 2007**

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)	FUEL HYDROCARBONS	
									C6-C10 (mg/kg)	C10-C36 (mg/kg)
CELL #1	#1	N 36°23.355' W 106°51.998'	02/16/07	2.5	<0.025	<0.025	<0.025	<0.10	<10	<10
CELL #2	#2	N 36°23.393' W 106°51.996'	02/16/07	2.5	<0.025	<0.025	0.030	<0.10	<10	<10
CELL #3	#3	N 36°23.386' W 106°51.974'	02/16/07	2.5	<0.025	0.034	0.041	<0.10	<10	12
CELL #4		NOT IN USE, NO SAMPLE	02/16/07							



**FIGURE 1**  
**BENSON-MONTIN-GREER**  
**CENTRALIZED SURFACE WASTE**  
**MANAGEMENT FACILITY**  
**MONITORING LOCATIONS**  
**FEBRUARY 2007**  
NW 1/4, NW 1/4, SEC. 20, T25N, R1E,  
RIO ARRIBA, CO., NM



Pinnacle Lab ID number      **702187**  
March 14, 2007

ANIMAS ENVIRONMENTAL SERVICES  
624 EAST COMMANCHE  
FARMINGTON,      NM      87401

Project Name                      BMG LANDFARM  
Project Number                  (NONE)

Attention:    ROSS KENNEMER

On 02/21/2007 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **non-aq** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

A handwritten signature in black ink, appearing to read "H. Rubenstein".

H. Mitchell Rubenstein, Ph.D.  
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

# PINNACLE LABS

Environmental Testing

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 702187
PROJECT #	: (NONE)	DATE RECEIVED	: 02/21/2007
PROJECT NAME	: BMG LANDFARM	REPORT DATE	: 03/14/2007

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PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
702187 - 01	CELL #1 @ 2.5FT.	NON-AQ	02/16/2007
702187 - 02	CELL #2 @ 2.5FT.	NON-AQ	02/16/2007
702187 - 03	CELL #3 @ 2.5FT.	NON-AQ	02/16/2007

## GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 8021B / 8015B GRO	
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D. : 702187
PROJECT #	: (NONE)	ANALYST : DRK
PROJECT NAME	: BMG LANDFARM	

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	CELL #1 @ 2.5FT.	NON-AQ	02/16/2007	NA	02/27/2007	1
02	CELL #2 @ 2.5FT.	NON-AQ	02/16/2007	NA	02/27/2007	1
03	CELL #3 @ 2.5FT.	NON-AQ	02/16/2007	NA	02/27/2007	1

PARAMETER	DET. LIMIT	UNITS	CELL #1 @ 2.5FT.	CELL #2 @ 2.5FT.	CELL #3 @ 2.5FT.
FUEL HYDROCARBONS	10	MG/KG	< 10	< 10	< 10
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE

BENZENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025
TOLUENE	<b>0.025</b>	MG/KG	< 0.025	< 0.025	<b>0.034</b>
ETHYLBENZENE	<b>0.025</b>	MG/KG	< 0.025	<b>0.030</b>	<b>0.041</b>
TOTAL XYLENES	0.10	MG/KG	< 0.10	< 0.10	< 0.10
METHYL-t-BUTYL ETHER	0.13	MG/KG	< 0.13	< 0.13	< 0.13

SURROGATE:					
BROMOFLUOROBENZENE (%)			100	98	96
SURROGATE LIMITS	( 65 - 120 )				
DRY WEIGHT (%)			88	93	91

CHEMIST NOTES:  
N/A

GAS CHROMATOGRAPHY RESULTS  
EXTRACTION BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 702187
BLANK I.D.	: 022607B	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 02/26/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM	ANALYST	: DRK

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/KG	<10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.10
METHYL-t-BUTYL ETHER	MG/KG	<0.13
SURROGATE:		
BROMOFLUOROBENZENE (%)		99
SURROGATE LIMITS	( 80 - 120 )	

CHEMIST NOTES:  
N/A



GAS CHROMATOGRAPHY RESULTS  
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 702187
BLANK I.D.	: 022707B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 02/27/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM	ANALYST	:

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/KG	<10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.10
METHYL-t-BUTYL ETHER	MG/KG	<0.13
SURROGATE:		
BROMOFLUOROBENZENE (%)		98
SURROGATE LIMITS ( 80 - 120 )		

CHEMIST NOTES:  
N/A

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 702187
BATCH ID	: 022607B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 02/26/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM	UNITS	: MG/KG

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	50.0	47.7	95	45.8	92	4	( 70 - 130 )	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 702187
BATCH ID	: 022707B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 02/27/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM	UNITS	: MG/KG

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	50	44.6	89	44.9	90	1	( 70 - 130 )	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
MS/MSD

TEST : EPA 8015B GRO	PINNACLE I.D. : 702187
SAMPLE ID : 702187-01	DATE EXTRACTED : N/A
CLIENT : ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED : 02/27/2007
PROJECT # : (NONE)	SAMPLE MATRIX : NON-AQ
PROJECT NAME : BMG LANDFARM	UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	50.0	45.2	90	45.7	91	1	( 70 - 130 )	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST : EPA 8021B	PINNACLE I.D. : 702187
BATCH ID : 022607B	DATE EXTRACTED : NA
CLIENT : ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED : 02/26/2007
PROJECT # : (NONE)	SAMPLE MATRIX : NON-AQ
PROJECT NAME : BMG LANDFARM	UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.04	104	1.06	106	2	( 68 - 120 )	20
TOLUENE	<0.025	1.00	0.956	96	0.974	97	2	( 64 - 120 )	20
ETHYLBENZENE	<0.025	1.00	1.03	103	1.06	106	3	( 49 - 127 )	20
TOTAL XYLENES	<0.10	3.00	2.94	98	2.94	98	0	( 58 - 120 )	20
METHYL-t-BUTYL ETHER	<0.13	1.00	0.971	97	1.02	102	5	( 66 - 120 )	20

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 702187
BATCH ID	: 022707B	DATE EXTRACTED	: NA
CLIENT	: CAMP, DRESSER & McKEE, INC.	DATE ANALYZED	: 02/27/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: ROSWELL BULK	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	0.989	99	1.01	101	2	( 68 - 120 )	20
TOLUENE	<0.025	1.00	0.911	91	0.924	92	1	( 64 - 120 )	20
ETHYLBENZENE	<0.025	1.00	0.992	99	1.02	102	3	( 49 - 127 )	20
TOTAL XYLENES	<0.10	3.00	2.75	92	2.82	94	3	( 58 - 120 )	20
METHYL-t-BUTYL ETHER	<0.13	1.00	0.795	80	0.879	88	10	( 66 - 120 )	20

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
MS/MSD

TEST : EPA 8021B	PINNACLE I.D. : 702187
SAMPLE ID : 702152-10	DATE EXTRACTED : NA
CLIENT : ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED : 02/26/2007
PROJECT # : (NONE)	SAMPLE MATRIX : NON-AQ
PROJECT NAME : BMG LANDFARM	UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.06	106	1.05	105	1	( 68 - 120 )	20
TOLUENE	<0.025	1.00	0.982	98	0.971	97	1	( 64 - 120 )	20
ETHYLBENZENE	<0.025	1.00	1.06	106	1.05	105	1	( 49 - 127 )	20
TOTAL XYLENES	<0.10	3.00	2.97	99	2.91	97	2	( 58 - 120 )	20
METHYL-t-BUTYL ETHER	<0.13	1.00	0.865	87	0.715	71	19	( 66 - 120 )	20

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D. : 702187
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	ANALYST : DRK
PROJECT #	: (NONE)	
PROJECT NAME	: BMG LANDFARM	

SAMPLE	DATE	DATE	DATE	DIL.		
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	CELL #1 @ 2.5FT.	NON-AQ	02/16/2007	03/01/2007	03/02/2007	1
02	CELL #2 @ 2.5FT.	NON-AQ	02/16/2007	03/01/2007	03/02/2007	1
03	CELL #3 @ 2.5FT.	NON-AQ	02/16/2007	03/01/2007	03/02/2007	1

PARAMETER	DET. LIMIT	UNITS	CELL #1 @ 2.5FT.	CELL #2 @ 2.5FT.	CELL #3 @ 2.5FT.
FUEL HYDROCARBONS, C10-C22	10	MG/KG	< 10	< 10	12
FUEL HYDROCARBONS, C22-C36	10	MG/KG	< 10	< 10	< 10
CALCULATED SUM:					12

SURROGATE:			
O-TERPHENYL (%)		86	65 - S1      66 - S1
SURROGATE LIMITS	( 70-130 )		

CHEMIST NOTES:

SCREEN HYDROCARBONS, C6-C10	10	MG/KG	< 10	< 10	< 10
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**S1 = Surrogate does not meet PLI criteria - low.**

GAS CHROMATOGRAPHY RESULTS  
EXTRACTION BLANK

TEST : EPA 8015 MODIFIED (DIRECT INJECT) PINNACLE I.D. : 702187  
 BLANK I.D. : 030107F DATE EXTRACTED : 03/01/2007  
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES DATE ANALYZED : 03/02/2007  
 PROJECT # : (NONE) SAMPLE MATRIX : NON-AQ  
 PROJECT NAME : BMG LANDFARM ANALYST : DRK

PARAMETER	UNITS	
FUEL HYDROCARBONS, C10-C22	MG/KG	< 10
FUEL HYDROCARBONS, C22-C36	MG/KG	< 10

SURROGATE:  
 O-TERPHENYL (%) 87  
 SURROGATE LIMITS (70-130)

CHEMIST NOTES:  
 SCREEN HYDROCARBONS, C6-C10 < 10

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 702187
BATCH ID	: 030107F	DATE EXTRACTED	: 03/01/2007
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 03/02/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM	UNITS	: MG/KG

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED BLANK	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	220	110	229	114	4	(75-125)	20
HYDROCARBON RANGE	C10-C32								
HYDROCARBONS QUANTITATED USING DIESEL FUEL									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
MS/MSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 702187
SAMPLE ID	: 702187-01	DATE EXTRACTED	: 03/01/2007
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 03/02/2007
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	224	112	189	95	17	(70-130)	20
HYDROCARBON RANGE		C10-C32							
HYDROCARBONS QUANTITATED USING DIESEL FUEL									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



# Pinnacle Laboratories Inc.

# CHAIN OF CUSTODY

DATE: 1248 PAGE: 1 OF 1

PLI Accession #: 702187

PROJECT MANAGER: Ross Kennemer

COMPANY: Ames Environmental Services

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

BILL TO: AFS

COMPANY:

ADDRESS:

ANALYSIS REQUEST	SAMPLE ID	DATE	TIME	MATRIX	LAB ID	NUMBER OF CONTAINERS		
						W	M	W
Petroleum Hydrocarbons (418-1) TRPH	Cell #1 @ 2.5 ft.	2/16/07	1210	Soil	01			
(MOD.8015) Diesel/Direct Inject	Cell #2 @ 2.5 ft.	2/16/07	1235	Soil	02			
TPH (8015) Gas/Purge & Trap	Cell #3 @ 2.5 ft.	2/16/07	1248	Soil	03			
8021 (BTEX)/8015 (Gasoline) MTBE								
8021 (BTEX) DMTBE DMB DPCB								
8021 (TCL)								
8021 (EDX)								
8021 (HALO)								
8021 (CUST)								
504.1 EDB DBCP								
8260 (TCL) Volatile Organics								
8260 (Full) Volatile Organics								
8260 (CUST) Volatile Organics								
8260 (Landfill) Volatile Organics								
Pesticides/PCB (608/8081/8082)								
Herbicides (615/8151)								
Base/Neutral/Acid Compounds GC/MS (625/8270)								
Polynuclear Aromatics (610/8310/8270-SIMS)								
General Chemistry:								
Priority Pollutant Metals (13)								
Target Analyte List Metals (23)								
RCRA Metals (8)								
RCRA Metals by TCLP (Method 1311)								
Metals:								

SHADED AREAS ARE FOR LAB USE ONLY

### WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

**PROJECT INFORMATION**

PROJ. NO.: \_\_\_\_\_

PROJ. NAME: BMG Landfarm

P.O. NO.: \_\_\_\_\_

SHIPPED VIA: UPS

**SAMPLE RECEIPT**

NO CONTAINERS: 9

CUSTODY SEALS: Y DNA

RECEIVED INTACT: YPS

BLUE ICE: 5.8 L

**RELINQUISHED BY:**

Signature: Nathan Willis Time: 1520

Printed Name: Nathan Willis Date: 2/16/07

Company: AFS

See Reverse Side (Force Majeure)

**RECEIVED BY:**

Signature: Nathan Willis Time: 1520

Printed Name: Nathan Willis Date: 2/16/07

Company: AFS

**RELINQUISHED BY:**

Signature: Nathan Willis Time: 1400

Printed Name: Nathan Willis Date: 2/16/07

Company: AFS

**RECEIVED BY:**

Signature: Nathan Willis Time: 1234

Printed Name: Nathan Willis Date: 2/16/07

Company: Pinnacle Laboratories Inc.

