NM2-0004

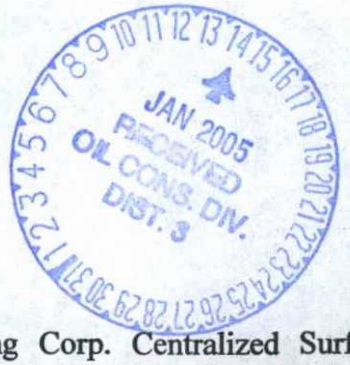
Annual Report

Date: January 13 2005

BMG

BENSON-MONTIN-GREER DRILLING CORP.

January 13, 2005



Ms. Martyne J. Kieling
NMOCD
Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: Annual Report for Benson-Montin-Greer Drilling Corp. Centralized Surface Waste Management Facility (Permit No. NM-02-0004) located in NW/4 Section 20, Township 25 North, Range 1 East, NMPM, Rio Arriba County, New Mexico

Dear Ms. Kieling:

Benson-Montin-Greer Drilling Corp. (BMG) submits the following Annual Report for the BMG Centralized Surface Waste Management Facility located in the NW/4 of Section 20, Township 25 North, Range 1 East, NMPM, Rio Arriba County, New Mexico. This Annual Report is to be submitted before March 1, 2005 as required by Permit No. NM-02-0004.

1. Attachment I is treatment zone monitoring results.
2. Attachment II is Monthly Inspection of leak detection system.
3. Attachment III is evaporation pond water analysis.
4. There are no below grade sumps to monitor.
5. There were no spills of record at the facility in the past year.
6. BMG continues to maintain records at the facility with internal forms.
7. There were no new structures installed at the facility in the past year.

Should you have any questions or require additional information, please contact me at the letterhead address and telephone number.

Sincerely,

Mike Dimond
Vice-President

MD/tlp

cc: Mr. Denny Foust, NMOCD with attachments
MD, BG, file

4900 College Boulevard, Farmington, NM 87402 (505) 325-8874 Fax (505) 327-9207

ATTACHMENT I

2004 Treatment Zone Sample Analysis Results

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

August 12, 2004

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

RE: Results of June, 2004, Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On June 21, 2004, 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 four treatment cells. Sample collection depth for each treatment cell ranged from 2 feet to 2.58 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 418.1 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, it is apparent that treatment cells #1, #2, and #3 are being tilled on a frequent basis. Soils within these cells were very loose, and no weeds or other vegetation, which would indicate infrequent tilling, were observed. No hydrocarbon stained soils were observed on the surface of any of the cells, and no hydrocarbon odors were noted during sample

collection. Treatment cell #4 appears to have not been in use for quite some time, and grasses and small herbaceous plants were observed across the entire cell.

Laboratory analysis results for all samples collected were below the method detection limit. The sample location for each treatment cell, as well as the associated analytical results, are presented on Figure 1. Laboratory analytical reports have also attached.

The next monitoring and sampling event is scheduled to be completed during the week of September 20, 2004. During this event, in addition to TPH and BTEX samples, samples will also be collected for analysis of major cations/anions and RCRA 8 metals, as required by the NMOCD permit for the facility.

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.

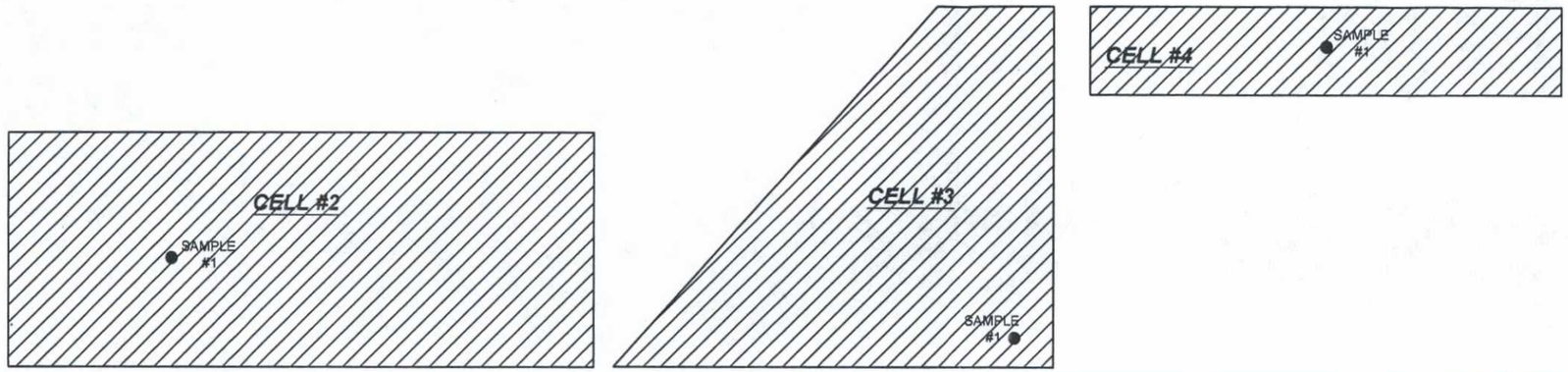
Sincerely,

Elizabeth D. McNally

Elizabeth McNally, PE

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

Files/2004/BMG/Landfarm Sampling/gcbmg081204.doc



LANDFARM WITH TREATMENT ZONE MONITORING LOCATIONS JUNE, 2004

BMG
CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY
NW1/4, NW1/4, SEC. 20, T25N, R1E,
RIO ARRIBA, CO., NM

Drn. By:	MRK	Date:	08/11/04
Rev. By:		Date:	

file:bmg/landfarm/sp.dwg

AES
Animas Environmental Services, LLC

SUMMARY OF QUARTERLY TREATMENT ZONE MONITORING JUNE, 2004

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 (MG/KG)
Cell #1	#1	N 36° 23.366' W 106° 52.028'	6/21/2004	2.3	<0.025	<0.025	<0.025	<0.050	<20
Cell #2	#1	N 36° 23.401' W 106° 51.992'	6/21/2004	2.58	<0.025	<0.025	<0.025	<0.050	<20
Cell #3	#1	N 36° 23.327' W 106° 51.856'	6/21/2004	2.2	<0.025	<0.025	<0.025	<0.050	<20
Cell #4	#1	N 36° 23.354' W 106° 51.777'	6/21/2004	2	<0.025	<0.025	<0.025	<0.050	<20

LEGEND

● SAMPLE COLLECTION POINT

NOTE: BTEX ANALYZED PER EPA METHOD 8021 AND TPH ANALYZED PER EPA METHOD 418.1. ALL RESULTS REPORTED AS MG/KG OR PPM.

SCALE

150 0 150
75
(1 INCH = 150 FEET)

N

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

Pinnacle Lab ID number **406083**
July 06, 2004

ANIMAS ENVIRONMENTAL SERVICES
624 EAST COMMANCHE
FARMINGTON, NM 87401

Project Name BMG LANDFARM SAMPLING
Project Number 040605

Attention: ROSS KENNEMER

On 06/22/04 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.

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

MR: jt

Enclosure

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 406083
PROJECT #	: 040605	DATE RECEIVED	: 06/22/04
PROJECT NAME	: BMG LANDFARM SAMPLING	REPORT DATE	: 07/06/04

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
406083 - 01	CELL #1 @ 28" BGS	NON-AQ	06/21/04
406083 - 02	CELL #2 @ 31" BGS	NON-AQ	06/21/04
406083 - 03	CELL #3 @ 26" BGS	NON-AQ	06/21/04
406083 - 04	CELL #4 @ 24" BGS	NON-AQ	06/21/04

PINNACLE LABORATORIES

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Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GENERAL CHEMISTRY RESULTS
EPA 418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 406083
PROJECT #	: 040605	DATE RECEIVED	: 06/22/04
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	CELL #1 @ 28" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1
02	CELL #2 @ 31" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1
03	CELL #3 @ 26" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1

PARAMETER	DET. LIMIT	UNITS	CELL #1 @ 28" BGS	CELL #2 @ 31" BGS	CELL #3 @ 26" BGS
PETROLEUM HYDROCARBONS	20	MG/KG	< 20	< 20	< 20

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
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Fax (505) 344-4413

GENERAL CHEMISTRY RESULTS
EPA 418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 406083
PROJECT #	: 040605	DATE RECEIVED	: 06/22/04
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	CELL #4 @ 24" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1

PARAMETER	DET. LIMIT	UNITS	CELL #4 @ 24" BGS
PETROLEUM HYDROCARBONS	20	MG/KG	< 20

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

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Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GENERAL CHEMISTRY - REAGENT BLANK
EPA 418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 406083
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM SAMPLING	UNITS	: MG/KG

PARAMETER	REAGENT BLANK I.D.	SAMPLE RESULT	DATE ANALYZED	ANALYST
PETROLEUM HYDROCARBONS	063004	<20	06/30/04	BP

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
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GENERAL CHEMISTRY - QUALITY CONTROL
LCS/LCSD

TEST	: EPA 418.1		
LCS/LCSD #	: 063004	PINNACLE I.D.	: 406083
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE EXTRACTED	: 06/30/04
PROJECT #	: 040605	DATE ANALYZED	: 06/30/04
PROJECT NAME	: BMG LANDFARM SAMPLING	SAMPLE MATRIX	: NON-AQ
		UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
PETROLEUM HYDROCARBONS	<20	254	254	100	244	96	4	(75 - 125)	20

CHEMIST NOTES:
N/A

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

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

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GENERAL CHEMISTRY - QUALITY CONTROL
MS/MSD

TEST	: EPA 418.1		
MSMSD #	: 406083-04	PINNACLE I.D.	: 406083
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE EXTRACTED	: 06/30/04
PROJECT #	: 040605	DATE ANALYZED	: 06/30/04
PROJECT NAME	: BMG LANDFARM SAMPLING	SAMPLE MATRIX	: NON-AQ
		UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
PETROLEUM HYDROCARBONS	<20	254	192	76	235	93	20	(75 - 125)	20

CHEMIST NOTES:
N/A

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

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

PINNACLE LABORATORIES

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Albuquerque, New Mexico 87107
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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B MODIFIED - METHANOL PRESERVATION
CLIENT : ANIMAS ENVIRONMENTAL SERVICES — PINNACLE I.D. : 406083
PROJECT # : 040605 — ANALYST : BP
PROJECT NAME : BMG LANDFARM SAMPLING

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	CELL #1 @ 28" BGS	NON-AQ	06/21/04	N/A	06/25/04	1
02	CELL #2 @ 31" BGS	NON-AQ	06/21/04	N/A	06/25/04	1
03	CELL #3 @ 26" BGS	NON-AQ	06/21/04	N/A	06/25/04	1

PARAMETER	DET. LIMIT	UNITS	CELL #1 @ 28" BGS	CELL #2 @ 31" BGS	CELL #3 @ 26" BGS
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	0.050	MG/KG	< 0.050	< 0.050	< 0.050
SURROGATE:					
BROMOFLUOROBENZENE (%)			99	95	99
SURROGATE LIMITS	(80 - 120)				
DRY WEIGHT (%)			80	93	82

