NM2 - <u>4</u>

MONITORING REPORTS YEAR(S):

2006-2004

BENSON-MONTIN-GREER DRILLING CORP.

January 31, 2007

BMG

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

RECEIVED FEB 01 2007

Oil Conservation Division 1220 S. St. Franklis Trive Santa Fe, NM \$7505

Re: 2006 ANNUAL REPORT CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY, PERMIT No. NM-02-0004 Section 20, Township 25 North, Range 1 East, Rio Arriba County

Dear Mr. Jones:

Please find enclosed the referenced annual report for 2006. If you have any questions please contact me at 505-325-8874 or by email at <u>mikedimond@bmgdrilling.com</u>.

Sincerely,

V Almand

Mike Dimond President

Cc: NMOCD, Aztec; File

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



Animas Environmental Services, LLC

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

December 26, 2006

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

RE: Results of November 2006 Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On November 15, 2006, Animas Environmental Services, LLC (AES) completed the quarterly treatment zone monitoring and sampling of the Benson-Montin-Greer Drilling Corporation (BMG) Centralized Surface Waste Management Facility, located near the Canada Ojitos Unit (COU) Gas Plant in Rio Arriba County, New Mexico.

Sampling Procedures

As required by the New Mexico Oil Conservation Division (NMOCD) permit for this facility, one random soil sample was collected from each of the active treatment cells. Sample collection depth for the three treatment cells sampled was 2.5 feet below surface grade. A stainless steel hand auger, which was decontaminated between each sampling point to prevent cross-contamination, was used to collect the samples. Once collected, each sample container was labeled with the date, sample location, sample type and sampler's initials. A Chain of Custody was completed, and the containers were placed in a chilled, insulated cooler at 4°C until delivered to the analytical laboratory, Pinnacle Laboratories, Albuquerque, New Mexico.

Laboratory Analytical Methods

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

Treatment Zone Monitoring Results

Based on AES's observations of the treatment cells at the time of sample collection, treatment cells #1, #2, and #3 are in use and are being tilled on a frequent basis. Cell #4 is currently not in use. Analytical results showed BTEX concentrations below laboratory detection limits for cells #1, #2, and #3, with the exception of toluene in Cell #1 which had a concentration of 0.29 mg/kg. TPH concentrations ($C_{10} - C_{36}$) were reported at 228 mg/kg in cell #3, 75 mg/kg in cell #1, and 44 mg/kg in cell #2. Laboratory analytical results for all samples are presented on Figure 1. Laboratory analytical reports are also attached.



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The next monitoring and sampling event is tentatively scheduled to be completed during the week of February 12, 2007. If you have any questions regarding the sampling procedures or results, please do not hesitate to contact me or Elizabeth McNally at (505) 564-2281.