**PROJECT INFORMATION**

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS (NORMAL)  (RUSH)  24hr  48hr  72hr  1 WEEK

CERTIFICATION REQUIRED  NM  SDWA  AZ  OTHER

METHANOL PRESERVATION  METALS  TOTAL  DISSOLVED

COMMENTS: Nathan Willis collected samples

PLEASE FILL THIS FORM IN COMPLETELY.



June 29, 2007

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

**RE: Results of May 2007 Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico**

Dear Mr. Dimond:

On May 22, 2007, 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.

**Sampling Procedures**

As required by the New Mexico Oil Conservation Division (NMOCD) permit for this facility, one random soil sample was collected from the active treatment cells. Sample collection depths for the three treatment cells sampled was 3 feet below surface grade. 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 4°C until delivered to the analytical laboratory, Pinnacle Laboratories, Albuquerque, New Mexico. A Chain of Custody was completed at the time the samples were delivered to the laboratory.

**Laboratory Analytical Methods**

Each soil sample was analyzed for total petroleum hydrocarbons (TPH) per EPA Method 8015 and benzene, toluene, ethylbenzene, and xylene (BTEX) per EPA Method 8021. Samples collected for BTEX analysis were field-preserved with methanol at the time of collection with materials and equipment supplied by the laboratory. Additionally, as required annually, one sample was also collected from each location for analysis of major cations and anions. These analyses included: 1) pH per EPA Method 9045C; 2) electrical conductivity per EPA Method ASA M9; 3) chloride, sulfate as SO<sub>4</sub>, and fluoride per EPA Method 300.0; 4) Mercury per EPA Method 7471A; and 5) metals per EPA Method 6010B. Please note that alkalinity and total dissolved solids (TDS) analyses were requested but were not analyzed due to lab capabilities.



**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. Noteworthy analytical results for this sampling event include: total petroleum hydrocarbon (TPH) diesel range organics (DRO) levels of 752 mg/kg in Cell #1; and an increase in the concentrations of calcium, magnesium, potassium, arsenic, barium, chromium, and lead in each cell since the June 2006 sampling event. 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 August 2007. If you have any questions regarding the sampling procedures or results, please do not hesitate to contact me or Elizabeth McNally at (505) 564-2281.

Sincerely,

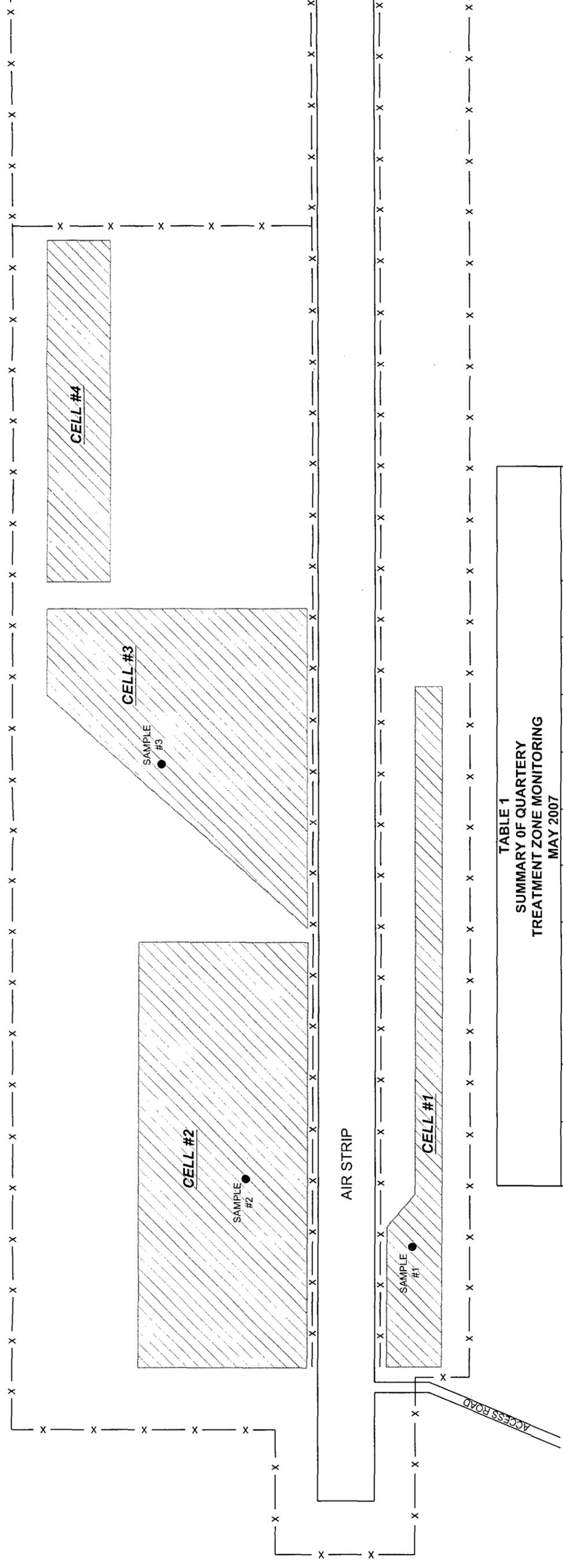


Ross Kennemer  
Project Manager

Attachments: Figure 1. Treatment Zone Monitoring Locations  
Pinnacle Laboratory Analytical Reports

Files/2007/BMG/Landfarm Sampling/gcbmg062007

DRAWN BY: 06-27-07 | APPROVED BY: 06-27-07  
 NCW CHECKED BY: RK  
 REVISIONS BY: Ross DATE: 06-29-07

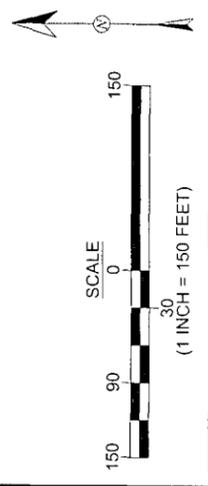


**TABLE 1**  
**SUMMARY OF QUARTERLY**  
**TREATMENT ZONE MONITORING**  
**MAY 2007**

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 AND DRO) C6-C10 (mg/kg)
CELL #1	#1	N 36°23.372' W 106°52.046'	05/22/07	3	<0.025	<0.025	<0.025	<0.10	<10
CELL #2	#2	N 36°23.416' W 106°52.003'	05/22/07	3	<0.025	<0.025	<0.025	<0.10	<20
CELL #3	#3	N 36°23.359' W 106°51.865'	05/22/07	3	<0.025	<0.025	<0.025	<0.10	<20
CELL #4		NOT IN USE; NO SAMPLE	05/22/07						

**TABLE 1A.**  
**SUMMARY OF QUARTERLY**  
**TREATMENT ZONE MONITORING**  
**MAY 2007**

LANDFARM I.D.	SAMPLE I.D.	SAMPLE DATE	SAMPLE DEPTH (ft.)	pH	Bicarbonate (mg/l)	Carbonate (mg/l)	Alkalinity as CaCO <sub>3</sub> (mg/l)	Specific Conductance (umhos/cm)	Chloride (mg/kg)	Sulfate as SO <sub>4</sub> (mg/kg)	Flouride (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)
CELL #1	#1	05/22/07	3	7.37	NA	NA	NA	NA	23.5	20.3	4.26	8,000	2,820	64
CELL #2	#2	05/22/07	3	7.59	NA	NA	NA	NA	17.4	19.9	4.94	6,690	2,230	64
CELL #3	#3	05/22/07	3	7.30	NA	NA	NA	NA	57.6	45.2	5.01	5,570	2,660	70



**FIGURE 1**  
**BENSON-MONTIN-GREER**  
**CENTRALIZED SURFACE WASTE**  
**MANAGEMENT FACILITY**  
**MONITORING LOCATIONS**  
**MAY 2007**  
 NW 1/4, NW 1/4, SEC. 20, T25N, R1E,  
 RIO ARRIBA, CO., NM

# PINNACLE LABS

Environmental Testing

Pinnacle Lab ID number **705152**  
June 19, 2007

ANIMAS ENVIRONMENTAL SERVICES  
624 EAST COMMANCHE  
FARMINGTON, NM 87401

Project Name BMG LAND FARM  
Project Number 040605

Attention: GWEN FROST

On 05/24/2007 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **non-aq** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

**TDS and Alkalinity are performed on aqueous samples only. Therefore, these tests were not performed.**

EPA Methods 8015 and 8021 analyses were performed by Pinnacle Laboratories, Inc. (PLI).

All other analyses were performed by SVL Analytical, Inc., Kellogg, ID.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



H. Mitchell Rubenstein, Ph.D.  
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

# PINNACLE LABS

Environmental Testing

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 705152
PROJECT #	: 040605	DATE RECEIVED	: 05/24/2007
PROJECT NAME	: BMG LAND FARM	REPORT DATE	: 06/19/2007
PINNACLE		DATE	
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
705152 - 01	CELL #1	NON-AQ	05/22/2007
705152 - 02	CELL #2	NON-AQ	05/22/2007
705152 - 03	CELL #3	NON-AQ	05/22/2007

## GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO - METHANOL PRESERVATION  
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 705152  
 PROJECT # : 040605 ANALYST : DRK  
 PROJECT NAME : BMG LAND FARM

SAMPLE			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	CELL #1	NON-AQ	05/22/2007	NA	06/05/2007	1
02	CELL #2	NON-AQ	05/22/2007	NA	06/05/2007	1
03	CELL #3	NON-AQ	05/22/2007	NA	06/05/2007	1

PARAMETER	DET. LIMIT	UNITS	CELL #1	CELL #2	CELL #3
FUEL HYDROCARBONS	10	MG/KG	< 10	< 10	< 10
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE

BENZENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025
TOLUENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025
ETHYLBENZENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025
TOTAL XYLENES	0.10	MG/KG	< 0.10	< 0.10	< 0.10

SURROGATE:					
BROMOFLUOROBENZENE (%)			119	<b>122-S2</b>	115
SURROGATE LIMITS	( 80 - 120 )				
DRY WEIGHT (%)			83	84	86

CHEMIST NOTES:  
**S2 = Surrogate does not meet PLI criteria - high.**

GAS CHROMATOGRAPHY RESULTS  
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 705152
BLANK I.D.	: 060507B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/05/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	ANALYST	: DRK

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/KG	<5.0
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.050
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.10
SURROGATE:		
BROMOFLUOROBENZENE (%)		95
SURROGATE LIMITS	( 80 - 120 )	

CHEMIST NOTES:  
N/A

GAS CHROMATOGRAPHY RESULTS  
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 705152
BLANK I.D.	: 061107B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/11/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	ANALYST	: DRK

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.050
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.10
SURROGATE:		
BROMOFLUOROBENZENE (%)		115
SURROGATE LIMITS	( 80 - 120 )	

CHEMIST NOTES:  
N/A

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 705152
BATCH ID	: 060507B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/05/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	0.921	92	0.977	98	6	( 68 - 120 )	20
TOLUENE	<0.025	1.00	0.858	86	0.903	90	5	( 64 - 120 )	20
ETHYLBENZENE	<0.025	1.00	0.964	96	1.02	102	6	( 49 - 127 )	20
TOTAL XYLENES	<0.10	3.00	2.65	88	2.80	93	6	( 58 - 120 )	20

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 705152
BATCH ID	: 061107B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/11/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.14	114	1.09	109	4	( 68 - 120 )	20
TOLUENE	<0.025	1.00	1.05	105	1.02	102	3	( 64 - 120 )	20
ETHYLBENZENE	<0.025	1.00	1.21	121	1.17	117	3	( 49 - 127 )	20
TOTAL XYLENES	<0.10	3.00	3.33	111	3.23	108	3	( 58 - 120 )	20

CHEMIST NOTES:

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 705152
SAMPLE ID	: 706005-01	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/12/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.15	115	1.14	114	0	( 68 - 120 )	20
TOLUENE	<0.025	1.00	1.10	110	1.09	109	1	( 64 - 120 )	20
ETHYLBENZENE	<0.025	1.00	1.22	122	1.20	120	2	( 49 - 127 )	20
TOTAL XYLENES	<0.10	3.00	3.52	117	3.47	116	1	( 58 - 120 )	20

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 705152
BATCH ID	: 060507B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/0507
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	UNITS	: MG/KG

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	50	47.7	95	45.7	91	4	( 70 - 130 )	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 705152
BATCH ID	: 061107B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/11/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	UNITS	: MG/KG

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<5.0	50.0	47.4	95	46.9	94	1	( 70 - 130 )	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
MS/MSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 705152
SAMPLE ID	: 706005-01	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/12/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	50.0	52.1	104	45.3	91	14	( 70 - 130 )	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