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

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Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B MODIFIED - METHANOL PRESERVATION
CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 406083
PROJECT # : 040605 ANALYST : BP
PROJECT NAME : BMG LANDFARM SAMPLING

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	CELL #4 @ 24" BGS	NON-AQ	06/21/04	N/A	06/25/04	1

PARAMETER	DET. LIMIT	UNITS	CELL #4 @ 24" BGS
BENZENE	0.025	MG/KG	< 0.025
TOLUENE	0.025	MG/KG	< 0.025
ETHYLBENZENE	0.025	MG/KG	< 0.025
TOTAL XYLENES	0.050	MG/KG	< 0.050

SURROGATE:
BROMOFLUOROBENZENE (%) 98
SURROGATE LIMITS (80 - 120)
DRY WEIGHT (%) 93

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 406083
BLANK I. D.	: 062504	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/25/04
PROJECT #	: 040605	SAMPLE MATRIX	: FP
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.050

SURROGATE:
BROMOFLUOROBENZENE (%) 99
SURROGATE LIMITS:
CHEMIST NOTES:
N/A

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Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 406083
BATCH #	: 062504	DATE EXRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/25/04
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	1.02	102	1.01	101	1	(80 - 120)	20
TOLUENE	<0.025	1.00	1.02	102	1.00	100	2	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.06	106	1.05	105	1	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.09	103	3.06	102	1	(80 - 120)	20

CHEMIST NOTES:
N/A

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

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

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GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 406083
MS/MSD #	: 406083-03	DATE EXRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/25/04
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	1.22	122	1.20	120	2	(80 - 120)	20
TOLUENE	<0.025	1.00	1.04	104	1.05	105	1	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.06	106	1.08	108	2	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.13	104	3.18	106	2	(80 - 120)	20

CHEMIST NOTES:
N/A

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

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

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 6-22-04 PAGE: 1 OF 1

PLI ACCESSION #: 060083

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Ross Kennemer

COMPANY: Animas Environmental

ADDRESS: 624 E. Comanche
Farmington, NM 87401

PHONE: 564-2281

FAX: 324-2022

BILL TO: AES

COMPANY:

ADDRESS:

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
Cell #1 @ 28" BGS	6-21-04	1055	Soil	-01
Cell #2 @ 31" BGS	6-21-04	1128	Soil	-02
Cell #3 @ 26" BGS	6-21-04	1157	Soil	-03
Cell #4 @ 24" BGS	6-21-04	1226	Soil	-04

ANALYSIS REQUEST

Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject		(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐		8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	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 (Method1311)	Metals:	NUMBER OF CONTAINERS
X					X																					3
X					X																					3
X					X																					3
X					X																					3

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

PROJECT INFORMATION

PROJ. NO.: 040605

PROJ. NAME: BMG Landfarm sampling

P.O. NO.:

SHIPPED VIA: Bus

SAMPLE RECEIPT

NO. CONTAINERS: 12

CUSTODY SEALS: N/A

RECEIVED INTACT: Y

BLUE ICE/ICE: Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐ 1 WEEK (NORMAL) ☒

*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☒ METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

BTEX Only on 8021

RELINQUISHED BY: 1

Signature: Ross Kennemer Time: 0711

Printed Name: Ross Kennemer Date: 6-22-04

Company:

See Reverse side (Force Majeure)

RECEIVED BY: 1

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 2

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: (LAB) 2

Signature: Time: 1730

Printed Name: Date: 6-22-04

Pinnacle Laboratories Inc.

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

August 12, 2004

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

RE: Results of June, 2004, Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

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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.

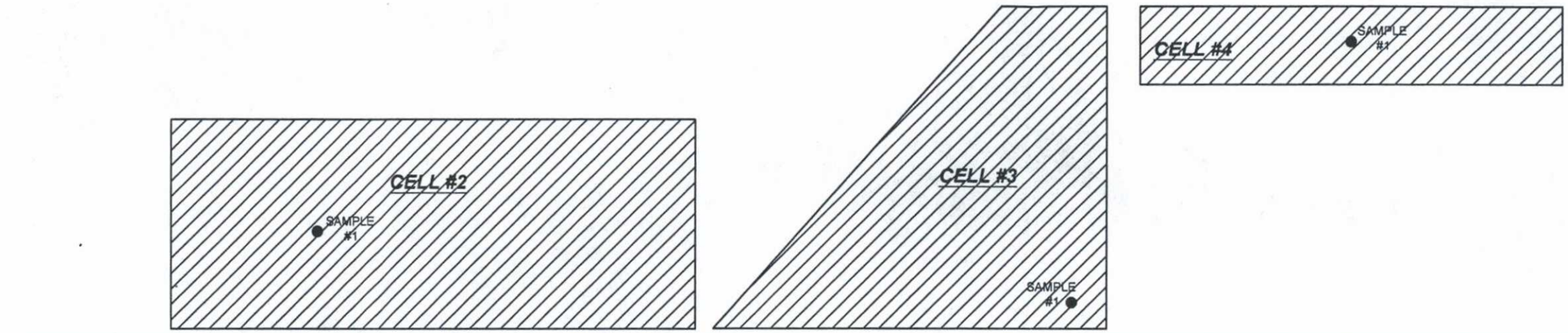
Sincerely,

Elizabeth D. McNally

Elizabeth McNally, PE

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

Files/2004/BMG/Landfarm Sampling/gcbmg081204.doc



LANDFARM WITH TREATMENT ZONE MONITORING LOCATIONS JUNE, 2004

BMG
CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY
NW1/4, NW1/4, SEC. 20, T25N, R1E,
RIO ARRIBA, CO., NM

Drn. By:	MRK	Date:	08/11/04
Rev. By:		Date:	

file:bmg/landfarm/sp.dwg

AES
Animas Environmental Services, LLC

LEGEND

● SAMPLE COLLECTION POINT

SUMMARY OF QUARTERLY TREATMENT ZONE MONITORING JUNE, 2004

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 (MG/KG)
Cell #1	#1	N 36° 23.366' W 106° 52.028'	6/21/2004	2.3	<0.025	<0.025	<0.025	<0.050	<20
Cell #2	#1	N 36° 23.401' W 106° 51.992'	6/21/2004	2.58	<0.025	<0.025	<0.025	<0.050	<20
Cell #3	#1	N 36° 23.327' W 106° 51.856'	6/21/2004	2.2	<0.025	<0.025	<0.025	<0.050	<20
Cell #4	#1	N 36° 23.354' W 106° 51.777'	6/21/2004	2	<0.025	<0.025	<0.025	<0.050	<20

NOTE: BTEX ANALYZED PER EPA METHOD 8021 AND TPH ANALYZED PER EPA METHOD 418.1. ALL RESULTS REPORTED AS MG/KG OR PPM.

SCALE

150 0 150
75
(1 INCH = 150 FEET)

N

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

Pinnacle Lab ID number **406083**
July 06, 2004

ANIMAS ENVIRONMENTAL SERVICES
624 EAST COMMANCHE
FARMINGTON, NM 87401

Project Name BMG LANDFARM SAMPLING
Project Number 040605

Attention: ROSS KENNEMER

On 06/22/04 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.

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

MR: jt

Enclosure

PINNACLE LABORATORIES

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CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 406083
PROJECT #	: 040605	DATE RECEIVED	: 06/22/04
PROJECT NAME	: BMG LANDFARM SAMPLING	REPORT DATE	: 07/06/04

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
406083 - 01	CELL #1 @ 28" BGS	NON-AQ	06/21/04
406083 - 02	CELL #2 @ 31" BGS	NON-AQ	06/21/04
406083 - 03	CELL #3 @ 26" BGS	NON-AQ	06/21/04
406083 - 04	CELL #4 @ 24" BGS	NON-AQ	06/21/04

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GENERAL CHEMISTRY RESULTS
EPA 418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 406083
PROJECT #	: 040605	DATE RECEIVED	: 06/22/04
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
1	CELL #1 @ 28" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1
2	CELL #2 @ 31" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1
3	CELL #3 @ 26" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1

PARAMETER	DET. LIMIT	UNITS	CELL #1 @ 28" BGS	CELL #2 @ 31" BGS	CELL #3 @ 26" BGS
PETROLEUM HYDROCARBONS	20	MG/KG	< 20	< 20	< 20

CHEMIST NOTES:
N/A

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GENERAL CHEMISTRY RESULTS
EPA 418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 406083
PROJECT #	: 040605	DATE RECEIVED	: 06/22/04
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
4	CELL #4 @ 24" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1

PARAMETER	DET. LIMIT	UNITS	CELL #4 @ 24" BGS
PETROLEUM HYDROCARBONS	20	MG/KG	< 20

CHEMIST NOTES:
N/A

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GENERAL CHEMISTRY - REAGENT BLANK
EPA 418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 406083
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM SAMPLING	UNITS	: MG/KG

PARAMETER	REAGENT BLANK I.D.	SAMPLE RESULT	DATE ANALYZED	ANALYST
PETROLEUM HYDROCARBONS	063004	<20	06/30/04	BP

CHEMIST NOTES:
N/A

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GENERAL CHEMISTRY - QUALITY CONTROL
LCS/LCSD

EST	: EPA 418.1		
CS/LCSD #	: 063004	PINNACLE I.D.	: 406083
LIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE EXTRACTED	: 06/30/04
ROJECT #	: 040605	DATE ANALYZED	: 06/30/04
ROJECT NAME	: BMG LANDFARM SAMPLING	SAMPLE MATRIX	: NON-AQ
		UNITS	: MG/KG

ARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
ETROLEUM HYDROCARBONS	<20	254	254	100	244	96	4	(75 - 125)	20

HEMIST NOTES:
A

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

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

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GENERAL CHEMISTRY - QUALITY CONTROL
MS/MSD

TEST	: EPA 418.1		
MSMSD #	: 406083-04	PINNACLE I.D.	: 406083
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE EXTRACTED	: 06/30/04
PROJECT #	: 040605	DATE ANALYZED	: 06/30/04
PROJECT NAME	: BMG LANDFARM SAMPLING	SAMPLE MATRIX	: NON-AQ
		UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
PETROLEUM HYDROCARBONS	<20	254	192	76	235	93	20	(75 - 125)	20

CHEMIST NOTES:
N/A

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

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

PINNACLE LABORATORIES

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GAS CHROMATOGRAPHY RESULTS

EST : EPA 8021B MODIFIED - METHANOL PRESERVATION
LIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 406083
ROJECT # : 040605 ANALYST : BP
ROJECT NAME : BMG LANDFARM SAMPLING

AMPLE . #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
1	CELL #1 @ 28" BGS	NON-AQ	06/21/04	N/A	06/25/04	1
2	CELL #2 @ 31" BGS	NON-AQ	06/21/04	N/A	06/25/04	1
3	CELL #3 @ 26" BGS	NON-AQ	06/21/04	N/A	06/25/04	1