GAS CHROMATOGRAPHY RESULTS  
EXTRACTION BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 705152
BLANK I.D.	: 060507FS	DATE EXTRACTED	: 06/05/2007
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/05/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	ANALYST	: DRK

PARAMETER	UNITS	
FUEL HYDROCARBONS, C10-C22	MG/KG	< 10
FUEL HYDROCARBONS, C22-C36	MG/KG	< 10

SURROGATE:  
O-TERPHENYL (%) 80  
SURROGATE LIMITS (70-130)

CHEMIST NOTES:  
N/A

GAS CHROMATOGRAPHY RESULTS  
EXTRACTION BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 705152
BLANK I.D.	: 060507FS	DATE EXTRACTED	: 06/05/2007
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/11/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	ANALYST	: DRK

PARAMETER	UNITS	
FUEL HYDROCARBONS, C10-C22	MG/KG	< 10
FUEL HYDROCARBONS, C22-C36	MG/KG	< 10

SURROGATE:  
O-TERPHENYL (%) 81  
SURROGATE LIMITS (70-130)

CHEMIST NOTES:  
N/A

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 705152
BATCH ID	: 060507FS	DATE EXTRACTED	: 06/05/2007
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/11/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	UNITS	: MG/KG

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED BLANK	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	231	116	229	114	1	(75-125)	20
HYDROCARBON RANGE	C10-C32								
HYDROCARBONS QUANTITATED USING DIESEL FUEL									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
MS/MSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 705152
SAMPLE ID	: 705152-01	DATE EXTRACTED	: 06/05/2007
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/05/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LAND FARM	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	42	200	210	84	177	<b>68-M4</b>	17	(70-130)	20
HYDROCARBON RANGE	C10-C32								
HYDROCARBONS QUANTITATED USING DIESEL FUEL									

CHEMIST NOTES:

**M4 = %REC is outside of PLI criteria. Matrix effects are suspected.**

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



**SVL ANALYTICAL, INC.**

One Government Gulch ■ P.O. Box 929 ■ Kellogg, Idaho 83837-0929 ■ Phone: (208)784-1258 ■ Fax: (208)783-0891

Certificate: ID ID00019

CLIENT : Pinnacle Laboratories, Inc.	SVL JOB: 129520
PROJECT: 70512	SAMPLE: 577476
CLIENT SAMPLE ID: CELL #2/705152-02	
Sample Collected: 5/22/07 11:30	
Sample Receipt : 5/25/07	Matrix: SOIL
Date of Report : 6/11/07	

Determination	Result	Units	Dilution	Method	Analyzed
ELECTRICAL COND.	0.32	mmhos/cm		ASA M9	6/11/07
pH Soil	7.59 @ 22°C			9045C	6/11/07
Calcium	6690	mg/kg		6010B	6/11/07
Chloride	17.4	mg/kg		300.0	6/08/07
Fluoride	4.94	mg/kg		300.0	6/08/07
Potassium	1650	mg/kg		6010B	6/11/07
Magnesium	2230	mg/kg		6010B	6/11/07
Sodium	64	mg/kg		6010B	6/11/07
Sulfate, SO4	19.9	mg/kg		300.0	6/08/07
Silver	<0.50	mg/kg		6010B	6/11/07
Arsenic	5.3	mg/kg		6010B	6/11/07
Barium	171	mg/kg		6010B	6/11/07
Cadmium	0.34	mg/kg		6010B	6/11/07
Chromium	54.5	mg/kg		6010B	6/11/07
Mercury	<0.033	mg/kg		7471A	6/06/07
Lead	10.60	mg/kg		6010B	6/11/07
Selenium	<4	mg/kg		6010B	6/11/07

Tests: RCRA METALS - SOIL | ANIONS | CATIONS | pH (SOIL) | EC SOIL |

Reviewed By: *[Signature]* Date 6/11/07  
 6/11/07 16:13

AZ: AZ0538 CA: CERT NO. 2080 CO: CERT NO. ID00019 ID: ID00019 MT: CERT. 0027 NV: CERT. ID19 WA: C1268

**SVL ANALYTICAL, INC.**

One Government Gulch ■ P.O. Box 929 ■ Kellogg, Idaho 83837-0929 ■ Phone: (208)784-1258 ■ Fax: (208)783-0891

Certificate: ID I000019

CLIENT : Pinnacle Laboratories, Inc.	SVL JOB: 129520
PROJECT: 70512	SAMPLE: 577477
CLIENT SAMPLE ID: CELL #3/705152-03	
Sample Collected: 5/22/07 12:00	
Sample Receipt : 5/25/07	Matrix: SOIL
Date of Report : 6/11/07	

Determination	Result	Units	Dilution	Method	Analyzed
ELECTRICAL COND.	0.64	mmhos/cm		ASA M9	6/11/07
pH Soil	7.30 @ 22°C			9045C	6/11/07
Calcium	5570	mg/kg		6010B	6/11/07
Chloride	57.6	mg/kg		300.0	6/08/07
Fluoride	5.01	mg/kg		300.0	6/08/07
Potassium	2620	mg/kg		6010B	6/11/07
Magnesium	2660	mg/kg		6010B	6/11/07
Sodium	70	mg/kg		6010B	6/11/07
Sulfate, SO4	45.2	mg/kg		300.0	6/08/07
Silver	<0.50	mg/kg		6010B	6/11/07
Arsenic	4.9	mg/kg		6010B	6/11/07
Barium	181	mg/kg		6010B	6/11/07
Cadmium	0.37	mg/kg		6010B	6/11/07
Chromium	36.9	mg/kg		6010B	6/11/07
Mercury	<0.033	mg/kg		7471A	6/06/07
Lead	13.90	mg/kg		6010B	6/11/07
Selenium	<4	mg/kg		6010B	6/11/07

NO TIME ON 2ND SAMPLE LABEL.

Tests:RCRA METALS - SOIL|ANIONS|CATIONS|pH (SOIL)|EC SOIL|

Reviewed By: *[Signature]* Date 6/12/07  
6/11/07 16:13

AZ: AZ0538 CA: CERT NO. 2080 CO: CERT NO. I000019 ID: I000019 MT: CERT. 0027 NV: CERT. ID19 WA: C1268

Client :Pinnacle Laboratories, Inc.							SVL JOB No: 129520	
Analyte	Method	Matrix	Units	Prep Blank	True—LCS—Found	LCS %R	Analysis Date	
Silver	6010B	SOIL	mg/kg	<0.50	5.00	5.06	101.2	6/11/07
Arsenic	6010B	SOIL	mg/kg	<2.5	100	91.1	91.1	6/11/07
Barium	6010B	SOIL	mg/kg	<0.20	100	95.5	95.5	6/11/07
Calcium	6010B	SOIL	mg/kg	<4.0	2000	1930	96.5	6/11/07
Cadmium	6010B	SOIL	mg/kg	<0.20	100	98.5	98.5	6/11/07
Chromium	6010B	SOIL	mg/kg	<0.60	100	107	107.0	6/11/07
Potassium	6010B	SOIL	mg/kg	<50	2000	1990	99.5	6/11/07
Magnesium	6010B	SOIL	mg/kg	<6.0	2000	2040	102.0	6/11/07
Sodium	6010B	SOIL	mg/kg	<50	1900	1870	98.4	6/11/07
Lead	6010B	SOIL	mg/kg	<0.75	100	99.6	99.6	6/11/07
Selenium	6010B	SOIL	mg/kg	<4	100	91	91.0	6/11/07
Mercury	7471A	SOIL	mg/kg	<0.033	0.834	0.905	108.5	6/06/07
Chloride	300.0	SOIL	mg/kg	<2.00	299	287	96.0	6/08/07
Fluoride	300.0	SOIL	mg/kg	<1.00	76.1	74.7	98.2	6/08/07
Sulfate, SO4	300.0	SOIL	mg/kg	<3.00	297	307	103.4	6/08/07
ELECTRICAL COND.	ASA M9	SOIL	mmhos/cm	<0.01	0.39	0.41	105.1	6/11/07
pH Soil	9045C	SOIL		6.82	7.68	7.53	98.0	6/11/07

LEGEND:

LCS = Laboratory Control Sample

LCS %R = LCS Percent Recovery

N/A = Not Applicable

Client :Pinnacle Laboratories, Inc.										SVL JOB No: 129520	
Test Method Mtx	QC SAMPLE ID		Duplicate or Found	MSD RPD%	Matrix Spike			Analysis Date			
	Units	Result			Result	SPK ADD	%R				
Ag	6010B S	1 mg/kg	<0.50	5.21	M	0.4	5.19	5.00	103.8	6/11/07	
As	6010B S	1 mg/kg	5.4	96.2	M	2.6	93.7	100	88.3	6/11/07	
Ba	6010B S	1 mg/kg	169	283	M	0.7	281	100	112.0	6/11/07	
Ca	6010B S	1 mg/kg	8000	10300	M	1.0	10200	2000	110.0	6/11/07	
Cd	6010B S	1 mg/kg	0.26	95.3	M	0.1	95.2	100	94.9	6/11/07	
Cr	6010B S	1 mg/kg	33.9	149	M	2.0	146	100	112.1	6/11/07	
K	6010B S	1 mg/kg	2460	5180	M	2.5	5050	2000	129.5	6/11/07	
K	6010B S	1 mg/kg	2460	N/A		N/A	4130	2000	A	83.5	6/11/07
Mg	6010B S	1 mg/kg	2820	6320	M	1.8	6210	2000		169.5	6/11/07
Mg	6010B S	1 mg/kg	2820	N/A		N/A	4430	2000	A	80.5	6/11/07
Na	6010B S	1 mg/kg	64	2010	M	1.0	1990	1900		101.4	6/11/07
Pb	6010B S	1 mg/kg	11.90	110	M	0.9	109	100		97.1	6/11/07
Se	6010B S	1 mg/kg	<4	86	M	2.4	84	100		84.0	6/11/07
Hg	7471A S	1 mg/kg	<0.033	0.155	M	11.0	0.173	0.167		103.6	6/06/07
Cl	300.0 S	1 mg/kg	23.5	20.9		11.7	52.9	30.0		98.0	6/08/07
F	300.0 S	1 mg/kg	4.26	5.49		25.2	24.7	20.0		102.2	6/08/07
SO4	300.0 S	1 mg/kg	20.3	19.8		2.5	118	100		97.7	6/08/07
EC	ASA M9 S	1 mmhos/c	0.43	0.35		20.5	N/A	N/A		N/A	6/11/07
pH-S	9045C S	1	7.37	7.60		3.1	N/A	N/A		N/A	6/11/07

LEGEND:

RPD% = (|SAM - DUP| / ((SAM + DUP) / 2)) \* 100 UDL = Both SAM & DUP not detected. \*Result or \*Found: Interference required dilution.

RPD% = (|SPK - MSD| / ((SPK + MSD) / 2)) \* 100 M in Duplicate/MSD column indicates MSD.

SPIKE ADD column, A = Post Digest Spike; %R = Percent Recovery N/A = Not Analyzed; R > 4S = Result more than 4X the Spike Added

QC limits for MS recoveries apply only if the spike is at least 1/4 the concentration of the analyte in the sample.

Control limits for the RPD apply only if the concentration of the analyte in the sample is at least five times the reporting limit.

QC Sample 1: SVL SAM No.: 577475 Client Sample ID: CELL #1/705152-01

SVL ANALYTICAL, INC.  
 One Government Gulch - Kellogg, ID 83837-0929

We will invoice: SAME

CLIENT: Mitch Rubenstein  
 Pinnacle Laboratories, Inc.  
 2709D Pan Amr.Freeway NE

Albuquerque NM 87107  
 PH: (000)000-0000

FAX: (000)000-0000

SOIL RCRA/CL/F/SO4/COND  
 SVL JOB No: 129520  
 Received: 5/25/07  
 Expected Due date: 6/11/07

SVL#	M	ClientID	Sampled	Time	By	Received	Sample Comments
577475	S	CELL #1/705152-01	5/22/07	11:00		5/25/07	Tests:RCRA METALS - SOIL ANIONS   CATIONS   pH (SOIL)   EC SOIL
577476	S	CELL #2/705152-02	5/22/07	11:30		5/25/07	Tests:RCRA METALS - SOIL ANIONS   CATIONS   pH (SOIL)   EC SOIL
577477	S	CELL #3/705152-03	5/22/07	12:00		5/25/07	NO TIME ON 2ND SAMPLE LABEL. Tests:RCRA METALS - SOIL ANIONS   CATIONS   pH (SOIL)   EC SOIL

ADDITIONAL COMMENTS FOR JOB: Sample Cooler temp: 7.3°C.

[ ] These samples will be DISPOSED 45 days after job completion.  
 [X] These samples will be ARCHIVED 45 days, then you will receive a letter requesting disposal options.

Please contact Crystal Sevy (208-784-1258) if you have questions regarding the receipt of these samples. 5/25/07 16:22







September 13, 2007

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

**RE: Results of August 2007 Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico**

Dear Mr. Dimond:

On August 16, 2007, 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.

**Sampling Procedures**

As required by the New Mexico Oil Conservation Division (NMOCD) permit for this facility, one random soil sample was collected from the active treatment cells. Sample collection depth for the three treatment cells sampled was 2.5 feet below surface grade. 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 4°C until delivered to the analytical laboratory, Pinnacle Laboratories, Albuquerque, New Mexico. A Chain of Custody was completed at the time the samples were delivered to the laboratory.

**Laboratory Analytical Methods**

Each soil sample was analyzed for chloride per EPA method 300.1, total petroleum hydrocarbons (TPH) per EPA Method 8015, and benzene, toluene, ethylbenzene, and xylene (BTEX) per EPA Method 8021. Samples collected for BTEX analysis were field-preserved with methanol at the time of collection with materials and equipment supplied by Pinnacle Laboratories.

**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. Noteworthy analytical results for this sampling event include: TPH diesel range organics (DRO) levels of 660 mg/kg in Cell #1, toluene concentrations above the detection limit of 0.025 mg/kg in Cell #1 (0.031 mg/kg) and Cell #3 (0.078



mg/kg), ethylbenzene concentrations above the detection limit of 0.025 mg/kg in Cell #2 (0.028 mg/kg) and Cell #3 (0.049 mg/kg), and xylene concentrations above the detection limit of 0.10 mg/kg in MW-3 (0.18 mg/kg). Chloride concentrations were below the applicable standard of 500 mg/kg in each of the cells. 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 November 2007. If you have any questions regarding the sampling procedures or results, please do not hesitate to contact me or Ross Kennemer at (505) 564-2281.

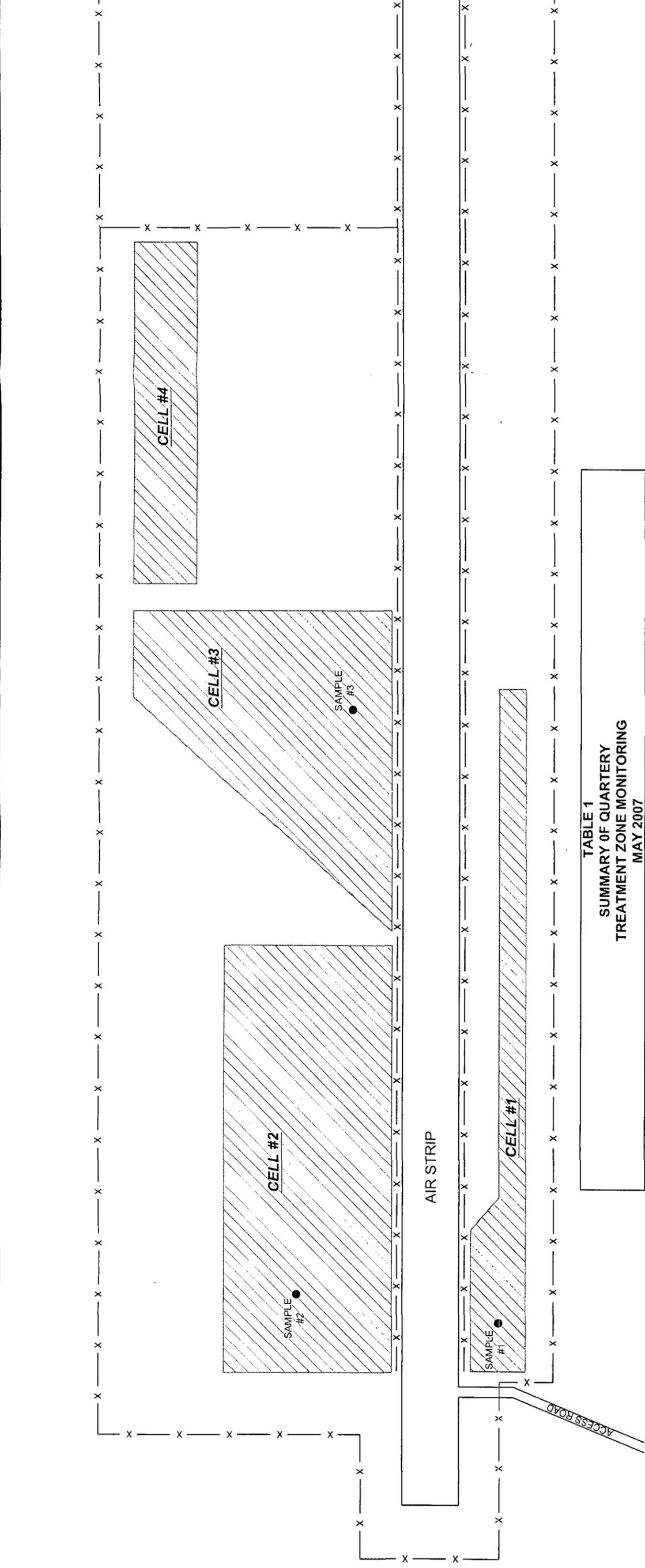
Sincerely,



Lany Cupps  
Project Manager

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

REVISIONS	EM	09-13-07	CHECKED BY	NCW	09-11-07	APPROVED BY	EM	09-13-07	BY: Nathan	DATE: 09-13-07

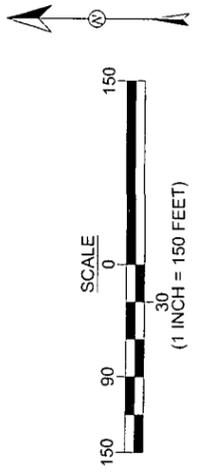


**TABLE 1**  
SUMMARY OF QUARTERLY  
TREATMENT ZONE MONITORING  
MAY 2007

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 AND DRO) C6-C10 (mg/kg)	C10-C36 (mg/kg)
CELL #1	#1	N 36°23.365' W 106°52.030'	08/16/07	2.5	<0.025	0.031	<0.025	<0.10	<10	660
CELL #2	#2	N 36°23.397' W 106°51.996'	08/16/07	2.5	<0.025	<0.025	0.028	<0.10	<10	<10
CELL #3	#3	N 36°23.340' W 106°51.574'	08/16/07	2.5	<0.025	0.078	0.049	0.18	<10	<10
CELL #4		NOT IN USE, NO SAMPLE	08/16/07							

**TABLE 1A.**  
SUMMARY OF QUARTERLY  
TREATMENT ZONE MONITORING  
MAY 2007

LANDFARM I.D.	SAMPLE I.D.	SAMPLE DATE	SAMPLE DEPTH (ft.)	Chloride (mg/kg)
CELL #1	#1	08/16/07	2.5	47.7
CELL #2	#2	08/16/07	2.5	5.34
CELL #3	#3	08/16/07	2.5	2.86



**FIGURE 1**  
BENSON-MONTIN-GREER  
CENTRALIZED SURFACE WASTE  
MANAGEMENT FACILITY  
MONITORING LOCATIONS  
AUGUST 2007  
NW1/4, NW1/4, SEC. 20, T25N, R1E,  
RIO ARRIBA, CO., NM

**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-C36) (mg/kg)
Cell #1	#1	N 36° 23.371' W 106° 52.031'	6/21/2004	2	<0.025	<0.025	<0.025	<0.050	<20	NA
Cell #1	#1	N 36° 23.371' W 106° 52.031'	3/7/2006	2	<0.025	<0.025	<0.025	<0.10	<10	18
Cell #1	#1	N 36° 23.355' W 106° 51.998'	2/16/2007	2.5	<0.025	<0.025	<0.025	<0.10	<10	<10
Cell #1	#1	N 36° 23.372' W 106° 52.046'	5/22/2007	3	<0.025	<0.025	<0.025	<0.10	<10	752
Cell #1	#1	N 36° 23.365' W 106° 52.030'	8/16/2007	2.5	<0.025	0.031	<0.025	<0.10	<10	660
Cell #2	#1	N 36° 23.386' W 106° 52.932'	6/21/2004	2	<0.025	<0.025	<0.025	<0.050	<20	NA
Cell #2	#1	N 36° 23.386' W 106° 52.932'	3/7/2006	2	<0.025	<0.025	<0.025	<0.10	<10	52
Cell #2	#1	N 36° 23.393' W 106° 51.996'	2/16/2007	2.5	<0.025	<0.025	0.03	<0.10	<10	<10
Cell #2	#1	N 36° 23.416' W 106° 52.003'	5/22/2007	3	<0.025	<0.025	<0.025	<0.10	<10	<20
Cell #2	#1	N 36° 23.397' W 106° 51.996'	8/16/2007	2.5	<0.025	<0.025	0.028	<0.10	<10	<10
Cell #3	#1	N 36° 23.351' W 106° 51.882'	6/21/2004	2	<0.025	<0.025	<0.025	<0.050	<20	NA
Cell #3	#1	N 36° 23.351' W 106° 51.882'	3/7/2006	2	<0.025	<0.025	<0.025	<0.10	<10	NA
Cell #3	#1	N 36° 23.386' W 106° 51.974'	2/16/2007	2.5	<0.025	0.034	0.041	<0.10	<10	12
Cell #3	#1	N 36° 23.359' W 106° 51.865'	5/22/2007	3	<0.025	<0.025	<0.025	<0.10	<10	<20
Cell #3	#1	N 36° 23.340' W 106° 51.574'	8/16/2007	2.5	<0.025	0.078	0.049	0.18	<10	<10
Cell #4	#1	N 36° 23.363' W 106° 51.784'	6/21/2004	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 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	6/7/2006	2.5	33.7
Cell #1	#1	5/22/2007	3	23.5*
Cell #1	#1	8/16/2007	2.5	47.7*
Cell #2	#1	6/7/2006	2.5	20.4
Cell #2	#1	5/22/2007	3	17.4*
Cell #2	#1	8/16/2007	2.5	5.34*
Cell #3	#1	6/7/2006	2.5	26.3
Cell #3	#1	5/22/2007	3	57.6*
Cell #3	#1	8/16/2007	2.5	2.86*

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



Pinnacle Lab ID number      **708173**  
September 06, 2007

ANIMAS ENVIRONMENTAL SERVICES  
624 EAST COMMANCHE  
FARMINGTON,      NM      87401

Project Name              BMG LANDFARM SAMPLING  
Project Number          040605

Attention:      LANNY CUPPS

On 08/21/2007 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **non-aq** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Method 8021/8015 analyses were performed by Pinnacle Laboratories, Inc. (PLI).

All remaining analyses were performed by SVL Analytical, Kellogg, ID.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

A handwritten signature in black ink, appearing to read "H. Rubenstein".

H. Mitchell Rubenstein, Ph.D.  
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

# PINNACLE LABS

Environmental Testing

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 708173
PROJECT #	: 040605	DATE RECEIVED	: 08/21/2007
PROJECT NAME	: BMG LANDFARM SAMPLING	REPORT DATE	: 09/06/2007
PINNACLE		DATE	
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
708173 - 01	CELL #1	NON-AQ	08/16/2007
708173 - 02	CELL #2	NON-AQ	08/16/2007
708173 - 03	CELL #3	NON-AQ	08/16/2007

## GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO - METHANOL PRESERVATION  
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 708173  
 PROJECT # : 040605 ANALYST : ARM  
 PROJECT NAME : BMG LANDFARM SAMPLING

SAMPLE		DATE	DATE	DATE	DIL.	
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	CELL #1	NON-AQ	08/16/07	NA	08/23/07	1
02	CELL #2	NON-AQ	08/16/07	NA	08/23/07	1
03	CELL #3	NON-AQ	08/16/07	NA	08/23/07	1
PARAMETER	DET. LIMIT	UNITS	CELL #1	CELL #2	CELL #3	
FUEL HYDROCARBONS	10	MG/KG	< 10	< 10	< 10	
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10	
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE	
BENZENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025	
TOLUENE	0.025	MG/KG	0.031	< 0.025	0.078	
ETHYLBENZENE	0.025	MG/KG	< 0.025	0.028	0.049	
TOTAL XYLENES	0.10	MG/KG	< 0.10	< 0.10	0.18	
SURROGATE:						
BROMOFLUOROBENZENE (%)			104	108	108	
SURROGATE LIMITS	( 80 - 120 )					
DRY WEIGHT (%)			82	94	89	

CHEMIST NOTES:  
N/A

GAS CHROMATOGRAPHY RESULTS  
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 708173
BLANK I.D.	: 082307B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 08/23/07
PROJECT #	: 040605	SAMPLE MATRIX	: FP
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: ARM

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/KG	<10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.10
SURROGATE:		
BROMOFLUOROBENZENE (%)		107
SURROGATE LIMITS	( 80 - 120 )	

CHEMIST NOTES:  
N/A



GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 708173
BATCH ID	: 082307B	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 08/23/07
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM SAMPLING	UNITS	: MG/KG