ARAMETER	DET. LIMIT	UNITS	CELL #1 @ 28" BGS	CELL #2 @ 31" BGS	CELL #3 @ 26" BGS
ENZENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025
OLUENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025
THYLBENZENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025
OTAL XYLENES	0.050	MG/KG	< 0.050	< 0.050	< 0.050
URROGATE:					
ROMOFLUOROBENZENE (%)			99	95	99
URROGATE LIMITS	(80 - 120)				
RY WEIGHT (%)			80	93	82

HEMIST NOTES:
A

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B MODIFIED - METHANOL PRESERVATION
CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 406083
PROJECT # : 040605 ANALYST : BP
PROJECT NAME : BMG LANDFARM SAMPLING

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	CELL #4 @ 24" BGS	NON-AQ	06/21/04	N/A	06/25/04	1

PARAMETER	DET. LIMIT	UNITS	CELL #4 @ 24" BGS
BENZENE	0.025	MG/KG	< 0.025
TOLUENE	0.025	MG/KG	< 0.025
ETHYLBENZENE	0.025	MG/KG	< 0.025
TOTAL XYLENES	0.050	MG/KG	< 0.050
SURROGATE:			
BROMOFLUOROBENZENE (%)			98
SURROGATE LIMITS	(80 - 120)		
DRY WEIGHT (%)			93

CHEMIST NOTES:
N/A

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GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

'EST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 406083
LANK I. D.	: 062504	DATE EXTRACTED	: N/A
)LIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/25/04
'ROJECT #	: 040605	SAMPLE MATRIX	: FP
ROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

ARAMETER	UNITS	
ENZENE	MG/KG	<0.025
OLUENE	MG/KG	<0.025
THYLBENZENE	MG/KG	<0.025
OTAL XYLENES	MG/KG	<0.050

URROGATE:
ROMOFLUOROBENZENE (%) 99
URROGATE LIMITS:
HEMIST NOTES:
A

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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 406083
BATCH #	: 062504	DATE EXRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/25/04
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	1.02	102	1.01	101	1	(80 - 120)	20
TOLUENE	<0.025	1.00	1.02	102	1.00	100	2	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.06	106	1.05	105	1	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.09	103	3.06	102	1	(80 - 120)	20

CHEMIST NOTES:
NA

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

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

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GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 406083
MS/MSD #	: 406083-03	DATE EXRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/25/04
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	1.22	122	1.20	120	2	(80 - 120)	20
TOLUENE	<0.025	1.00	1.04	104	1.05	105	1	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.06	106	1.08	108	2	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.13	104	3.18	106	2	(80 - 120)	20

CHEMIST NOTES:
N/A

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

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

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 6-22-04 PAGE: 1 OF 1

PLI Accession #: 4060083

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Ross Kennemer

COMPANY: Animas Environmental

ADDRESS: 624 E. Comanche
Farmington, NM 87401

PHONE: 564-2281

FAX: 324-2022

BILL TO: AES

COMPANY:

ADDRESS:

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	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 (Method1311)	Metals:		NUMBER OF CONTAINERS
Cell #1 @ 28" BGS	6-21-04	1055	Soil	-01	X				X																					3
Cell #2 @ 31" BGS	6-21-04	1128	Soil	-02	X				X																					3
Cell #3 @ 26" BGS	6-21-04	1157	Soil	-03	X				X																					3
Cell #4 @ 24" BGS	6-21-04	1226	Soil	-04	X				X																					3

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

PROJECT INFORMATION

PROJ. NO.: 040605

PROJ. NAME: BMG Land Farm sampling

P.O. NO.:

SHIPPED VIA: Bus

SAMPLE RECEIPT

NO. CONTAINERS	12
CUSTODY SEALS	Y/N/NA
RECEIVED INTACT	Y
BLUE ICE/ICE	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐1 WEEK (NORMAL) ☒
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☒ METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

BTEX Only on 8021

RELINQUISHED BY: 1.

Signature: Ross Kennemer Time: 0711

Printed Name: Ross Kennemer Date: 6-22-04

Company:

See Reverse side (Force Majeure)

RECEIVED BY: 1.

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: (LAB) 2.

Signature: Time: 1730

Printed Name: Date: 6/22/04

Pinnacle Laboratories Inc.

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

November 30, 2004

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

RE: Results of September, 2004, Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On September 30, 2004, 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 four treatment cells. Sample collection depth for each treatment cell ranged from 2.5 feet to 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 418.1 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) CO_2 and Forms of Alkalinity per EPA Method 4500D; 3) alkalinity as $CaCO_3$ per EPA Method 2320B; 4) specific conductance per EPA Method 9050A; 5) chloride per EPA Method 9251; 6) sulfate as SO_4 per EPA Method 3.75.4-EXT; 7) fluoride per EPA Method 340.2-EXT; and 8) metals per EPA Method 6010B.

Treatment Zone Monitoring Results

Based on AES's observations of the treatment cells at the time of sample collection, it is apparent that treatment cells #1, #2, and #3 are being tilled on a frequent basis. Soils within these cells were very loose, and no weeds or other vegetation, which would indicate infrequent tilling, were observed. No hydrocarbon stained soils were observed on the surface of any of the cells, and no hydrocarbon odors were noted during sample collection. Treatment cell #4 continues to appear to be not in use, and grasses and small herbaceous plants were observed across the entire cell.

Laboratory analytical results for all samples collected were below the method detection limits for hydrocarbons, except for the sample collected from Cell #2, which had a TPH concentration of 92 mg/kg. The sample location for each treatment cell, as well as the associated analytical results, are presented on Figure 1 and in Tables 1 and 2. Laboratory analytical reports have also attached.

The next monitoring and sampling event is scheduled to be completed during the week of December 6, 2004. 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,

Elizabeth D. McNally

Elizabeth McNally, PE

Attachments: Figure 1. Treatment Zone Monitoring Locations
Table 1 and 2. Laboratory Analytical Results
Pinnacle Laboratory Analytical Reports

Files/2004/BMG/Landfarm Sampling/gcbmg113004

Table 2.
Summary of Major Cations/Anions
Annual Treatment Zone Monitoring
September, 2004

LANDFARM I.D.	SAMPLE I.D.	SAMPLE DATE	SAMPLE DEPTH (ft)	pH	Bicarbonate (MG/KG)	Free CO_2 (MG/KG)	Carbonate (MG/KG)	Hydroxide (MG/KG)	Total CO_2 (MG/KG)	Alkalinity as $CaCO_3$ (MG/KG)	Specific Conductance (umhos/cm)	Chloride (MG/KG)	Sulfate as SO_4 (MG/KG)	Flouride (MG/KG)	Calcium (MG/KG)	Magnesium (MG/KG)	Sodium (MG/KG)
Cell #1	#1	9/30/2004	3.0	7.4	360	79	<20	<20	400	360	51	<47	170	11	5,700	3,300	<99
Cell #2	#1	9/30/2004	2.5	7.1	<20	<20	<20	<20	<20	<25	13	<49	<120	<4.9	6,200	3,100	<110
Cell #3	#1	9/30/2004	2.8	7.0	550	120	<20	<20	610	550	36	<45	<110	5	3,000	2,000	<88
Cell #4	#1	9/30/2004	2.5	6.9	33	130	<20	<20	160	33	6.1	<44	<110	<4.4	3,700	2,600	<97

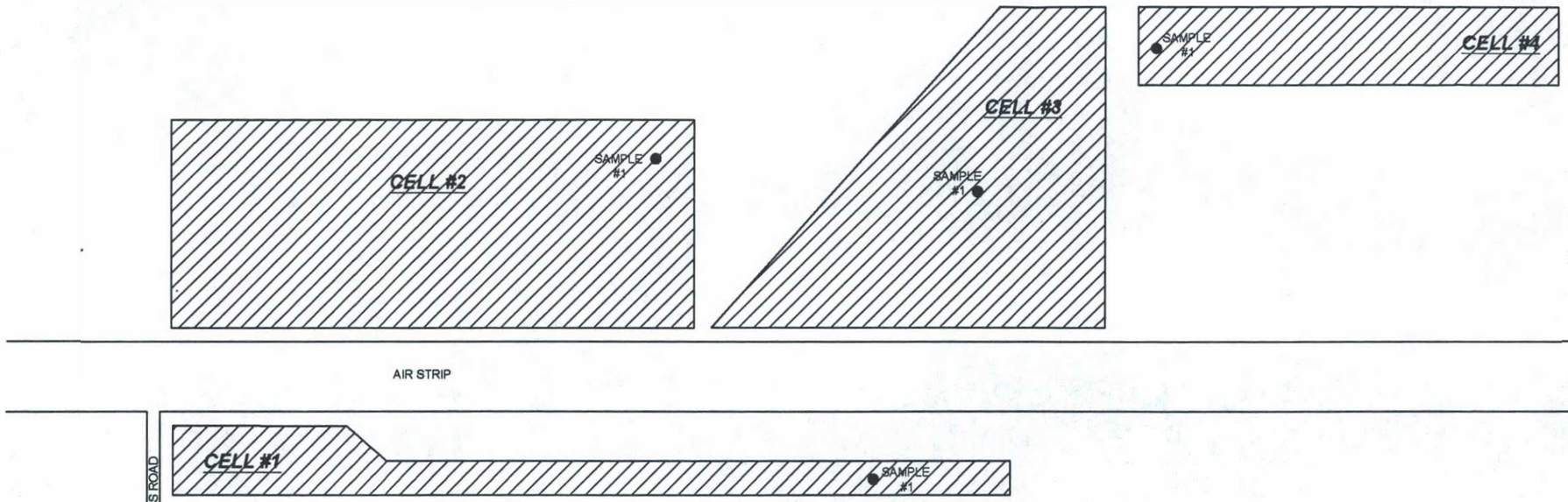

TABLE 1.
SUMMARY OF QUARTERLY TREATMENT ZONE MONITORING
SEPTEMBER, 2004

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 (MG/KG)
Cell #1	#1	N 36° 23.338' W 106° 51.955'	9/30/2004	3	<0.025	<0.025	<0.025	<0.050	<20
Cell #2	#1	N 36° 23.400' W 106° 51.923'	9/30/2004	2.5	<0.025	<0.025	<0.025	<0.050	**92**
Cell #3	#1	N 36° 23.348' W 106° 51.872'	9/30/2004	2.8	<0.025	<0.025	<0.025	<0.050	<20
Cell #4	#1	N 36° 23.354' W 106° 51.777'	9/30/2004	2.5	<0.025	<0.025	<0.025	<0.050	<20

LANDFARM WITH TREATMENT ZONE MONITORING LOCATIONS SEPTEMBER, 2004

BMG
CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY
NW1/4, NW1/4, SEC. 20, T25N, R1E,
RIO ARRIBA, CO., NM

Drn. By:	MRK	Date:	11/22/04
Rev. By:		Date:	

file:bmg/landfarm/sp.dwg

AES
Animas Environmental Services, LLC

LEGEND

● SAMPLE COLLECTION POINT

NOTE: BTEX ANALYZED PER EPA METHOD 8021 AND TPH ANALYZED PER EPA METHOD 418.1. ALL RESULTS REPORTED AS MG/KG OR PPM.