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	50	46.2	92	41.4	83	11	( 70 - 130 )	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
MS/MSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 708173
SAMPLE ID	: 708173-01	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 08/23/07
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM SAMPLING	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	50.0	68.1	<b>136 M4</b>	45.3	91	<b>40 M3</b>	( 70 - 130 )	20
HYDROCARBON RANGE	C6-C10								
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:

**M3 = RPD is outside of PLI criteria. Matrix effects suspected.**  
**M4 = %REC is outside of PLI criteria. Matrix effects suspected**

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 708173
BATCH ID	: 082307B	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 08/23/07
PROJECT #	: 040605	SAMPLE MATRIX	: FP
PROJECT NAME	: BMG LANDFARM SAMPLING	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.12	112	1.09	109	2	( 80 - 120 )	20
TOLUENE	<0.025	1.00	0.969	97	0.962	96	1	( 80 - 120 )	20
ETHYLBENZENE	<0.025	1.00	1.04	104	1.02	102	2	( 80 - 120 )	20
TOTAL XYLENES	<0.10	3.00	2.97	99	2.99	100	1	( 80 - 120 )	20

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL  
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 708173
SAMPLE ID	: 708173-01	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 08/23/07
PROJECT #	: 040605	SAMPLE MATRIX	: FP
PROJECT NAME	: BMG LANDFARM SAMPLING	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.13	113	1.12	112	1	( 80 - 120 )	20
TOLUENE	<0.025	1.00	0.987	99	0.977	98	1	( 80 - 120 )	20
ETHYLBENZENE	<0.025	1.00	1.07	107	1.05	105	2	( 80 - 120 )	20
TOTAL XYLENES	<0.10	3.00	3.03	101	3.00	100	1	( 80 - 120 )	20

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)  
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES  
 PROJECT # : 040605  
 PROJECT NAME : BMG LANDFARM SAMPLING

PINNACLE I.D. : 708173  
 ANALYST : DRK

SAMPLE			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	CELL #1	NON-AQ	08/16/2007	08/23/2007	08/24/2007	1
02	CELL #2	NON-AQ	08/16/2007	08/23/2007	08/24/2007	1
03	CELL #3	NON-AQ	08/16/2007	08/23/2007	08/24/2007	1
PARAMETER	DET. LIMIT	UNITS	CELL #1	CELL #2	CELL #3	
FUEL HYDROCARBONS, C10-C22	10	MG/KG	200	< 10	< 10	
FUEL HYDROCARBONS, C22-C36	10	MG/KG	460	< 10	< 10	

SURROGATE:  
 O-TERPHENYL (%) 90 99 95  
 SURROGATE LIMITS ( 70-130 )

CHEMIST NOTES:  
 N/A

GAS CHROMATOGRAPHY RESULTS  
EXTRACTION BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 708173
BLANK I.D.	: 082307FS	DATE EXTRACTED	: 08/23/2007
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 08/23/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: DRK

PARAMETER	UNITS	
FUEL HYDROCARBONS, C10-C22	MG/KG	< 10
FUEL HYDROCARBONS, C22-C36	MG/KG	< 10

SURROGATE:  
O-TERPHENYL (%) 96  
SURROGATE LIMITS (70-130)

CHEMIST NOTES:  
N/A

GAS CHROMATOGRAPHY QUALITY CONTROL  
LCS/LCSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 708173
BATCH ID	: 082307FS	DATE EXTRACTED	: 08/23/2007
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 08/23/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM SAMPLING	UNITS	: MG/KG

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED BLANK	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	160	80	180	90	12	(75-125)	20
HYDROCARBON RANGE		C10-C32							
HYDROCARBONS QUANTITATED USING DIESEL FUEL									

CHEMIST NOTES:

**Analytical batch 082307F ran past midnight of 08/23/07 into 08/24/07.**

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



GAS CHROMATOGRAPHY QUALITY CONTROL  
MS/MSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 708173
SAMPLE ID	: 708147-02	DATE EXTRACTED	: 08/23/2007
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 08/23/2007
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM SAMPLING	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	102	200	277	87	261	79	6	(70-130)	20
HYDROCARBON RANGE	C10-C32								
HYDROCARBONS QUANTITATED USING DIESEL FUEL									

CHEMIST NOTES:  
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

**SVL ANALYTICAL, INC.**

Certificate: ID ID00019

One Government Gulch ■ P.O. Box 929 ■ Kellogg, Idaho 83837-0929 ■ Phone: (208)784-1258 ■ Fax: (208)783-0891

CLIENT : Pinnacle Laboratories, Inc.	SVL JOB: 131169
PROJECT: 708173	SAMPLE: 597084
CLIENT SAMPLE ID: CELL#1/708173-01	
Sample Collected: 8/16/07 10:51	
Sample Receipt : 8/23/07	Matrix: SOIL
Date of Report : 9/04/07	As Received Basis

Determination	Result	Units	Dilution	Method Analyzed
Chloride	47.7	mg/kg		300.0 8/29/07

Tests:Cl|

Reviewed By: NSW Date 9/5/07

9/04/07 16:52

AZ: AZ053B CA: CERT NO. 2080 CO: CERT NO. ID00019 ID: ID00019 MT: CERT. 0027 NV: CERT. ID19 WA: C1268

**SVL ANALYTICAL, INC.**

Certificate: ID ID00019

One Government Gulch ■ P.O. Box 929 ■ Kellogg, Idaho 83837-0929 ■ Phone: (208)784-1258 ■ Fax: (208)783-0891

CLIENT : Pinnacle Laboratories, Inc.	SVL JOB: 131169
PROJECT: 708173	SAMPLE: 597085
CLIENT SAMPLE ID: CELL#2/708173-02	
Sample Collected: 8/16/07 11:15	
Sample Receipt : 8/23/07	Matrix: SOIL
Date of Report : 9/04/07	As Received Basis

Determination	Result	Units	Dilution	Method	Analyzed
Chloride	5.34	mg/kg		300.0	8/29/07

Tests:Cl|

Reviewed By: NSui Date 9/5/07  
9/04/07 16:52

AZ: AZ0538 CA: CERT NO. 2080 CO: CERT NO. ID00019 ID: ID00019 MT: CERT. 0027 NV: CERT. ID19 WA: C1268

**SVL ANALYTICAL, INC.**

Certificate: ID I000019

One Government Gulch ■ P.O. Box 929 ■ Kellogg, Idaho 83837-0929 ■ Phone: (208)784-1258 ■ Fax: (208)783-0891

CLIENT : Pinnacle Laboratories, Inc.	SVL JOB: 131169
PROJECT: 708173	SAMPLE: 597086
CLIENT SAMPLE ID: CELL#3/708173-03	
Sample Collected: 8/16/07 11:30	
Sample Receipt : 8/23/07	Matrix: SOIL
Date of Report : 9/04/07	As Received Basis

Determination	Result	Units	Dilution	Method	Analyzed
Chloride	2.86	mg/kg		300.0	8/29/07

Tests:Cl|

Reviewed By: NSui Date 9/5/07  
9/04/07 16:52

AZ: AZ053B CA: CERT NO. 2080 CO: CERT NO. I000019 ID: I000019 MT: CERT. 0027 NV: CERT. ID19 WA: C1268

SVL ANALYTICAL, INC.

Quality Control Report  
Part I Prep Blank and Laboratory Control Sample

Client :Pinnacle Laboratories, Inc.						SVL JOB No: 131169		
Analyte	Method	Matrix	Units	Prep Blank	True—LCS—Found	LCS %R	Analysis Date	
Chloride	300.0	SOIL	mg/kg	<2.00	255 255	100.0	8/29/07	

## LEGEND:

LCS = Laboratory Control Sample

LCS %R = LCS Percent Recovery

N/A = Not Applicable

SVL ANALYTICAL, INC.

Quality Control Report  
Part II Duplicate and Spike Analysis

Client :Pinnacle Laboratories, Inc.				SVL JOB No: 131169					
Test Method Mtx	QC SAMPLE ID		Duplicate or Found	MSD RPD%	Matrix Spike		Analysis Date		
	Units	Result			Result	SPK ADD		%R	
Cl	300.0 S	1 mg/kg	47.7	47.1	1.3	76.1	30.0	94.7	8/29/07

LEGEND:

RPD% =  $(|SAM - DUP| / ((SAM + DUP) / 2)) * 100$  UDL = Both SAM & DUP not detected. \*Result or \*Found: Interference required dilution.  
 RPD% =  $(|SPK - MSD| / ((SPK + MSD) / 2)) * 100$  M in Duplicate/MSD column indicates MSD.  
 SPIKE ADD column, A = Post Digest Spike; %R = Percent Recovery N/A = Not Analyzed; R > 4S = Result more than 4X the Spike Added  
 QC limits for MS recoveries apply only if the spike is at least 1/4 the concentration of the analyte in the sample.  
 Control limits for the RPD apply only if the concentration of the analyte in the sample is at least five times the reporting limit.  
 QC Sample 1: SVL SAM No.: 597084 Client Sample ID: CELL#1/708173-01





# Pinnacle Laboratories Inc.

# CHAIN OF CUSTODY

DATE: 8-16-07 PAGE 1 OF 1

PLI Accession # 708173

### PROJECT MANAGER:

COMPANY: Animas Environmental Services  
 ADDRESS: 624 E. Comanche St.  
Farmington, NM 87401  
 PHONE: (505) 561-7281  
 FAX: (505) 324-2022  
 BILL TO: \_\_\_\_\_  
 COMPANY: AES  
 ADDRESS: \_\_\_\_\_

### ANALYSIS REQUEST

ANALYSIS REQUEST	8260 (Full) Volatile Organics	8260 (TCL) Volatile Organics	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (29)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	NUMBER OF CONTAINERS
Petroleum Hydrocarbons (418.1) TRPH															
(MOD.8015) Diesel/Direct Inject															
(M8015) Gas/Purge & Trap															
8021 (BTEX)/8015 (Gasoline) MTBE															
8021 (BTEX) DMTBE DTMB DPCE															
8021 (TCL)															
8021 (EDX)															
8021 (HALO)															
8021 (CUST)															
504.1 EDB □/D/BCP □															
8260 (TCL) Volatile Organics	X														
8260 (Full) Volatile Organics □PBMS	X														
8260 (CUST) Volatile Organics	X														
8260 (Landfill) Volatile Organics															
Pesticides/PCB (608/8081/8082)															
Herbicides (615/8151)															
Base/Neutral/Acid Compounds GC/MS (625/8270)															
Polynuclear Aromatics (610/8310/8270-SIMS)															
General Chemistry:															
Priority Pollutant Metals (13)															
Target Analyte List Metals (29)															
RCRA Metals (8)															
RCRA Metals by TCLP (Method 1311)															
Metals:															

SHADED AREAS ARE FOR LAB USE ONLY

PLEASE FILL THIS FORM IN COMPLETELY.

### WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION	PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS	
PROJ. NO.: <u>040605</u>	(RUSH) <input type="checkbox"/> 24hr* <input type="checkbox"/> 48hr* <input type="checkbox"/> 72hr*	(NORMAL) <input checked="" type="checkbox"/>
PROJ. NAME: <u>BRIG Land Farm Sampling</u>	NOT AVAILABLE ON ALL ANALYSES	
P.O. NO.:	CERTIFICATION REQUIRED <input type="checkbox"/> NM <input type="checkbox"/> SDWA <input type="checkbox"/> AZ <input type="checkbox"/> OTHER	
SHIPPED VIA:	METHANOL PRESERVATION <input checked="" type="checkbox"/>	METALS <input type="checkbox"/> TOTAL <input type="checkbox"/> DISSOLVED
COMMENTS:		
SAMPLE RECEIPT	NO. CONTAINERS: <u>12</u>	
CUSTODY SEALS: <u>YAN (M)</u>		
RECEIVED/INTACT: <u>Yes</u>		
BLUE ICE: <u>0°C</u>		
RELINQUISHED BY: 1	RELINQUISHED BY: 2	
Signature: <u>Chad Dawson</u>	Signature: <u>Nathan Willis</u>	
Time: <u>1503</u>	Time: <u>1415</u>	
Date: <u>8-16-07</u>	Date: <u>8-20-07</u>	
Company: <u>AES</u>	Company: <u>AES</u>	
RECEIVED BY: 1	RECEIVED BY: (LAB) 2	
Signature: <u>Nathan Willis</u>	Signature: <u>David Kidd</u>	
Time: <u>1503</u>	Time: <u>1210</u>	
Date: <u>8-16-07</u>	Date: <u>08-21-07</u>	
Company: <u>AES</u>	Company: <u>Pinnacle Laboratories, Inc.</u>	



# Animas Environmental Services, LLC

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

December 27, 2007

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

**RE: Results of November 2007 Treatment Zone Monitoring at BMG's  
Centralized Surface Waste Management Facility, Rio Arriba County, New  
Mexico**

Dear Mr. Dimond:

On November 6, 2007, 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.