MAJOR CATIONS / ANIONS AND METALS ARE SUMMARIZED IN TABLE 2.

SCALE

150 0 150
75
(1 INCH = 150 FEET)

N

entered Pinnacle Labs 11-1-04 CR

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Fax (505) 344-4413

PINNACLE LABORATORIES

Pinnacle Lab ID number **410014**
October 26, 2004

ANIMAS ENVIRONMENTAL SERVICES
624 EAST COMMANCHE
FARMINGTON, NM 87401

Project Name BMG LANDFARM SAMPLING
Project Number 040605

Attention: ROSS KENNEMER

On 10/01/2004 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 418.1 and 8015 analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

All remaining analyses were performed by Severn Trent Laboratories, Inc. Pensacola, FL.

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 LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 410014
PROJECT #	: 040605	DATE RECEIVED	: 10/01/2004
PROJECT NAME	: BMG LANDFARM SAMPLING	REPORT DATE	: 10/26/2004

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
410014 - 01	Cell #1 Sample #1 @ 3' BGS	NON-AQ	09/30/2004
410014 - 02	Cell #2 Sample #1 @ 2.5' BGS	NON-AQ	09/30/2004
410014 - 03	Cell #3 Sample #1 @ 2.8' BGS	NON-AQ	09/30/2004
410014 - 04	Cell #4 Sample #1 @ 2.5' BGS	NON-AQ	09/30/2004

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GENERAL CHEMISTRY RESULTS
418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 410014
PROJECT #	: 040605	DATE RECEIVED	: 10/01/2004
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	Cell #1 Sample #1 @ 3' BGS	NON-AQ	09/30/2004	10/12/2004	10/12/2004	1
02	Cell #2 Sample #1 @ 2.5' BGS	NON-AQ	09/30/2004	10/12/2004	10/12/2004	1
03	Cell #3 Sample #1 @ 2.8' BGS	NON-AQ	09/30/2004	10/12/2004	10/12/2004	1

PARAMETER	DET. LIMIT	UNITS	Cell #1 Sample #1 @ 3' BGS	Cell #2 Sample #1 @ 2.5' BGS	Cell #3 Sample #1 @ 2.8' BGS
PETROLEUM HYDROCARBONS	**20**	**MG/KG**	< 20	**92**	< 20

CHEMIST NOTES:
N/A

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GENERAL CHEMISTRY RESULTS
418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 410014
PROJECT #	: 040605	DATE RECEIVED	: 10/01/2004
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	Cell #4 Sample #1 @ 2.5' BGS	NON-AQ	09/30/2004	10/12/2004	10/12/2004	1

PARAMETER	DET. LIMIT	UNITS	Cell #4 Sample #1 @ 2.5' BGS
PETROLEUM HYDROCARBONS	20	MG/KG	< 20

CHEMIST NOTES:
N/A

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GENERAL CHEMISTRY - REAGENT BLANK
418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 410014
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM SAMPLING	UNITS	: MG/KG

PARAMETER	REAGENT BLANK I.D.	SAMPLE RESULT	DATE ANALYZED	ANALYST
PETROLEUM HYDROCARBONS	101204	<20	10/12/04	BP

CHEMIST NOTES:
N/A

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PINNACLE LABORATORIES

GENERAL CHEMISTRY - QUALITY CONTROL
LCS/LCSD

TEST	: 418.1	PINNACLE I.D.	: 410014
LCS/LCSD #	: 101204	DATE EXTRACTED	: 10/12/2004
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 10/12/2004
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
PETROLEUM HYDROCARBONS	<10	254	207	81	243	96	16	(75 - 125)	20

CHEMIST NOTES:
N/A . . .

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

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

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GENERAL CHEMISTRY - QUALITY CONTROL
MS/MSD

TEST	: 418.1		
MSMSD #	: 410014-01	PINNACLE I.D.	: 410014
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE EXTRACTED	: 10/12/2004
PROJECT #	: 040605	DATE ANALYZED	: 10/12/2004
PROJECT NAME	: BMG LANDFARM SAMPLING	SAMPLE MATRIX	: NON-AQ
		UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
PETROLEUM HYDROCARBONS	<10	254	221	87	211	83	5	(75 - 125)	20

CHEMIST NOTES:
N/A

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

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

PINNACLE LABORATORIES

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B - METHANOL PRESERVATION
CLIENT : ANIMAS ENVIRONMENTAL SERVICES — PINNACLE I.D. : 410014
PROJECT # : 040605 — ANALYST : BP
PROJECT NAME : BMG LANDFARM SAMPLING

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	Cell #1 Sample #1 @ 3' BGS	NON-AQ	09/30/2004	NA	10/06/2004	1
02	Cell #2 Sample #1 @ 2.5' BGS	NON-AQ	09/30/2004	NA	10/06/2004	1
03	Cell #3 Sample #1 @ 2.8' BGS	NON-AQ	09/30/2004	NA	10/06/2004	1

PARAMETER	DET. LIMIT	UNITS	Cell #1 Sample #1 @ 3' BGS	Cell #2 Sample #1 @ 2.5' BGS	Cell #3 Sample #1 @ 2.8' BGS
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	0.050	MG/KG	< 0.050	< 0.050	< 0.050
SURROGATE:					
BROMOFLUOROBENZENE (%)			99	97	106
SURROGATE LIMITS	(80 - 120)				
DRY WEIGHT (%)			83	85	88

CHEMIST NOTES:
N/A

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B - METHANOL PRESERVATION
CLIENT : ANIMAS ENVIRONMENTAL SERVICES
PROJECT # : 040605
PROJECT NAME : BMG LANDFARM SAMPLING

PINNACLE I.D. : 410014
ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	Cell #4 Sample #1 @ 2.5' BGS	NON-AQ	09/30/2004	NA	10/06/2004	1

PARAMETER	DET. LIMIT	UNITS	Cell #4 Sample #1 @ 2.5' BGS
BENZENE	0.025	MG/KG	< 0.025
TOLUENE	0.025	MG/KG	< 0.025
ETHYLBENZENE	0.025	MG/KG	< 0.025
TOTAL XYLENES	0.050	MG/KG	< 0.050
SURROGATE:			
BROMOFLUOROBENZENE (%)			98
SURROGATE LIMITS	(80 - 120)		
DRY WEIGHT (%)			90

CHEMIST NOTES:
N/A

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GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B	PINNACLE I.D.	: 410014
BLANK I.D.	: 100504B	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 10/06/2004
PROJECT #	: 040605	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.050
SURROGATE:		
BROMOFLUOROBENZENE (%)		101
SURROGATE LIMITS	(80 - 120)	

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 410014
BATCH #	: 100504B	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 10/06/2004
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	1.02	102	1.02	102	0	(80 - 120)	20
TOLUENE	<0.025	1.00	0.982	98	0.985	99	0	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	0.984	98	0.987	99	0	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	2.93	98	2.93	98	0	(80 - 120)	20

CHEMIST NOTES:
N/A

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

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

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GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 410014
MSMSD #	: 410014-04	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 10/06/2004
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	1.05	105	1.05	105	0	(80 - 120)	20
TOLUENE	<0.025	1.00	1.00	100	0.998	100	0	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	0.997	100	0.998	100	0	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	2.96	99	2.97	99	0	(80 - 120)	20

CHEMIST NOTES:
N/A

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

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

SEVERN TRENT STL

STL Pensacola 3355 McLemore Drive - Pensacola FL 32514 Telephone:(850) 474-1001 Fax:(850) 478-2671

Analytical Report

For: Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107
CC:

Order Number: C410119
SDG Number:
Client Project ID:
Project: 410014-AES/BMG LANDFARM SAMPLING
Report Date: 10/20/2004
Sampled By: Client
Sample Received Date: 10/05/2004
Requisition Number:
Purchase Order:

Marty Edwards, Project Manager
medwards@stl-inc.com

SEVERN TRENT STL

STL Pensacola 3355 McLemore Drive - Pensacola FL 32514 Telephone:(850) 474-1001 Fax:(850) 478-2671

Sample Summary

Order: C410119
Date Received: 10/05/2004

Client: Pinnacle Laboratories
Project: 410014-AES/BMG LANDFARM SAMPLING

Client Sample ID	Lab Sample ID	Matrix	Date Sampled
CELL #1 #1 @ 3'BGS/410014-01	C410119*1	Solid	09/30/2004 10:30
CELL #2 #1 @ 2.5' BGS/410014-02	C410119*2	Solid	09/30/2004 11:01
CELL #3 #1 @ 2.8' BGS/410014-03	C410119*3	Solid	09/30/2004 11:28
CELL #4 #1 @ 2.5' BGS/410014-04	C410119*4	Solid	09/30/2004 11:57

SEVERN TRENT STL

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10119-1	CELL #1 #1 @ 3'BGS/410014-01	Solid	10/05/04	09/30/04 10:30	
10119-2	CELL #2 #1 @ 2.5' BGS/410014-02	Solid	10/05/04	09/30/04 11:01	
10119-3	CELL #3 #1 @ 2.8' BGS/410014-03	Solid	10/05/04	09/30/04 11:28	
10119-4	CELL #4 #1 @ 2.5' BGS/410014-04	Solid	10/05/04	09/30/04 11:57	

Parameter	Units	Lab Sample IDs 10119-1	10119-2	10119-3	10119-4
pH (9045C)					
pH	units	7.4	7.1	7.0	6.9
Dilution Factor		1	1	1	1
Prep Date		10/05/04	10/05/04	10/05/04	10/05/04
Analysis Date		10/05/04	10/05/04	10/05/04	10/05/04
Batch ID		PHX171	PHX171	PHX171	PHX171
Prep Method		9045C	9045C	9045C	9045C
Analyst		GK	GK	GK	GK
CO2 and Forms of Alkalinity (4500D)					
Bicarbonate (2320/4500)	mg/kg dw	360	<20	550	33
Carbon Dioxide, Free	mg/kg dw	79	<20	120	130
Carbonate (2320/4500)	mg/kg dw	<20	<20	<20	<20
Hydroxide	mg/kg dw	<20	<20	<20	<20
Carbon Dioxide, Total	mg/kg dw	400	<20	610	160
Dilution Factor		20	20	20	20
Analysis Date		10/06/04	10/06/04	10/06/04	10/06/04
Batch ID		AES002	AES002	AES002	AES002
Analyst		ST	ST	ST	ST
Alkalinity (to pH 4.5) as CaCO3 (2320B)					
Alkalinity (to pH 4.5) as CaCO3	mg/kg dw	360	<25	550	33
Dilution Factor		20	20	20	20
Analysis Date		10/06/04	10/06/04	10/06/04	10/06/04
Batch ID		AES002	AES002	AES002	AES002
Analyst		ST	ST	ST	ST