### Sampling Procedures

As required by the New Mexico Oil Conservation Division (NMOCD) permit for this facility, one random soil sample was collected from the active treatment cells. Sample collection depths for the three treatment cells sampled ranged from 2 feet to 2.5 feet below surface grade. 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 4°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 delivered to the laboratory.

### 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.

### 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. 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 February 2008. If you have any questions regarding the sampling procedures or results, please do not hesitate to contact me or Ross Kennemer at (505) 564-2281.

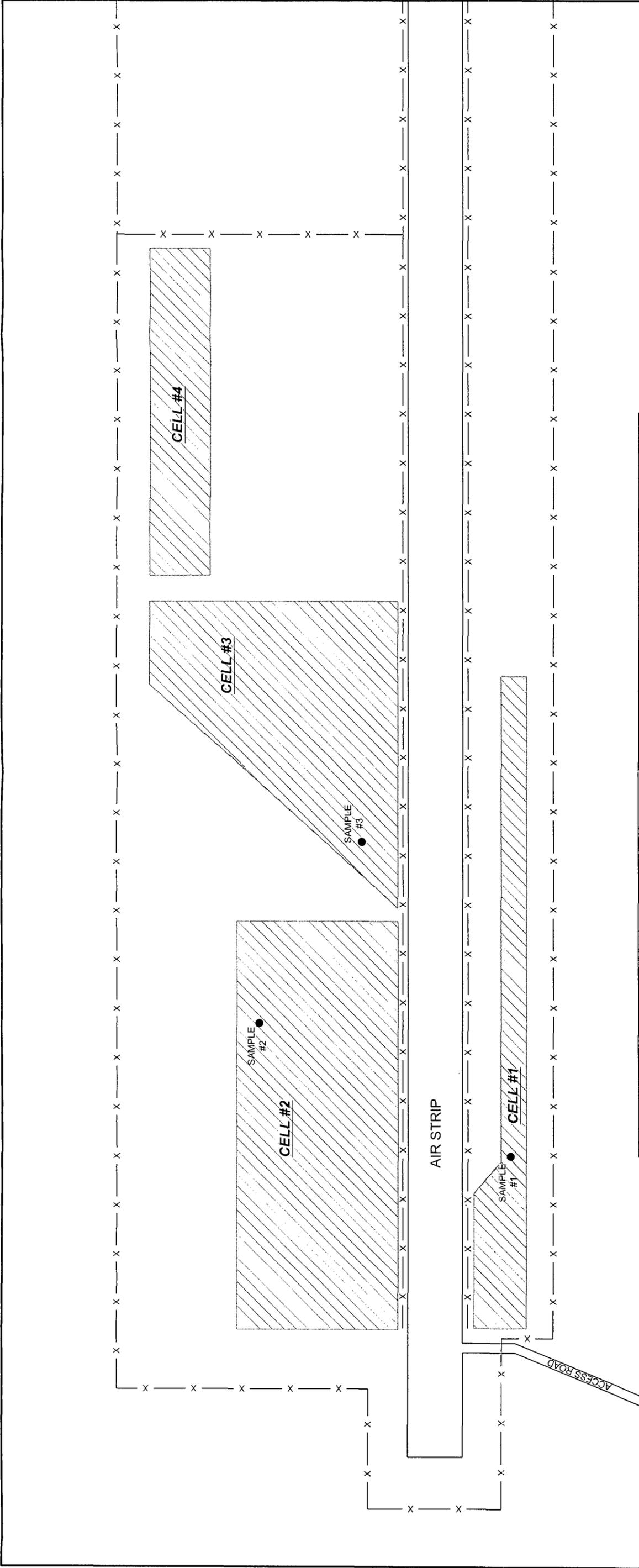
Sincerely,

*Sandra R. Cupps*

Lany Cupps  
Project Manager

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/2007/BMG/Landfarm Sampling/gcbmg121307



**SUMMARY OF QUARTERLY  
TREATMENT ZONE MONITORING  
NOVEMBER 2007**

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 AND DRO)		Chloride (mg/kg)
									C6-C10 (mg/kg)	C10-C36 (mg/kg)	
CELL #1	#1	N 36°23.367' W 106°52.021'	11/06/07	2.5	<0.050	<0.050	<0.050	<0.10	<5.0	<10	45
CELL #2	#2	N 36°23.404' W 106°51.942'	11/06/07	2.5	<0.050	<0.050	<0.050	<0.10	<5.0	<10	3.3
CELL #3	#3	N 36°23.355' W 106°51.906'	11/06/07	2	<0.050	<0.050	<0.050	<0.10	<5.0	<10	7.8
CELL #4		NOT IN USE. NO SAMPLE	11/06/07								



**FIGURE 1**  
**BENSON-MONTIN-GREER**  
**CENTRALIZED SURFACE WASTE MANAGEMENT**  
**FACILITY MONITORING LOCATIONS**  
**NOVEMBER 2007**  
NW1/4, NW1/4, SEC. 20, T29N, R1E,  
RIO ARRIBA, CO., NM

DRAWN BY: Nathan Willis  
REVISIONS BY: Nathan Willis  
CHECKED BY: Ross Kennemer  
APPROVED BY: Elizabeth McNally

DATE DRAWN: September 11, 2007  
DATE REVISED: December 27, 2007  
DATE CHECKED: December 27, 2007  
DATE APPROVED: December 27, 2007

S:\ANIMAS 2000\2007 PROJECTS\BENSON MONTIN GREER\LAND FARM SAMPLING\DRAWINGS\110607 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-C36) (mg/kg)
Cell #1	#1	N 36° 23.371' W 106° 52.031'	6/21/2004	2	<0.025	<0.025	<0.025	<0.050	<20	NA
Cell #1	#1	N 36° 23.371' W 106° 52.031'	3/7/2006	2	<0.025	<0.025	<0.025	<0.10	<10	18
Cell #1	#1	N 36° 23.355' W 106° 51.998'	2/16/2007	2.5	<0.025	<0.025	<0.025	<0.10	<10	<10
Cell #1	#1	N 36° 23.372' W 106° 52.046'	5/22/2007	3	<0.025	<0.025	<0.025	<0.10	<10	752
Cell #1	#1	N 36° 23.365' W 106° 52.030'	8/16/2007	2.5	<0.025	0.031	<0.025	<0.10	<10	660
Cell #1	#1	N 36° 23.367' W 106° 52.021'	11/6/2007	2.5	<0.050	<0.050	<0.050	<0.10	<5.0	<10
Cell #2	#1	N 36° 23.386' W 106° 52.932'	6/21/2004	2	<0.025	<0.025	<0.025	<0.050	<20	NA
Cell #2	#1	N 36° 23.386' W 106° 52.932'	3/7/2006	2	<0.025	<0.025	<0.025	<0.10	<10	52
Cell #2	#1	N 36° 23.393' W 106° 51.996'	2/16/2007	2.5	<0.025	<0.025	0.03	<0.10	<10	<10
Cell #2	#1	N 36° 23.416' W 106° 52.003'	5/22/2007	3	<0.025	<0.025	<0.025	<0.10	<10	<20
Cell #2	#1	N 36° 23.397' W 106° 51.996'	8/16/2007	2.5	<0.025	<0.025	0.028	<0.10	<10	<10
Cell #2	#1	N 36° 23.404' W 106° 51.942'	11/6/2007	2.5	<0.050	<0.050	<0.050	<0.10	<5.0	<10
Cell #3	#1	N 36° 23.351' W 106° 51.882'	6/21/2004	2	<0.025	<0.025	<0.025	<0.050	<20	NA
Cell #3	#1	N 36° 23.351' W 106° 51.882'	3/7/2006	2	<0.025	<0.025	<0.025	<0.10	<10	NA
Cell #3	#1	N 36° 23.386' W 106° 51.974'	2/16/2007	2.5	<0.025	0.034	0.041	<0.10	<10	12
Cell #3	#1	N 36° 23.359' W 106° 51.865'	5/22/2007	3	<0.025	<0.025	<0.025	<0.10	<10	<20
Cell #3	#1	N 36° 23.340' W 106° 51.574'	8/16/2007	2.5	<0.025	0.078	0.049	0.18	<10	<10
Cell #3	#1	N 36° 23.355' W 106° 51.906'	11/6/2007	2	<0.050	<0.050	<0.050	<0.10	<5.0	<10
Cell #4	#1	N 36° 23.363' W 106° 51.784'	6/21/2004	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.

**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	6/7/2006	2.5	33.7*
Cell #1	#1	5/22/2007	3	23.5
Cell #1	#1	8/16/2007	2.5	47.7
Cell #1	#1	11/6/2007	2.5	45
Cell #2	#1	6/7/2006	2.5	20.4*
Cell #2	#1	5/22/2007	3	17.4
Cell #2	#1	8/16/2007	2.5	5.34
Cell #2	#1	11/6/2007	2.5	3.3
Cell #3	#1	6/7/2006	2.5	26.3*
Cell #3	#1	5/22/2007	3	57.6
Cell #3	#1	8/16/2007	2.5	2.86
Cell #3	#1	11/6/2007	2	7.8

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

COVER LETTER

Wednesday, November 28, 2007

Lany Cupps  
Animas Environmental Services  
624 East Comanche  
Farmington, NM 87401  
TEL: (505) 564-2281  
FAX (505) 324-2022  
RE: BMG Landfarm

Order No.: 0711162

Dear Lany Cupps:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/9/2007 for the analyses presented in the following report.

This report is an addendum to the report dated November 27, 2007. EPA Method 8021B was added to all samples.

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



---

**CLIENT:** Animas Environmental Services  
**Project:** BMG Landfarm  
**Lab Order:** 0711162

**CASE NARRATIVE**

---

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.

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Nov-07

CLIENT: Animas Environmental Services  
 Lab Order: 0711162  
 Project: BMG Landfarm  
 Lab ID: 0711162-01

Client Sample ID: Cell #1  
 Collection Date: 11/6/2007 10:31:00 AM  
 Date Received: 11/9/2007  
 Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/13/2007 7:11:06 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/13/2007 7:11:06 PM
Surr: DNOP	102	61.7-135		%REC	1	11/13/2007 7:11:06 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/15/2007 4:12:16 AM
Surr: BFB	109	84-138		%REC	1	11/15/2007 4:12:16 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	11/15/2007 4:12:16 AM
Toluene	ND	0.050		mg/Kg	1	11/15/2007 4:12:16 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/15/2007 4:12:16 AM
Xylenes, Total	ND	0.10		mg/Kg	1	11/15/2007 4:12:16 AM
Surr: 4-Bromofluorobenzene	102	68.2-109		%REC	1	11/15/2007 4:12:16 AM
<b>EPA METHOD 9056A: ANIONS</b>						Analyst: KS
Chloride	45	3.0		mg/Kg	10	11/15/2007 7:47:04 AM

Qualifiers: \* Value exceeds Maximum Contaminant Level  
 E Value above quantitation range  
 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

**Hall Environmental Analysis Laboratory, Inc.**

Date: 28-Nov-07

**CLIENT:** Animas Environmental Services  
**Lab Order:** 0711162  
**Project:** BMG Landfarm  
**Lab ID:** 0711162-02

**Client Sample ID:** Cell #2  
**Collection Date:** 11/6/2007 11:02:00 AM  
**Date Received:** 11/9/2007  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: <b>SCC</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/13/2007 8:19:55 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/13/2007 8:19:55 PM
Surr: DNOP	100	61.7-135		%REC	1	11/13/2007 8:19:55 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/15/2007 12:59:11 PM
Surr: BFB	107	84-138		%REC	1	11/15/2007 12:59:11 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.050		mg/Kg	1	11/15/2007 12:59:11 PM
Toluene	ND	0.050		mg/Kg	1	11/15/2007 12:59:11 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/15/2007 12:59:11 PM
Xylenes, Total	ND	0.10		mg/Kg	1	11/15/2007 12:59:11 PM
Surr: 4-Bromofluorobenzene	99.0	68.2-109		%REC	1	11/15/2007 12:59:11 PM
<b>EPA METHOD 9056A: ANIONS</b>						Analyst: <b>KS</b>
Chloride	3.3	3.0		mg/Kg	10	11/19/2007 6:56:03 PM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- 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

# Hall Environmental Analysis Laboratory, Inc.

Date: 28-Nov-07

CLIENT: Animas Environmental Services  
 Lab Order: 0711162  
 Project: BMG Landfarm  
 Lab ID: 0711162-03