SEVERN TRENT STL

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10119-1	CELL #1 #1 @ 3'BGS/410014-01	Solid	10/05/04	09/30/04 10:30	
10119-2	CELL #2 #1 @ 2.5' BGS/410014-02	Solid	10/05/04	09/30/04 11:01	
10119-3	CELL #3 #1 @ 2.8' BGS/410014-03	Solid	10/05/04	09/30/04 11:28	
10119-4	CELL #4 #1 @ 2.5' BGS/410014-04	Solid	10/05/04	09/30/04 11:57	

Parameter	Units	Lab Sample IDs 10119-1	10119-2	10119-3	10119-4
Specific Conductance (9050A)					
Specific Conductance	umhos/cm	51	13	36	6.1
Dilution Factor		1	1	1	1
Prep Date		10/16/04	10/16/04	10/16/04	10/16/04
Analysis Date		10/06/04	10/06/04	10/06/04	10/06/04
Batch ID		CDW021	CDW021	CDW021	CDW021
Prep Method		9050A	9050A	9050A	9050A
Analyst		ST	ST	ST	ST
Chloride (9251)					
Chloride	mg/kg dw	<47	<49	<45	<44
Dilution Factor		20	20	20	20
Prep Date		10/12/04	10/12/04	10/12/04	10/12/04
Analysis Date		10/12/04	10/12/04	10/12/04	10/12/04
Batch ID		CKS078	CKS078	CKS078	CKS078
Prep Method		SOP 885	SOP 885	SOP 885	SOP 885
Analyst		CR	CR	CR	CR
Sulfate as SO4 (375.4-EXT)					
Sulfate as SO4	mg/kg dw	170	<120	<110	<110
Dilution Factor		20	20	20	20
Prep Date		10/12/04	10/12/04	10/12/04	10/12/04
Analysis Date		10/12/04	10/12/04	10/12/04	10/12/04
Batch ID		SES068	SES068	SES068	SES068
Prep Method		SOP819	SOP819	SOP819	SOP819
Analyst		CR	CR	CR	CR

SEVERN TRENT STL

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10119-1	CELL #1 #1 @ 3'BGS/410014-01	Solid	10/05/04	09/30/04 10:30	
10119-2	CELL #2 #1 @ 2.5' BGS/410014-02	Solid	10/05/04	09/30/04 11:01	
10119-3	CELL #3 #1 @ 2.8' BGS/410014-03	Solid	10/05/04	09/30/04 11:28	
10119-4	CELL #4 #1 @ 2.5' BGS/410014-04	Solid	10/05/04	09/30/04 11:57	

Parameter	Units	Lab Sample IDs 10119-1	10119-2	10119-3	10119-4
Fluoride (340.2-EXT)					
Fluoride	mg/kg dw	11	<4.9	5.0	<4.4
Dilution Factor		20	20	20	20
Prep Date		10/09/04	10/09/04	10/09/04	10/09/04
Analysis Date		10/09/04	10/09/04	10/09/04	10/09/04
Batch ID		FLS011	FLS011	FLS011	FLS011
Prep Method		SOP 832	SOP 832	SOP 832	SOP 832
Analyst		ST	ST	ST	ST
Metals (6010B)					
Calcium	mg/kg dw	5700	6200	3000	3700
Magnesium	mg/kg dw	3300	3100	2000	2600
Potassium	mg/kg dw	2800	1500	1300	3300
Sodium	mg/kg dw	<99	<110	<88	<97
Dilution Factor		1	1	1	1
Prep Date		10/08/04	10/08/04	10/08/04	10/08/04
Analysis Date		10/09/04	10/09/04	10/09/04	10/09/04
Batch ID		PS190	PS190	PS190	PS190
Prep Method		3050B	3050B	3050B	3050B
Analyst		GSP	GSP	GSP	GSP
Quantitation Factor		98.86	106.4	88.47	96.62

SEVERN TRENT STL

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10119-5	Method Blank	Solid	10/05/04		
10119-6	Lab Control Standard % Recovery	Solid	10/05/04		
10119-7	LCS Accuracy Control Limit (%R)	Solid	10/05/04		
10119-8	Precision (%RPD) MS/MSD	Solid	10/05/04		
10119-9	MS Precision Advisory Limit (%RPD)	Solid	10/05/04		

Parameter	Units	Lab Sample IDs 10119-5	10119-6	10119-7	10119-8	10119-9
CO2 and Forms of Alkalinity (4500D)						
Bicarbonate (2320/4500)	mg/kg dw	N/A	N/A	N/A	N/A	N/A
Alkalinity (to pH 4.5) as CaCO3 (2320B)						
Alkalinity (to pH 4.5) as CaCO3	mg/kg dw	<20	100 %	90-110	1	20
Dilution Factor		20				
Analysis Date		10/06/04				
Batch ID		AES002	AES002		AES002	
Analyst		ST				
Specific Conductance (9050A)						
Specific Conductance	umhos/cm	<1.0	101 %	98-120	N/A	N/A
Dilution Factor		1				
Prep Date		10/16/04				
Analysis Date		10/06/04				
Batch ID		CDW021	CDW021			
Prep Method		9050A				
Analyst		ST				

SEVERN TRENT STL

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10119-5	Method Blank	Solid	10/05/04		
10119-6	Lab Control Standard % Recovery	Solid	10/05/04		
10119-7	LCS Accuracy Control Limit (%R)	Solid	10/05/04		
10119-8	Precision (%RPD) MS/MSD	Solid	10/05/04		
10119-9	MS Precision Advisory Limit (%RPD)	Solid	10/05/04		

Parameter	Units	Lab Sample IDs 10119-5	10119-6	10119-7	10119-8	10119-9
Chloride (9251)						
Chloride	mg/kg dw	<40	95 %	90-110	0	20
Dilution Factor		20				
Prep Date		10/12/04				
Analysis Date		10/12/04				
Batch ID		CKS078	CKS078		CKS078	
Prep Method		SOP 885				
Analyst		CR				
Sulfate as SO4 (375.4-EXT)						
Sulfate as SO4	mg/kg dw	<100	99 %	90-110	0	20
Dilution Factor		20				
Prep Date		10/12/04				
Analysis Date		10/12/04				
Batch ID		SES068	SES068		SES068	
Prep Method		SOP819				
Analyst		CR				
Fluoride (340.2-EXT)						
Fluoride	mg/kg dw	<4.0	99 %	90-110	2	20
Dilution Factor		20				
Prep Date		10/09/04				
Analysis Date		10/09/04				
Batch ID		FLS011	FLS011		FLS011	
Prep Method		SOP 832				
Analyst		ST				

SEVERN TRENT STL

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10119-5	Method Blank	Solid	10/05/04		
10119-6	Lab Control Standard % Recovery	Solid	10/05/04		
10119-7	LCS Accuracy Control Limit (%R)	Solid	10/05/04		
10119-8	Precision (%RPD) MS/MSD	Solid	10/05/04		
10119-9	MS Precision Advisory Limit (%RPD)	Solid	10/05/04		

Parameter	Units	Lab Sample IDs 10119-5	10119-6	10119-7	10119-8	10119-9
Metals (6010B)						
Calcium	mg/kg dw	<50	87 %	2680-4180	7 %	20
Magnesium	mg/kg dw	<50	89 %	1560-2520	3 %	20
Potassium	mg/kg dw	<100	86 %	1400-2540	2 %	20
Sodium	mg/kg dw	<100	91 %	221-579	4 %	20
Dilution Factor		1				
Prep Date		10/08/04				
Analysis Date		10/09/04				
Batch ID		PS190	PS190		PS190	
Prep Method		3050B				
Analyst		GSP				
Quantitation Factor		100.0				

SEVERN TRENT STL

STL Pensacola 3355 McLemore Drive - Pensacola FL 32514 Telephone:(850) 474-1001 Fax:(850) 478-2671

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10119-10	Reporting Limit (RL)	Solid	10/05/04		

Parameter	Units	Lab Sample IDs 10119-10
CO2 and Forms of Alkalinity (4500D)		
Bicarbonate (2320/4500)	mg/kg dw	N/A
Alkalinity (to pH 4.5) as CaCO3 (2320B)		
Alkalinity (to pH 4.5) as CaCO3	mg/kg dw	20
Specific Conductance (9050A)		
Specific Conductance	umhos/cm	1.0
Chloride (9251)		
Chloride	mg/kg dw	40
Sulfate as SO4 (375.4-EXT)		
Sulfate as SO4	mg/kg dw	100
Fluoride (340.2-EXT)		
Fluoride	mg/kg dw	4.0
Metals (6010B)		
Calcium	mg/l	0.50
Magnesium	mg/l	0.50
Potassium	mg/l	1.0
Sodium	mg/l	1.0

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 10/4/04 Page: 1 of 1

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

C410119

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Ca, Mg, K, Na	Cation/Anion Balance	Gen Chemistry: F, Cl, SO4, TDS	Alk/Bicarb/Carb, pH, EC	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270) -	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
Cell #1 Sample #1 @ 3' BGS / 410014-01	9/30/04	1030	NAG							X	X	X	X														
#2 #1 @ 2.5' BGS / 410014-02	↓	1101	↓							X	X	X	X														
#3 #1 @ 2.5' BGS / 410014-03		1128								X	X	X	X														
#4 #1 @ 2.5' BGS / 410014-04		1157								X	X	X	X														

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISED BY: 1.	RELINQUISED BY: 2.
PROJECT #:	410014	Total Number of Containers		PENSACOLA - STL-FL	X	Signature: Francine Tenorio Time: 1700	Signature: Time:
PROJ. NAME:	AES	Chain of Custody Seals		ESL - OR		Printed Name: Francine Tenorio Date: 10/4/04	Printed Name: Date:
QC LEVEL:	STD. IV	Received Intact?		ATEL - AZ		Pinnacle Laboratories, Inc.	Company
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold		ATEL - MARION		RECEIVED BY: 1.	RECEIVED BY: 2.
TAT:	STANDARD RUSH!!	LAB NUMBER:		ATEL - MELMORE		Signature: Raven Hedrick Time: 1000	Signature: Time:
DUE DATE:	10/15	COMMENTS:		EHL		Printed Name: Date: 10-5-04	Printed Name: Date:
RUSH SURCHARGE:	—			GEL		Company STL	Company
CLIENT DISCOUNT:	—			U OF MIAMI			
SPECIAL CERTIFICATION REQUIRED:	YES (NO)			WCAS			
				WOHL			

STL Pensacola
PROJECT SAMPLE INSPECTION FORM

SEVERN TRENT STL

Lab Order #: C410119 Date Received: 10-5-04

1.	Was there a Chain of Custody?	(Yes)	No*	8.	Were samples checked for preservative? *(Check pH of all H_2O requiring preservative (STL-PN SOP 917) except VOA vials that require zero headspace)*+	Yes	No* (N/A)
2.	Was Chain of Custody properly filled out and relinquished?	(Yes)	No*	9.	Is there sufficient volume for analysis requested?	(Yes)	No* N/A (Can)
3.	Were all samples properly labeled and identified?	(Yes)	No*	10.	Were samples received within Holding Time? (REFER TO STL-SOP 1040)	(Yes)	No*
4.	Were samples received cold? (Criteria: 0.1° - 6°C: STL-SOP 1055)	(Yes)	No* N/A	11.	Is Headspace (bubble) visible > ¼" diameter in VOA vial(s)?*	Yes*	No (N/A)
5.	Did samples require splitting or compositing+?	Yes*	(No)	12.	Were Trip Blanks Received?	Yes	No (N/A)
6.	Were samples received in proper containers for analysis requested?	(Yes)	No*	13.	If yes, was analysis of Trip Blanks requested?	Yes	No (N/A)
7.	Were all sample containers received intact?	(Yes)	No*	14.	Were MS/MSD-specific bottles provided?	Yes	No* (N/A)
				15.	If any issues, how was PM notified?	PSIF ☐	Verbal ☐

Airbill Number(s): 12 878 168 01 4442 7169 Delivery By: (UPS) FedEx HD BUS DHL PE

(HD – Hand Delivery)

Cooler Number(s) & Temp(s) °C: Client 4-6°C (IR-1)

(IE. #340L, 4°C, IR-1 – COOLER NUMBER, TEMPERATURE, THERMOMETER NUMBER)

Comments (reference item numbers above and list sample IDs/Tests where appropriate):

cancel TDS and Cation/Anion Balance per Francine @ PINNACLE

MPS 10/6/04

Inspected By: [illegible] Date: 10-5-04 Logged By: UK Date: 05 OCT 04

* Note all Out-of-Control and/or questionable events on Comment Section of this form. For holding times, the analytical department will flag immediate hold time samples (pH, Dissolved O2, Residual Cl) as out of hold time, therefore, these samples will not be documented on this PSIF.

\+ All volatile samples requested to be split or composited must be done in the Volatile Lab. Document: "Volatile sample values may be compromised due to sample splitting (compositing)."

\+ All pH results for North Carolina, and other requested projects are to be recorded on the pH log provided (STL-SOP 9381).

* According to EPA, a bubble of ¼" or less is acceptable in 40 ml vials requiring volatile analysis. According to Florida DEP, excess headspace in liquid TCLP volatile containers shall be documented.

ANY PERSON MAKING OR ADDING COMMENTS TO ANY PART OF THIS PSIF MUST INITIAL AND DATE ALL CORRECTIONS, COMMENTS AND/OR INSTRUCTIONS.

SEVERN TRENT STL

Organic Data Qualifiers for Final Report

B	The analyte was detected in the method blank and in the client's sample.
D	The result was obtained from a dilution.
E	The result exceeds the calibration range.
J	Estimated value because the analyte concentration is less than the reporting limit.
M	A matrix effect was present.
N	Presumptive evidence of a compound. The compound was identified qualitatively or as a Tentatively Identified Compound.
N/C	Not Calculable. Either the sample spiked was > 4X spike concentration, or the compound was diluted out, or the results of sample duplicate analysis were <RL.
P	Second-column or detector confirmation exceeded method criteria. Appropriate value is reported and data is flagged/qualified as instructed by method/regulation.
U or < or ND	The analyte was not detected.
*	The result is not within control limit(s).

Inorganic Data Qualifiers for Final Report

B	The analyte was detected in the method blank and in the client's sample.
E	The reported value is estimated because of the presence of interference.
J	Estimated value because the analyte concentration is less than the reporting limit.
N	The spiked sample recovery is not within control limits.
N/C	Not Calculable. Either the sample spiked was > 4X spike concentration, or the compound was diluted out, or the results of sample duplicate analysis were <RL.
U or < or ND	The analyte was not detected.
*	Duplicate analysis not within control limits
M	The duplicate injection precision was not met.
S	The reported value was determined by the Method of Standard Addition (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance and post spike recovery is greater than or equal to 40%, the sample is flagged with a "W" and no further action is required.
+	The Standard Additions Correlation Coefficient is <0.995.
L	The result is not within control limit(s).

It is permissible to submit an Out-of-Control Events/Corrective Action form and/or Case Narrative in lieu of using above qualifiers.

When the laboratory receives a sample that does not meet EPA requirements for sample collection, preservation or holding time, the laboratory is required to reject the samples. The client must be notified and asked whether the lab should proceed with analysis. Data from any samples that do not meet sample acceptance criteria (collection, preservation and holding time), must be flagged, or noted on a corrective action form or case narrative, or addressed on the Project Sample Inspection Form (PSIF) in an unambiguous manner clearly defining the nature and substance of the variation. NPDES samples from North Carolina that do not meet EPA requirements for sample collection, preservation or holding time are non-reportable for NPDES compliance monitoring.

Abbreviations

ND	Not Detected at or above the STL Pensacola reporting limit (RL)
NS	Not Submitted
NA	Not Applicable
MDL	STL Pensacola Method Detection Limit
RL	STL Pensacola Reporting Limit
NoMS	Not enough sample provided to prepare and/or analyze a method-required matrix spike (MS) and/or duplicate (MSD)
TIC	Tentatively Identified Compound

Florida Projects Inorganic/Organic

Refer to FL DEP 62-160; Table 4 Data Qualifier Codes. FL DEP Rule 62-160, Table 1 lists the Florida sites which require data qualifiers.

Arizona DEQ Projects

Any qualified data submitted to Arizona DEQ (ADEQ) after January 1, 2001 must be designated using the Arizona Data Qualifiers as developed by the Arizona ELAC technical subcommittee. Refer to the ADEQ qualifier list.

Severn Trent Laboratories Inc.
STL Pensacola • 3355 McLemore Dr • Pensacola, FL 32514
Tel 850 474 1001 Fax 850 484 5315 • *www.stl-inc.com*

Revised/Effective: 08-09-04

SEVERN TRENT STL

STL PENSACOLA
Certifications, Memberships & Affiliations

Alabama *Department of Environmental Management, Laboratory ID No. 40150 (Drinking Water by Reciprocity with FL)*

Arizona *Department of Health Services, Lab ID No. AZ0589 (Hazardous Waste & Wastewater)*

Arkansas *Department of Pollution Control and Ecology, (88-0689) (Environmental)*

California *Department of Health Services,* ***ELAP*** *Laboratory ID No. 2510 (Hazardous Waste and Wastewater)*

Connecticut *Department of Health Services, Connecticut Lab Approval No. PH-0697 (D W, H W and Wastewater)*

Florida *DOH,* ***NELAP*** *Laboratory ID No. E81010 (Drinking Water, Hazardous Waste and Wastewater)*

Florida *DEP/DOH CompQAP # 980156*

Illinois *Environmental Laboratory Accreditation Program (ELAP),* ***NELAP*** *Laboratory ID No. 200041 (Wastewater and Hazardous Waste)*

Iowa *Department of Natural Resources, Laboratory ID No. 367 (Wastewater, UST, Solid Waste, & Contaminated Sites)*

Kansas *Department of Health & Environment,* ***NELAP*** *Laboratory ID No. E10253 (Wastewater and Hazardous Waste)*

Kentucky *NR&EPC, Laboratory ID No. 90043 (Drinking Water)*

Kentucky *Petroleum Storage Tank Env Assurance Fund, Laboratory ID No. 0053 (UST)*

Louisiana *DEQ, LELAP,* ***NELAP*** *Laboratory ID No. 02075, Agency Interest ID 30748 (Environmental)*

Maryland *DH&MH Laboratory ID No. 233 (Drinking Water by Reciprocity with Florida)*

Massachusetts *DEP, Laboratory ID No. M-FL094 (Wastewater)*

Michigan *Bureau of E&OccH, Laboratory ID No.9912 (Drinking Water by Reciprocity with Florida)*

New Hampshire *DES ELAP,* ***NELAP*** *Laboratory ID No. 250502 (Drinking Water & Wastewater)*

New Jersey *DEP&E,* ***NELAP*** *Laboratory ID No. FL006 (Wastewater and Hazardous Waster)*

North Carolina *DENR, Laboratory ID No. 314 (Hazardous Waste and Wastewater)*

North Dakota *DH&Consol Labs, Laboratory ID No. R-108 Wastewater and Hazardous Waste by Reciprocity with Arizona)*

Oklahoma *Department of Environmental Quality, Laboratory ID No. 9810 (Hazardous Waste and Wastewater)*

Pennsylvania *Department of Environmental Resources,* ***NELAP*** *Laboratory ID No. 68-467 (Drinking Water & Wastewater)*

South Carolina *DH&EC, Laboratory ID No. 96026 (Wastewater & Solids/Hazardous Waste by Reciprocity with FL)*

Tennessee *Department of Health & Environment, Laboratory ID No. 02907 (Drinking Water)*

Virginia *Department of General Services, Laboratory ID No. 00008 (Drinking Water by Reciprocity with FL)*

West Virginia *DOE, Office of Water Resources, Laboratory ID No. 136 (Haz Waste and Wastewater)*

EPA ICR *(Information Collection Rule) Approved Laboratory, Laboratory ID No. ICRFL031*

NFESC *(Naval Facilities Engineering Services Center)*

USACE *(United States Army Corps. of Engineers), MRD*

STL Pensacola also has a foreign soil permit to accept soils from locations other than the continental United States. Permit No. S-37599

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 10-1-04 PAGE: 1 OF 1

PLI Accession #: 410014

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Ross Kennemer

COMPANY: Animas Environmental

ADDRESS: 624 E. Comanche
Farmington, NM 87401

PHONE: 564-2281

FAX: 324-2022

BILL TO: AES

COMPANY:

ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.
Cell #1 Sample #1 @ 3' BGS	9-30-04	1030	Soil	01
Cell #2 Sample #1 @ 2.5' BGS	9-30-04	1101	Soil	02
Cell #3 Sample #1 @ 2.8' BGS	9-30-04	1128	Soil	03
Cell #4 Sample #1 @ 2.5' BGS	9-30-04	1157	Soil	04

SAMPLE ID	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	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: Major Cations / Anions	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:	NUMBER OF CONTAINERS
Cell #1 Sample #1 @ 3' BGS	X				X														X			X			7
Cell #2 Sample #1 @ 2.5' BGS	X				X														X			X			7
Cell #3 Sample #1 @ 2.8' BGS	X				X														X			X			7
Cell #4 Sample #1 @ 2.5' BGS	X				X														X			X			7

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

PROJECT INFORMATION

PROJ. NO.: 040605

PROJ. NAME: BMG Landfarm Samples

P.O. NO.:

SHIPPED VIA: Bus

SAMPLE RECEIPT

NO CONTAINERS	28
CUSTODY SEALS	Y / N (NA)
RECEIVED INTACT	Yes
BLUE ICE/ICE	2.8°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐1 WEEK (NORMAL) X
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐NM ☐SDWA ☐AZ ☐OTHER

METHANOL PRESERVATION ☐ METALS ☐TOTAL ☐DISSOLVED

COMMENTS:

Samples Collected at:
Beron-Martin-Greer
Centralized Surface Waste
Management Facility.