Client Sample ID: Cell #3  
 Collection Date: 11/6/2007 11:16:00 AM  
 Date Received: 11/9/2007  
 Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/13/2007 8:54:19 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/13/2007 8:54:19 PM
Surr: DNOP	101	61.7-135		%REC	1	11/13/2007 8:54:19 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/15/2007 4:42:19 AM
Surr: BFB	103	84-138		%REC	1	11/15/2007 4:42:19 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	11/15/2007 4:42:19 AM
Toluene	ND	0.050		mg/Kg	1	11/15/2007 4:42:19 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/15/2007 4:42:19 AM
Xylenes, Total	ND	0.10		mg/Kg	1	11/15/2007 4:42:19 AM
Surr: 4-Bromofluorobenzene	94.6	68.2-109		%REC	1	11/15/2007 4:42:19 AM
<b>EPA METHOD 9056A: ANIONS</b>						Analyst: KS
Chloride	7.8	3.0		mg/Kg	10	11/19/2007 7:13:27 PM

Qualifiers: \* Value exceeds Maximum Contaminant Level  
 E Value above quantitation range  
 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:** 0711162

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<b>Method: EPA Method 9056A: Anions</b>									
<b>Sample ID: 0711162-03A MSD</b>		<i>MSD</i>							
Chloride	20.49	mg/Kg	3.0	84.4	80	120	5.14	20	
<b>Sample ID: MB-14403</b>		<i>MBLK</i>							
Chloride	ND	mg/Kg	0.30						
<b>Sample ID: MB-14443</b>		<i>MBLK</i>							
Chloride	ND	mg/Kg	0.30						
<b>Sample ID: LCS-14403</b>		<i>LCS</i>							
Chloride	13.95	mg/Kg	0.30	93.0	90	110			
<b>Sample ID: LCS-14443</b>		<i>LCS</i>							
Chloride	14.18	mg/Kg	0.30	94.5	90	110			
<b>Sample ID: 0711162-03A MS</b>		<i>MS</i>							
Chloride	21.57	mg/Kg	3.0	91.6	80	120			

<b>Method: EPA Method 8015B: Diesel Range Organics</b>									
<b>Sample ID: MB-14371</b>		<i>MBLK</i>							
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
<b>Sample ID: LCS-14371</b>		<i>LCS</i>							
Diesel Range Organics (DRO)	38.92	mg/Kg	10	77.8	64.6	116			
<b>Sample ID: LCSD-14371</b>		<i>LCSD</i>							
Diesel Range Organics (DRO)	39.10	mg/Kg	10	78.2	64.6	116	0.477	17.4	

<b>Method: EPA Method 8015B: Gasoline Range</b>									
<b>Sample ID: 5ML RB</b>		<i>MBLK</i>							
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
<b>Sample ID: MB-14368</b>		<i>MBLK</i>							
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
<b>Sample ID: 2.5UG GRO LCS</b>		<i>LCS</i>							
Gasoline Range Organics (GRO)	24.61	mg/Kg	5.0	98.4	69.5	120			
<b>Sample ID: LCS-14368</b>		<i>LCS</i>							
Gasoline Range Organics (GRO)	22.91	mg/Kg	5.0	91.6	69.5	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: 0711162

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	------	----------	-----------	------	----------	------

Method: EPA Method 8021B: Volatiles

Sample ID: B MBLK Batch ID: R26076 Analysis Date: 11/14/2007 11:08:48 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: MB-14368 MBLK Batch ID: 14368 Analysis Date: 11/15/2007 11:34:05 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: 2.5UG GRO LCS LCS Batch ID: R26076 Analysis Date: 11/15/2007 6:42:14 AM

Benzene	0.3532	mg/Kg	0.050	126	78.8	132			
Toluene	2.302	mg/Kg	0.050	115	78.9	116			
Ethylbenzene	0.4691	mg/Kg	0.050	117	69.3	125			
Xylenes, Total	2.708	mg/Kg	0.10	118	73	128			

Sample ID: LCS-14368 LCS Batch ID: 14368 Analysis Date: 11/15/2007 9:34:09 PM

Benzene	0.3374	mg/Kg	0.050	120	78.8	132			
Toluene	2.178	mg/Kg	0.050	108	78.9	115			
Ethylbenzene	0.4501	mg/Kg	0.050	109	69.3	125			
Xylenes, Total	2.648	mg/Kg	0.10	113	73	128			

Qualifiers:

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



COVER LETTER

Tuesday, November 27, 2007

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

TEL: (505) 564-2281

FAX (505) 324-2022

RE: BMG Landfarm

Order No.: 0711162

Dear Lany Cupps:

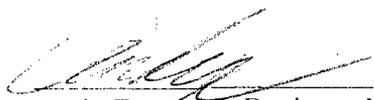
Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/9/2007 for the analyses presented in the following report.

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: 27-Nov-07

**CLIENT:** Animas Environmental Services  
**Lab Order:** 0711162  
**Project:** BMG Landfarm  
**Lab ID:** 0711162-01

**Client Sample ID:** Cell #1  
**Collection Date:** 11/6/2007 10:31:00 AM  
**Date Received:** 11/9/2007  
**Matrix:** MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/13/2007 7:11:06 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/13/2007 7:11:06 PM
Surr: DNOP	102	61.7-135		%REC	1	11/13/2007 7:11:06 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/15/2007 4:12:16 AM
Surr: BFB	109	84-138		%REC	1	11/15/2007 4:12:16 AM
<b>EPA METHOD 9056A: ANIONS</b>						Analyst: KS
Chloride	45	3.0		mg/Kg	10	11/15/2007 7:47:04 AM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- 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

**Hall Environmental Analysis Laboratory, Inc.**

Date: 27-Nov-07

**CLIENT:** Animas Environmental Services  
**Lab Order:** 0711162  
**Project:** BMG Landfarm  
**Lab ID:** 0711162-02

**Client Sample ID:** Cell #2  
**Collection Date:** 11/6/2007 11:02:00 AM  
**Date Received:** 11/9/2007  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/13/2007 8:19:55 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/13/2007 8:19:55 PM
Surr: DNOP	100	61.7-135		%REC	1	11/13/2007 8:19:55 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/15/2007 12:59:11 PM
Surr: BFB	107	84-138		%REC	1	11/15/2007 12:59:11 PM
<b>EPA METHOD 9056A: ANIONS</b>						Analyst: KS
Chloride	3.3	3.0		mg/Kg	10	11/19/2007 6:56:03 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: 27-Nov-07

**CLIENT:** Animas Environmental Services  
**Lab Order:** 0711162  
**Project:** BMG Landfarm  
**Lab ID:** 0711162-03

**Client Sample ID:** Cell #3  
**Collection Date:** 11/6/2007 11:16:00 AM  
**Date Received:** 11/9/2007  
**Matrix:** MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/13/2007 8:54:19 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/13/2007 8:54:19 PM
Surr: DNOP	101	61.7-135		%REC	1	11/13/2007 8:54:19 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/15/2007 4:42:19 AM
Surr: BFB	103	84-138		%REC	1	11/15/2007 4:42:19 AM
<b>EPA METHOD 9056A: ANIONS</b>						Analyst: KS
Chloride	7.8	3.0		mg/Kg	10	11/19/2007 7:13:27 PM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- 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: 0711162

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<b>Method: EPA Method 9056A: Anions</b>									
Sample ID: MB-14403		MBLK							
Chloride	ND	mg/Kg	0.30						
Sample ID: MB-14443		MBLK							
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-14403		LCS							
Chloride	13.95	mg/Kg	0.30	93.0	90	110			
Sample ID: LCS-14443		LCS							
Chloride	14.18	mg/Kg	0.30	94.5	90	110			

<b>Method: EPA Method 8015B: Diesel Range Organics</b>									
Sample ID: MB-14371		MBLK							
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-14371		LCS							
Diesel Range Organics (DRO)	38.92	mg/Kg	10	77.8	64.6	116			
Sample ID: LCSD-14371		LCSD							
Diesel Range Organics (DRO)	39.10	mg/Kg	10	78.2	64.6	116	0.477	17.4	

<b>Method: EPA Method 8015B: Gasoline Range</b>									
Sample ID: 5ML RB		MBLK							
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: MB-14368		MBLK							
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: 2.5UG GRO LCS		LCS							
Gasoline Range Organics (GRO)	24.61	mg/Kg	5.0	98.4	69.5	120			
Sample ID: LCS-14368		LCS							
Gasoline Range Organics (GRO)	22.91	mg/Kg	5.0	91.6	69.5	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL

Date and Time Received:

11/9/2007

Work Order Number 0711162

Received by ARS

Checklist completed by

*[Handwritten Signature]*

Signature

*11/9/07*

Date

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? Yes  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?

**12°**

4° C ± 2 Acceptable

If given sufficient time to cool.

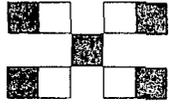
COMMENTS:

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
 4901 Hawkins NE, Suite D  
 Albuquerque, New Mexico 87109  
 Tel. 505.345.3975 Fax 505.345.4107  
 www.hallenvironmental.com

**CHAIN-OF-CUSTODY RECORD**

Client: Antimas Environmental Services, LLC.

Address: 624 E. Comanche

Farmington, New Mexico 87401

Phone #: 505-564-2281

Fax #: 505-324-2022

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative		HEAL No.
					HgCl <sub>2</sub>	HNO <sub>3</sub> /H <sub>2</sub> O <sub>2</sub>	
11/6/07	1031	Soil	Cell #1	3		Z	0711162
11/6/07	1102	Soil	Cell #2	3		Z	2
11/6/07	1116	Soil	Cell #3	3		Z	3

QA/QC Package:  Std  Level 4

Other:

Project Name:

BM6 Landfarm

Project #:

040605

Project Manager:

Nathan Willis

Sampler:

Nathan Willis + Larry Cupps

Sample Temperature:

12°

**ANALYSIS REQUEST**

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F <sup>-</sup> , Cl <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> )	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	8015 (TPH)	Dry Weight/Chlorides (300.1)	Air Bubbles or Headspace (Y or N)
												2 1		
												2 1		
												2 1		

Remarks: Use Dry Weight to pull Chlorides

Relinquished By: (Signature) Nathan Willis  
 Relinquished By: (Signature) Nathan Willis  
 Received By: (Signature) [Signature]  
 Received By: (Signature) [Signature]

Date: 11/8/07 Time: 1608  
 Date: 11/9/07 Time: 9:25

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell #1 OK  
Cell #2 OK  
Cell #3 OK  
Cell #4 OK

Amount of New Material and Where: 0

Specific date of Disking of soil and Which Cell: SOIL FROZEN NO DISK

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Ben L Gonzalez Signed Name Ben L Gonzalez Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 1/3/07 9:00 AM

**BENSON-MONTIN-GREER DRILLING CORP.**

**NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)**

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell #1 OK  
Cell #2 OK  
Cell #3 OK  
Cell #4 OK

Amount of New Material and Where:

Specific date of Disking of soil and Which Cell: too muddy to DISK

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Kent Jack Signed Name Kent JACK Printed Name

Certify this inspection to be true,  
Today's Date and Time: 1-19-2007 8. A.m.

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell #1 OK

Cell #2 OK

Cell #3 OK

Cell #4 OK

Amount of New Material and Where:

Specific date of Disking of soil and Which Cell: SOIL FROZEN NO DISK

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken. and no RCRA Subtitle C Wastes can be taken.

I Kent Jack

Signed Name Kent Jack

Printed Name

Certify this inspection to be true,

Today's Date and Time: 1/19/2007 8. A.M.

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

#1 OK

#2 OK

#3 OK

#4 OK

Amount of New Material and Where: 5 yards from COU Evap. Pond.

Specific date of Disking of soil and Which Cell: Frozen NO Disk

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken. and no RCRA Subtitle C Wastes can be taken.

*Ben L Gonzalez*

Signed Name Ben L Gonzalez

Printed Name

Certify this inspection to be true,

Today's Date and Time: 1/22/07 9:00 AM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

#1 OK

#2 OK

#3 OK

#4 OK

Amount of New Material and Where:

0

Specific date of Disking of soil and Which Cell:

Frozen NO Disk

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken. and no RCRA Subtitle C Wastes can be taken.

Ben L. Gonzales

Signed Name

Ben L. Gonzales

Printed Name

Certify this inspection to be true,

Today's Date and Time:

1/31/07

8:00AM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

#1 ok

#2 ok

#3 ok

#4 ok

Amount of New Material and Where: 0

Specific date of Disking of soil and Which Cell: FROZEN

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Ben L Gonzales Signed Name Ben L Gonzales Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 2/2/07 9:00 AM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

#1 ok  
#2 ok  
#3 ok  
#4 ok

Amount of New Material and Where: 10 yards from EPCMU E-19 2/9/07  
10 yards from EPCMU E-19 2/11/07

Cell # 3

Specific date of Disking of soil and Which Cell: FOREVER

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Ben L Gonzales Signed Name Ben L Gonzales Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 2/9/07 4:30pm

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

#1 ok

#2 ok

#3 ok

#4 ok

Amount of New Material and Where: 10 yards from E-10 cell  
put in cell #3

Specific date of Disking of soil and Which Cell: frozen no disk.

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken. and no RCRA Subtitle C Wastes can be taken.