RELINQUISHED BY: 1.

Signature: Ross Kennemer Time: 0709

Printed Name: Ross Kennemer Date: 10-1-04

Company:

See Reverse side (Force Majeure)

RECEIVED BY: 1.

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: (LAB) 2.

Signature: Francine Tanno Time: 1735

Printed Name: Francine Tanno Date: 10/1/04

Pinnacle Laboratories Inc.

AES
Animas Environmental Services, LLC
624 E. Comanche • Farmington, NM 87401
Tel 505-564-2281 • Fax 505-324-2022

January 7, 2005

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

RE: Results of December, 2004, Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On December 10, 2004, 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 four treatment cells. Samples were collected at 2 feet below surface grade from each treatment cell. 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 418.1 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 supplied by the analyzing laboratory.

Treatment Zone Monitoring Results

Based on AES's observations of the treatment cells at the time of sample collection, it is apparent that Treatment Cells #1, #2, and #3 are being tilled on a frequent basis. Soils within these cells were very loose, and no weeds or other vegetation, which would indicate infrequent tilling, were observed. No hydrocarbon stained soils were observed on the surface of any of the cells, and no hydrocarbon odors were noted during sample

collection. As observed during previous sampling events, Treatment Cell #4 appears to not be in use.

Laboratory analysis results for all samples collected were below the method detection limit. The sample collection point for each treatment cell, as well as the associated analytical results, are presented on Figure 1. Laboratory analytical reports have also attached.

The next monitoring and sampling event is scheduled to be completed during the week of March 21, 2005.

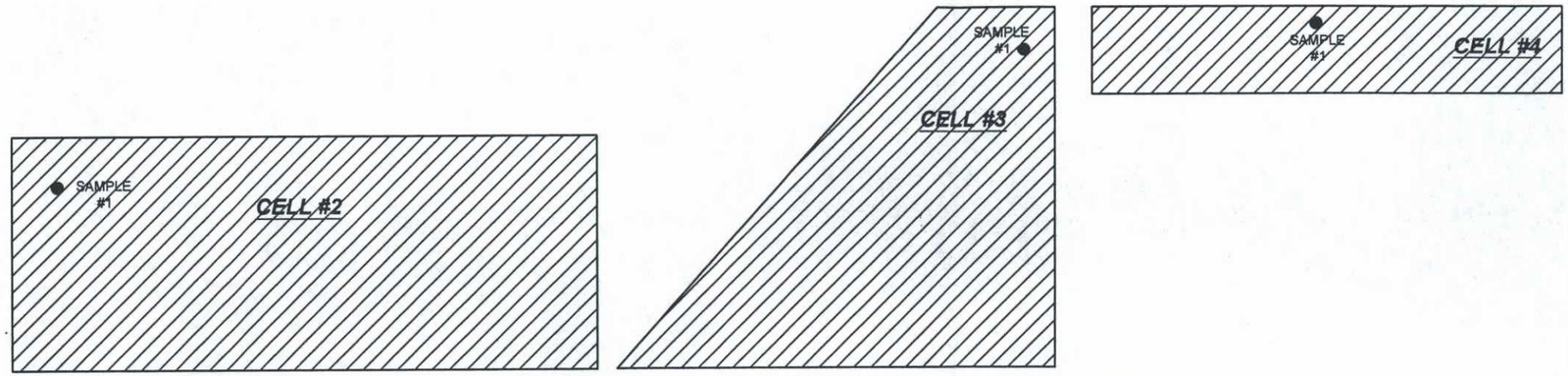
If you have any questions regarding the sampling procedures or results, please do not hesitate to contact me or Elizabeth McNally at (505) 564-2281.

Sincerely,

Ross Kennemer
Project Manager

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

Files/2004/BMG/Landfarm Sampling/gcbmg010705.doc



LANDFARM
WITH TREATMENT ZONE
MONITORING LOCATIONS
DECEMBER, 2004

BMG
CENTRALIZED SURFACE WASTE
MANAGEMENT FACILITY
NW1/4, NW1/4, SEC. 20, T25N, R1E,
RIO ARRIBA, CO., NM

Drn. By:	MRK	Date:	01/07/05
Rev. By:		Date:	

file:bmg/landfarm/sp.dwg

AES
Animas Environmental Services, LLC

LEGEND

● SAMPLE COLLECTION POINT

NOTE: BTEX ANALYZED PER EPA METHOD 8021 AND TPH ANALYZED PER EPA METHOD 418.1. ALL RESULTS REPORTED AS MG/KG OR PPM.

TABLE 1.
SUMMARY OF QUARTERLY
TREATMENT ZONE MONITORING
DECEMBER, 2004

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 (MG/KG)
CELL #1	#1	N 36° 23.387' W 106° 52.070'	12/10/2004	2	<0.025	<0.025	<0.025	<0.050	<20
CELL #2	#1	N 36° 23.429' W 106° 52.023'	12/10/2004	2	<0.025	<0.025	<0.025	<0.050	<20
CELL #3	#1	N 36° 23.373' W 106° 51.823'	12/10/2004	2	<0.025	<0.025	<0.025	<0.050	<20
CELL #4	#1	N 36° 23.363' W 106° 51.784'	12/10/2004	2	<0.025	<0.025	<0.025	<0.050	<20

SCALE
150 0 150
75
(1 INCH = 150 FEET)

N

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

Pinnacle Lab ID number **412217**
December 23, 2004

ANIMAS ENVIRONMENTAL SERVICES
624 EAST COMMANCHE
FARMINGTON, NM 87401

Project Name BMG LANDFARM SAMPLING
Project Number (NONE)

Attention: ROSS KENNEMER

On 12/13/2004 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.

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

MR: jt

Enclosure

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 412217
PROJECT #	: (NONE)	DATE RECEIVED	: 12/13/2004
PROJECT NAME	: BMG LANDFARM SAMPLING	REPORT DATE	: 12/23/2004

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
412217 - 01	CELL #1 @ 2'	NON-AQ	12/10/2004
412217 - 02	CELL #2 @ 2'	NON-AQ	12/10/2004
412217 - 03	CELL #3 @ 2'	NON-AQ	12/10/2004
412217 - 04	CELL #4 @ 2'	NON-AQ	12/10/2004

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GENERAL CHEMISTRY RESULTS
418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 412217
PROJECT #	: (NONE)	DATE RECEIVED	: 12/13/2004
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	CELL #1 @ 2'	NON-AQ	12/10/2004	12/19/2004	12/19/2004	1
02	CELL #2 @ 2'	NON-AQ	12/10/2004	12/19/2004	12/19/2004	1
03	CELL #3 @ 2'	NON-AQ	12/10/2004	12/19/2004	12/19/2004	1

PARAMETER	DET. LIMIT	UNITS	CELL #1 @ 2'	CELL #2 @ 2'	CELL #3 @ 2'
PETROLEUM HYDROCARBONS	20	MG/KG	< 20	< 20	< 20
DRY WEIGHT (%)			91	86	85

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GENERAL CHEMISTRY RESULTS
418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 412217
PROJECT #	: (NONE)	DATE RECEIVED	: 12/13/2004
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	CELL #4 @ 2'	NON-AQ	12/10/2004	12/19/2004	12/19/2004	1

PARAMETER	DET. LIMIT	UNITS	CELL #4 @ 2'
PETROLEUM HYDROCARBONS	20	MG/KG	< 20
DRY WEIGHT (%)			84

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GENERAL CHEMISTRY - REAGENT BLANK
418.1

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 412217
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM SAMPLING	UNITS	: MG/KG

PARAMETER	REAGENT BLANK I.D.	SAMPLE RESULT	DATE ANALYZED	ANALYST
PETROLEUM HYDROCARBONS	121904	<20	12/19/04	BP

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GENERAL CHEMISTRY - QUALITY CONTROL
LCS/LCSD

TEST	: 418.1		
LCS/LCSD #	: 121904	PINNACLE I.D.	: 412217
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE EXTRACTED	: 12/19/2004
PROJECT #	: (NONE)	DATE ANALYZED	: 12/19/2004
PROJECT NAME	: BMG LANDFARM SAMPLING	SAMPLE MATRIX	: NON-AQ
		UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
PETROLEUM HYDROCARBONS	<20	318	303	95	295	93	3	(75 - 125)	20

CHEMIST NOTES:
N/A

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

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

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GENERAL CHEMISTRY - QUALITY CONTROL
MS/MSD

TEST	: 418.1	PINNACLE I.D.	: 412217
MSMSD #	: 412217-01	DATE EXTRACTED	: 12/19/2004
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 12/19/2004
PROJECT #	: (NONE)	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
PETROLEUM HYDROCARBONS	<20	318	290	91	281	88	3	(75 - 125)	20

CHEMIST NOTES:
N/A

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

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

PINNACLE LABORATORIES

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Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B - METHANOL PRESERVATION
CLIENT : ANIMAS ENVIRONMENTAL SERVICES — PINNACLE I.D. : 412217
PROJECT # : (NONE) — ANALYST : BP
PROJECT NAME : BMG LANDFARM SAMPLING

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	CELL #1 @ 2'	NON-AQ	12/10/2004	NA	12/16/2004	1
02	CELL #2 @ 2'	NON-AQ	12/10/2004	NA	12/16/2004	1
03	CELL #3 @ 2'	NON-AQ	12/10/2004	NA	12/16/2004	1

PARAMETER	DET. LIMIT	UNITS	CELL #1 @ 2'	CELL #2 @ 2'	CELL #3 @ 2'
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	0.050	MG/KG	< 0.050	< 0.050	< 0.050
METHYL-t-BUTYL ETHER	0.13	MG/KG	< 0.13	< 0.13	< 0.13
SURROGATE:					
BROMOFLUOROBENZENE (%)			98	97	101
SURROGATE LIMITS	(80 - 120)				
DRY WEIGHT (%)			91	86	85

CHEMIST NOTES:
N/A

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Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

PINNACLE LABORATORIES

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B - METHANOL PRESERVATION
CLIENT : ANIMAS ENVIRONMENTAL SERVICES
PROJECT # : (NONE)
PROJECT NAME : BMG LANDFARM SAMPLING

PINNACLE I.D. : 412217
ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	CELL #4 @ 2'	NON-AQ	12/10/2004	NA	12/16/2004	1

PARAMETER	DET. LIMIT	UNITS	CELL #4 @ 2'
BENZENE	0.025	MG/KG	< 0.025
TOLUENE	0.025	MG/KG	< 0.025
ETHYLBENZENE	0.025	MG/KG	< 0.025
TOTAL XYLENES	0.050	MG/KG	< 0.050
METHYL-t-BUTYL ETHER	0.13	MG/KG	< 0.13
SURROGATE:			
BROMOFLUOROBENZENE (%)			99
SURROGATE LIMITS	(80 - 120)		
DRY WEIGHT (%)			84