I Ben L Gonzales Signed Name Ben L Gonzales Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 2/16/07 3:00 PM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

cell # 1 OK  
cell # 2 OK  
cell # 3 OK  
cell # 4 OK

Amount of New Material and Where:

Specific date of Disking of soil and Which Cell: too muddy to disk

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Kent Jack Signed Name Kent Jack Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 4-9-2007 8:30 A.M.

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell #1 - OK

Cell #2 - OK

Cell #3 - OK

Cell #4 - OK

Amount of New Material and Where:

Specific date of Disking of soil and Which Cell:

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Daniel Martinez Signed Name \_\_\_\_\_ Printed Name \_\_\_\_\_

Certify this inspection to be true,

Today's Date and Time: 4-27-07

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

cell-1 OK

cell-2 OK

cell-3 OK

cell-4 OK

Amount of New Material and Where:

N/A

Specific date of Disking of soil and Which Cell:

all four cells

we were disked 7-17-07

General points:

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

David Martinez

Signed Name David Martinez Printed Name

Certify this inspection to be true,

Today's Date and Time: 5-17-07

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell-1 OK

Cell-2 OK

Cell-3 OK

Cell-4 OK

Amount of New Material and Where:

N/A

Specific date of Disking of soil and Which Cell: all four were Disked

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Daniel Martinez Signed Name Daniel Martinez Printed Name

Certify this inspection to be true,  
Today's Date and Time: 5-24-07 from 11:00 A.M Till 4:00 PM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell-1 OK

Cell-2 OK

Cell-3 OK

Cell-4-OK

Amount of New Material and Where:

N/A

Specific date of Disking of soil and Which Cell:

Cells on 6-1-07

Disked all 4

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Daniel Martiny

Signed Name DANIEL MARTINY Printed Name

Certify this inspection to be true,

Today's Date and Time:

6-1-07

12:00 pm

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell-1 OK

Cell-2 OK

Cell-3 OK

Cell-4 OK

Amount of New Material and Where: N/A

Specific date of Disking of soil and Which Cell: all four were Disk

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

Daniel Martinez Signed Name Daniel Martinez Printed Name

Certify this inspection to be true,

Today's Date and Time: 6-6-07 and 6-7-07

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell - 1 OK

cell - 2 OK

cell - 3 OK

cell - 4 OK

Amount of New Material and Where:

Specific date of Disking of soil and Which Cell:

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Daniel martinez Signed Name Daniel martinez Printed Name

Certify this inspection to be true,

Today's Date and Time: 6-13-07 and 6-14-07

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell-1-OK

Cell-2-OK

Cell-3-OK

Cell-4-OK

Amount of New Material and Where:

N/A

Specific date of Disking of soil and Which Cell: Disk all four cells on 6-20-07 and 6-21-07

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Daniel Martinez Signed Name Daniel Martinez Printed Name

Certify this inspection to be true,

Today's Date and Time: 6-20-07 and 6-21-07

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell-1-OK  
Cell-2 OK  
Cell-3 OK  
Cell-4 OK

Amount of New Material and Where:

M/A

Specific date of Disking of soil and Which Cell: Disk all four

Cells on 6-28-07 6-29-07

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Daniel Martinez Signed Name Daniel Martinez Printed Name

Certify this inspection to be true,  
Today's Date and Time: 6-28-07 and 6-29-07

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell-1 OK

Cell-2 OK

Cell-3 OK

Cell-4 OK

Amount of New Material and Where:

Specific date of Disking of soil and Which Cell: Disk all four cells

on 7-3-07

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I David Montes Signed Name DAVID MONTES Printed Name

Certify this inspection to be true,  
Today's Date and Time: 7-3-07

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell - 1 - OK

Cell - 2 - OK

Cell - 3 - OK

Cell - 4 - OK

Amount of New Material and Where: N/A

Specific date of Disking of soil and Which Cell: Disked all four cells were Disk 7-19-07

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle-C Wastes can be taken.

I Daniel Martinez Signed Name DANIEL MARTINEZ Printed Name

Certify this inspection to be true,  
Today's Date and Time: 7-19-07 from 7:00 A.M till 4:00 P.M

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell-1 OK

Cell-2 OK

Cell-3 OK

Cell-4 OK

Amount of New Material and Where: \_\_\_\_\_

Specific date of Disking of soil and Which Cell: Disk all four  
Cells

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Daniel Montin Signed Name DANIEL MONTIN Printed Name

Certify this inspection to be true,  
Today's Date and Time: 8/16/07

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell -1 OK

Cell -3 OK

Cell 4 OK

Amount of New Material and Where:

Specific date of Disking of soil and Which Cell:

Disked all 5 cells on 8/24/07

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Daniel Martinez Signed Name DANIEL MARTINEZ Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 8/24/07 3:00 pm

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM; Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Cell-1 OK

Cell-3 OK

Cell-4 OK

Amount of New Material and Where:

Specific date of Disking of soil and Which Cell:

Cells on 9/7/07

Disked all Three

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

I Daniel Martin

Signed Name DANIEL MARTIN Printed Name

Certify this inspection to be true,

Today's Date and Time: 9/7/07 2:30 PM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Weekly Inspection and Significant Event Report\*. ( Landfarm Area)**

\* A significant event is any event such as a storm or mishap that may cause damage to the landfarm site or off-sight property.

General Condition of Land farm area including berms and cells and action taken to correct problems:

Disk cell - 1 OK

Disk cell - 2 OK

Disk cell - 3 OK

Amount of New Material and Where:

Specific date of Disking of soil and Which Cell:

Disked all 3 cells on 9/27/07

**General points:**

1. Disk all active cells every two weeks.
2. Place new soil in 6 (inch) lays.
3. All soils that are hauled in must be spread with-in 72 hours.
4. No free liquid containing wastes can be spread on the landfarm.
5. Exempt wastes cannot be mixed with non-exempt-non-hazardous wastes.
6. Each spill, leak, or clean-up must be segregated from each other.
7. The maximum size per treatment cell is 5 Acres. ( 4,033 cubic yards )
8. Plastic and any other domestic waste or trash cannot be allowed into the landfarm and shall immediately upon discovery be removed and recycled or disposed of properly.
9. All active cells remedial soils and treatment zone must be monitored and sampled per the latest NMOCD approved permit conditions.
10. UNDER NO CIRCUMSTANCE CAN NON-BMG wastes be taken, and no RCRA Subtitle C Wastes can be taken.

Daniel Martinez

Signed Name

Daniel MARTINEZ

Printed Name

Certify this inspection to be true,

Today's Date and Time: 9/27/07 3:00 pm

**BENSON-MONTIN-GREER DRILLING CORP.**  
 NW/4 SECTION 20, T25N, R1E, NMPM, Rio Arriba County, NM  
 Permit NM-02-0004  
 Monthly Evaporation Impoundment Monitor Tube Fluid Levels.

For Calendar Year January 07 to December 07

Date	Monitor Reading Taken by:	Level (Inches)	Change in fluid level from prior Month (Inches)
Jan- 1	Ben L Gonzales	1"	0
Feb- 2	Ben L Gonzales	1"	0
Mar- 2	Ben L Gonzales	1"	0
Apr- 5	Ben L Gonzales	1"	0
May- 4	Ben L Gonzales	1"	0
Jun- 8	Daniel Martinez	0	-1
Jul- 11	Daniel Martinez	0	0
Aug- 16	Daniel Martinez	1-3	1-3 Reported "everything is OK"
Sep- 20	Daniel Martinez	2-4	1-1 "All OK"
Oct- 12	Daniel Martinez	2-4 1/2	1/2 "All OK"
Nov- 2	Daniel Martinez	2-5 1/2	1" "All OK"
Dec- 7	Daniel Martinez	2-6	1/2 "All OK"

Advised Ben Gonzales to take samples from tube & pond (when freeze allows) to confirm fresh water status of water in tube. Discontinue use of facility until tests confirm or repairs (if needed) made.

**BENSON-MONTIN-GREER DRILLING CORP.**

**NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPPM, Rio Arriba County.)**

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 0

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 1"

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:

ok

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

TANK down for Repair.

I Ben L Gonzalez Signed Name Ben L Gonzalez Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 1/1/07 11:45 AM.

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 0

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: NO Water

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:

OK

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

Need To cut weeds on Berm

I Daniel Martinez Signed Name DANIEL MARTINEZ Printed Name

Certify this inspection to be true,  
Today's Date and Time: 6-8-07 7:10 AM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 0

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 0 No Water

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:  
\_\_\_\_\_  
\_\_\_\_\_

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.  
Be cut weeds around Berm need to  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I Daniel Martinez Signed Name DANIEL MARTINEZ Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 6-15-07 7:10 A.M

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 0

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: No water

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:

\_\_\_\_\_  
\_\_\_\_\_

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

Weed around Berm need to be cut

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I David Martinez Signed Name DAVID MARTINEZ Printed Name

Certify this inspection to be true,

Today's Date and Time: 6-27-07 7:31 AM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*:**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: \_\_\_\_\_

*0*

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: \_\_\_\_\_

*0 No water*

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:

\_\_\_\_\_  
\_\_\_\_\_

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

*Weed need to be cut around*

*Pond*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I *Daniel Martinez*

Signed Name *DANIEL MARTINEZ*

Printed Name

Certify this inspection to be true,

Today's Date and Time: *7-11-07*

*7:10 A.M*



**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 0

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 1' water

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:

\_\_\_\_\_  
\_\_\_\_\_

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

everything looks good  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I Daniel Martinez Signed Name DANIEL MARTINEZ Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 7-31-07 7:00 AM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 0

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 1'-3" water

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:

everything is ok ✓

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I Daniel Martinez Signed Name DANIEL MARTINEZ Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 8/16/07

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*:**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around:                     

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 1'-6" water

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee - Note any erosion or slough problems and action taken to correct:

everything looks OK

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I Daniel Martini Signed Name DANIEL MARTINI Printed Name  
Certify this inspection to be true,  
Today's Date and Time: 3:00 pm 8/24/07



**BENSON-MONTIN-GREER DRILLING CORP.**

NMOC D RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\***

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: \_\_\_\_\_

*[Handwritten signature]*

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: \_\_\_\_\_

*2' - 4 1/2"*

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee - Note any erosion or slough problems and action taken to correct:

*OK*

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

*Tank needs to washed*

*Temperature 135%*

I *Daniel Martin*

Signed Name *DANIEL MARTIN* Printed Name

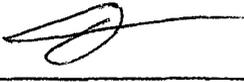
Certify this inspection to be true,  
Today's Date and Time: *9/27/07 3:30 pm*

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 2' - 4 1/2"

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee - Note any erosion or slough problems and action taken to correct:

all OK

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

Tank needs to be washed

Temperature 140%

David Martin Signed Name Daniel Martin Printed Name

Certify this inspection to be true,  
Today's Date and Time: 10/12/07 3:00 pm



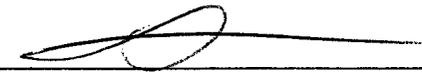


**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 2' - 5''

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee - Note any erosion or slough problems and action taken to correct:

all OK

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

Tanks needs to Be washed  
Needs a Temperature gauge can Not Read  
it

I David Wroster Signed Name Daniel Martinez Printed Name

Certify this inspection to be true,  
Today's Date and Time: 11/13/07 2:30 pm

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 0

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 2'-6"

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:

all OK

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

Temperature 120°  
Tanks needs to be washed

Berm are good oil in water pan

I David Martin Signed Name DAVID MARTIN Printed Name

Certify this inspection to be true,  
Today's Date and Time: 11/20/07 3:00 PM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 0

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 2'-6"

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:

all OK

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

all Berms are OK  
Temperature 160° Temperature gauge needs to  
Be replaced Tanks needs to Be washed

I Daniel Matus Signed Name DAWIEL MATHE Printed Name

Certify this inspection to be true,  
Today's Date and Time: 11/26/07 3:00 PM

**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 0

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 2'-6"

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:

all OK

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

Berms are all OK

Needs Temporary gagge can not read it

Tank needs to be washed

I Daniel Martinez Signed Name Daniel Martinez Printed Name

Certify this inspection to be true,  
Today's Date and Time: 12/7/07 8:00 A.M





**BENSON-MONTIN-GREER DRILLING CORP.**

NMOCD RULE 711 PERMIT NM-02-004 ( Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

**Evaporation Impoundment Weekly Inspection and Significant Event Report\*.**

\* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.

Results of H2S walk around: 0

( Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: 2'-4 1/2"

( Refer to permit if water level is a concern for action to be taken.)

General Condition of the Impoundment Levee - Note any erosion or slough problems and action taken to correct:

all OK

General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.

Berm are OK, Tank inlet  
Valve leaks Tank needs to be washed  
need Temperature gadge can not read it

I Daniel Martinez Signed Name Daniel Martinez Printed Name

Certify this inspection to be true,

Today's Date and Time: 12/31/07 12:30 pm