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

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Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B	PINNACLE I.D.	: 412217
BLANK I. D.	: 121504B	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 12/16/2004
PROJECT #	: (NONE)	SAMPLE MATRIX	: FP
PROJECT NAME	: BMG LANDFARM SAMPLING	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.050
METHYL-t-BUTYL ETHER	MG/KG	<0.13

SURROGATE:
BROMOFLUOROBENZENE (%) 97
SURROGATE LIMITS:
CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

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Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 412217
BATCH #	: 121504B	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 12/16/2004
PROJECT #	: (NONE)	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	1.03	103	0.999	100	3	(80 - 120)	20
TOLUENE	<0.025	1.00	1.02	102	1.00	100	2	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.01	101	0.985	99	3	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.03	101	2.95	98	3	(80 - 120)	20
METHYL-t-BUTYL ETHER	<0.13	1.00	0.890	89	0.900	90	1	(70 - 133)	20

CHEMIST NOTES:
N/A

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

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

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 412217
MSMSD #	: 412217-04	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 12/16/2004
PROJECT #	: (NONE)	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	0.997	100	1.06	106	6	(80 - 120)	20
TOLUENE	<0.025	1.00	1.04	104	1.10	110	6	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.02	102	1.09	109	7	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.06	102	3.26	109	6	(80 - 120)	20
METHYL-t-BUTYL ETHER	<0.13	1.00	0.967	97	1.05	105	8	(70 - 133)	20

CHEMIST NOTES:
N/A

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

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

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 12-10-04 PAGE: 1 OF 1

PLI Accession #: 12817

SHADED AREAS ARE FOR LAB USE ONLY

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Ross Kennemer

COMPANY: Animas Environmental

ADDRESS: 624 E. Comanche
Farmington, NM 87401

PHONE: 564-2281

FAX: 324-2022

BILL TO: AES

COMPANY:

ADDRESS:

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
Cell #1 @ 21'	12-10-04	1015	Soil	01
Cell #2 @ 21'	12-10-04	1032	Soil	02
Cell #3 @ 21'	12-10-04	1050	Soil	03
Cell #4 @ 21'	12-10-04	1121	Soil	04

ANALYSIS REQUEST

Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/~~8015~~ (Gasoline) ~~MTBE~~	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	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 (Method1311)	Metals:	NUMBER OF CONTAINERS
X			X	X																				4
X			X	X																				4
X			X	X																				4
X			X	X																				4

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

PROJECT INFORMATION

PROJ. NO.:

PROJ. NAME: BMG Landfarm Sampling

P.O. NO.:

SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS: 16

CUSTODY SEALS: Y N (NA)

RECEIVED INTACT: Y

BLUE ICE / ICE: 4°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐ 1 WEEK (NORMAL) ☐
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

Site Name:
BMG Centralized Surface
Waste Management Facility

RELINQUISHED BY 1

Signature: Ross Kennemer Time: 0715

Printed Name: Ross Kennemer Date: 12-13-04

Company:

See Reverse side (Force Majeure)

RECEIVED BY 1

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY 2

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY (LAB) 2

Signature: Time: 1230

Printed Name: Date: 12/13/04

Pinnacle Laboratories Inc.

ATTACHMENT II

2004 Inspections of Evap. Pond Leak Detection System

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 04 **to December** 04

Date	Monitor Reading Taken by:	Level (Inches)	Change in fluid level from prior Month (Inches)
Jan- 5/04	Ben L Gonzales	1"	—
Feb- 11/04	Ben L Gonzales	1"	—
Mar- 17/04	Ben L Gonzales	1"	—
Apr- 2/04	Ben L Gonzales	1"	—
May- 5/04	Ben L Gonzales	1"	—
Jun- 9/04	Ben L Gonzales	1"	—
Jul- 6/04	Ben L Gonzales	1"	—
Aug- 23/04	Pearl Trujillo	2"	1"
Sep- 3/04	Ben L Gonzales	1"	-1 Pumped out Fluid
Oct- 1/04	Pearl Trujillo	1"	—
Nov- 4/04	Pearl Trujillo	1"	—
Dec- 3/04	Pearl Trujillo	1"	—

ATTACHMENT III

2004 Evap. Pond Water Analysis

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

January 12, 2004

Mr. Steve Owen
Benson Montin Greer Drilling Corp.
4900 College Blvd.
Farmington, NM 87401

Phone (505) 325-8874
Fax (505) 327-9207

Client No.: 99074-005
Job No.: 907405

Dear Mr. Owen,

Enclosed are the analytical results for the sample collected from the location designated as "Llaves". One water sample was collected by Benson Montin Greer personnel on 1/09/04, and received by the Envirotech laboratory on 01/12/04 for BTEX per USEPA 8021 analysis.

The sample was documented on Envirotech Chain of Custody No. 11730 and assigned Laboratory No. 27510 (COU Evaporation Pit) for tracking purposes.

The sample was analyzed on 01/12/04 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/benson.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	BMG	Project #:	99074-005
Sample ID:	COU Evaporation Pit	Date Reported:	01-12-04
Chain of Custody:	11730	Date Sampled:	01-09-04
Laboratory Number:	27510	Date Received:	01-12-04
Sample Matrix:	Water	Date Analyzed:	01-12-04
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	**27.0**	**1**	**0.2**
Toluene	**25.7**	**1**	**0.2**
Ethylbenzene	**6.5**	**1**	**0.2**
p,m-Xylene	**19.1**	**1**	**0.2**
o-Xylene	**8.2**	**1**	**0.1**
Total BTEX	**86.5**		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	**96 %**
	1,4-difluorobenzene	**96 %**
	4-bromochlorobenzene	**96 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **Llaves.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	01-12-BTEX QA/QC	Date Reported:	01-12-04
Laboratory Number:	27510	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-12-04
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	4.2776E-002	4.2862E-002	0.20%	ND	0.2
Toluene	4.8966E-002	4.8975E-002	0.02%	ND	0.2
Ethylbenzene	7.4036E-002	7.4185E-002	0.20%	ND	0.2
p,m-Xylene	6.8275E-002	6.8288E-002	0.02%	ND	0.2
o-Xylene	5.5866E-002	5.6034E-002	0.30%	ND	0.1

Duplicate Conc. (ug/L)	Sample	Duplicate	%Diff.	Accept Limit
Benzene	27.0	26.7	1.1%	0 - 30%
Toluene	25.7	25.6	0.4%	0 - 30%
Ethylbenzene	6.5	6.3	3.1%	0 - 30%
p,m-Xylene	19.1	18.7	2.1%	0 - 30%
o-Xylene	8.2	8.0	2.4%	0 - 30%

Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limits
Benzene	27.0	50.0	76	98.8%	39 - 150
Toluene	25.7	50.0	75.1	99.2%	46 - 148
Ethylbenzene	6.5	50.0	56.4	99.8%	32 - 160
p,m-Xylene	19.1	100	118	98.8%	46 - 148
o-Xylene	8.2	50.0	58.1	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for sample 27510.**

Analyst

Review

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11730

CHAIN OF CUSTODY RECORD

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BMG	? Lloves	
Sampler:	**Client No.**	
BG.	99074 - 005	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	BTEX 8021					Remarks
COU Evaporation P.t	1/9/04	-	27510	Water	1	✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
x Delmar Martin	x 1-12-04	x 9:45	Christie M Walters	1/12/04	9:45
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

Steve Owen

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Benson Montin Greer	Project #:	99074-005
Sample ID:	Llaves Evaporation Pond	Date Reported:	01-14-04
Laboratory Number:	27528	Date Sampled:	01-13-04
Chain of Custody No:	11736	Date Received:	01-14-04
Sample Matrix:	Water	Date Extracted:	01-14-04
Preservative:	Cool	Date Analyzed:	01-14-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Llaves.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	01-14-TPH QA/QC	Date Reported:	01-14-04
Laboratory Number:	27528	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-14-04
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	04-29-03	1.8591E-002	1.8572E-002	**0.10%**	**0 - 15%**
Diesel Range C10 - C28	04-29-03	1.5507E-002	1.5476E-002	**0.20%**	**0 - 15%**

Blank Conc. (mg/L)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

Duplicate Conc. (mg/L)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	**ND**	**ND**	**0.0%**	**0 - 30%**
Diesel Range C10 - C28	**ND**	**ND**	**0.0%**	**0 - 30%**

Spike Conc. (mg/L)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**ND**	**250**	**250**	**100.0%**	**75 - 125%**
Diesel Range C10 - C28	**ND**	**250**	**250**	**100.0%**	**75 - 125%**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **QA/QC for sample 27528.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

11736

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Benson montin Greer	Llaves	
Sampler: BG	Client No. 99074-005	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8015 TPH					Remarks
Llaves Evaporation Pond	11/13/04	Pm	27528	Water	7	✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1-14-04	7:23	[signature]	1-14-04	07:23
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

Envirotech, Inc.
5796 Hwy 64
Farmington, NM 87401

505-632-0615 Phone Number
505-632-1865 Fax Number

REC'D JAN 2 1 200

Invoice Number: 8622
January 15, 2004

Invoice

To: Benson Montin Greer
4900 College Blvd
Farmington, NM 87401

Job: 99074-005 Lab Analysis

Job Manager: Dennis Ajeman

Professional Services for the Period: 01/01/04 to 01/15/04

Billing Group: 001 Cost Plus

January 15, 2004
Invoice: 8622

Lab Services

Expense Code	Date	Bill Units		Unit Bill Rate	BillUnitCharge
USEPA 8021 BTEX	01/12/04	1.00	Ea	$80.00	$80.00
COC 11730-Llaves: COU Evaporation Pit					
USEPA 8015 TPH	01/15/04	1.00	Ea	$80.00	80.00
COC 11736-Llaves: Llaves Evaporation Pond					

Lab Services Totals: **$160.00**

Billing Group Subtotal:	$160.00
Billing Group Fees	0.00
New Mexico Gross Receipts Tax:	$9.50
Billing Group Total:	$169.50

Project Totals:

Project Subtotal:	$160.00
NM Gross Receipts Tax:	$9.50

Billing Total:	$169.50
Total Invoice Amount	**$169.50**

All invoices are due upon receipt. A late charge of 1.5% will be added to any unpaid balance after 30 days.

CHAIN OF CUSTODY RECORD

11730

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BMG	Llaves	
Sampler:	Client No.	
JG.		

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	BTEX + MTBE						Remarks
COC Evaporation Pit	1/9/04			Water	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Debra Watts	1/12/04	9:45	Mark M Walk	1/12/04	9:45
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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Farmington, New Mexico 87401
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Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

CHAIN OF CUSTODY RECORD

11736

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Benson Montin Greer	Llaves	
Sampler: B G	**Client No.**	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8015 TPH						Remarks
Llaves Unidentified	11-31-4	PM		Water	2	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1-14-4	7:23	[signature]	1-14-04	07:23
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		