Sincerely, ler

Ross Kennemer Project Manager

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

Files/2006/BMG/Landfarm Sampling/gcbmg122606

FIGURES

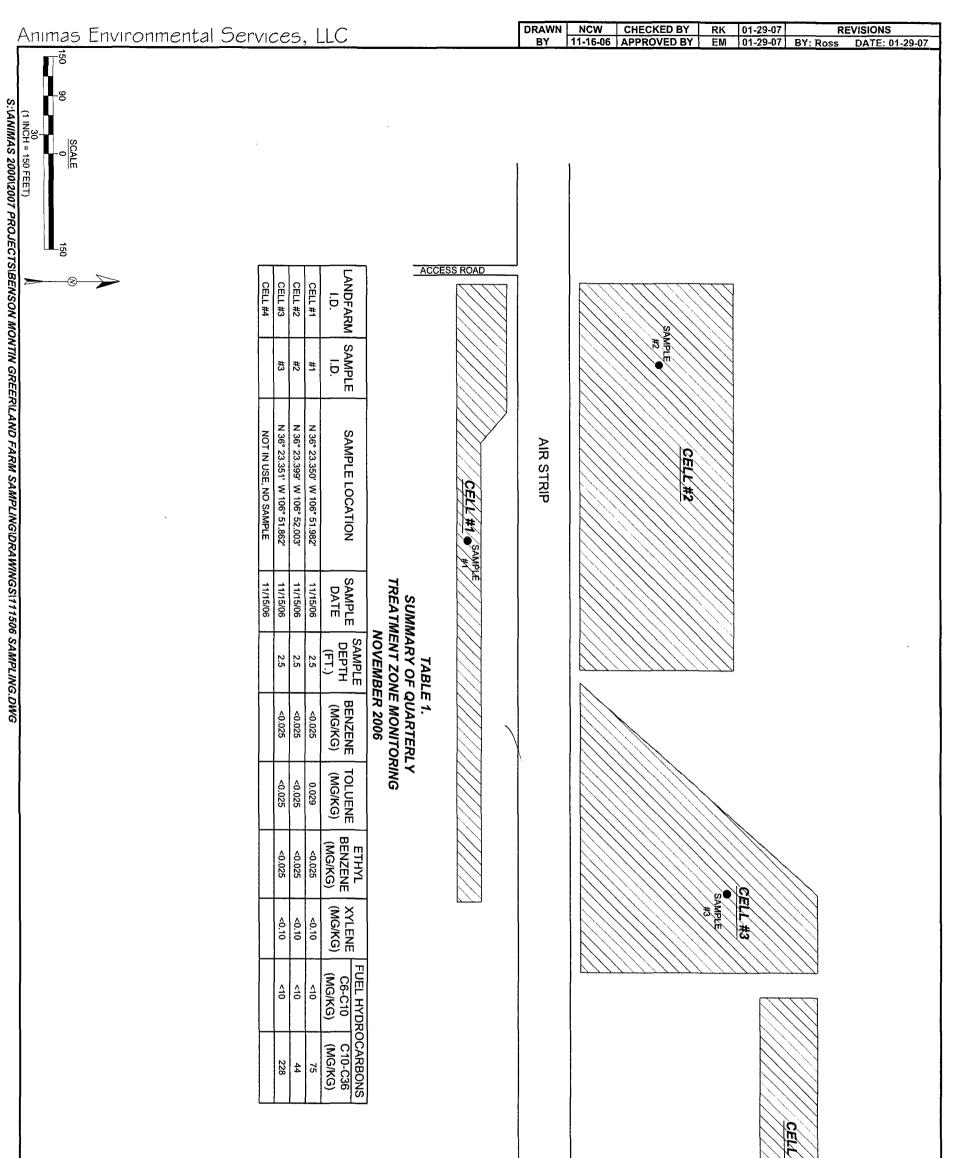


FIGURE 1 BENSON-MONTIN-GREER CENTRALIZED SURFACE WAS MANAGEMENT FACILITY MONITORING LOCATIONS NOVEMBER 2006 NW 1/4, NW 1/4, SEC. 20, T25N, R1E, RIO ARRIBA, CO., NM	;			
RE 1 ITIN-GREER IRFACE WASTE IT FACILITY LOCATIONS ER 2006 ER 2006 ER 2006 C. 20, T25N, R1E, C. 20, T25N, R1E, C. 20, MM		1		

APPENDIX A 1



Pinnacle Lab ID number 611223 December 11, 2006

ANIMAS ENVIRONMENTAL SERVICES 624 EAST COMMANCHE FARMINGTON. NM 87401

Project Name **BMG LANDFARM** Project Number (NONE)

Attention: ROSS KENNEMER

On 11/17/2006 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze non-aqueous 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



: ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG LANDFARM	PINNACLE ID DATE RECEIVED REPORT DATE	: 611223 : 11/17/2006 : 12/11/2006
CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
CELL #2 @ 2.5FT	NON-AQ	11/15/2006 11/15/2006 11/15/2006
	: (NONE) : BMG LANDFARM CLIENT DESCRIPTION CELL #1 @ 2.5FT	: (NONE) DATE RECEIVED : BMG LANDFARM REPORT DATE CLIENT DESCRIPTION MATRIX CELL #1 @ 2.5FT NON-AQ CELL #2 @ 2.5FT NON-AQ

Printed: 12/11/2006; 8:47 AM

File: 611223 ANIMAS.xls; COVEREP



GAS CHROMATOGRAPHY RESULTS

	TEST CLIENT PROJECT # PROJECT NAME	: EPA 8021B - MI : ANIMAS ENVIR : (NONE) : BMG LANDFAF	ONMENTAL		N	PINNACLE I.D. ANALYST	
ł	SAMPLE			DATE	DATE	DATE	DIL.
	ID.# CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR_
•	01 CELL #1 @ 2.5	5FT	NON-AQ	11/15/2006	NA	11/29/2006	1
,	02 CELL #2 @ 2.5	5FT	NON-AQ	11/15/2006	NA	11/29/2006	1
	03 CELL #3 @ 2.5	5FT	NON-AQ	11/15/2006	<u>NA</u>	11/29/2006	1
	PARAMETER	DET. LIMIT	U	NITS	CELL #1 @ 2.5FT	CELL #2 @ 2.5FT	CELL #3 @ 2.5FT
	BENZENE	0.025	M	G/KG	< 0.025	< 0.025	< 0.025
	TOLUENE	0.025	M	G/KG	0.029	< 0.025	< 0.025
	ETHYLBENZENE	0.025	M	G/KG	< 0.025	< 0.025	< 0.025
}	TOTAL XYLENES	0.10	M	G/KG	< 0.10	< 0.10	< 0.10
)	SURROGATE: BROMOFLUOROBENZENE SURROGATE LIMITS DRY WEIGHT (%)	E (%) (80 - 120)			100 83	104 91	106 89

CHEMIST NOTES: N/A

www.pinnaclelabs.org www.pinnaclelabsonline.com

2709-D Pan American Fwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 FAX 877.PIN.1998 TOLL FREE



GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

TEST BLANK I.D. CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 112906 : ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG LANDFARM	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX ANALYST	: 611223 : NA : 11/29/2006 : FP : BP
PARAMETER	UNITS		
BENZENE	MG/KG	<0.025	
TOLUENE	MG/KG	<0.025	
ETHYLBENZENE	MG/KG	< 0.025	
TOTAL XYLENES	MG/KG	<0.10	
SURROGATE			

SURROGATE: **BROMOFLUOROBENZENE (%)** (80-120) SURROGATE LIMITS

CHEMIST NOTES: N/A

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115



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH ID CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 112906 : ANIMAS ENV : (NONE) : BMG LANDFA		TAL SERVICE	S	PINNACLE DATE EXTR DATE ANAL SAMPLE M UNITS	RACTED YZED	•	611223 NA 11/29/2006 FP MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	<u>% REC</u>	RPD	LIMITS	LIMITS
BENZENE	<0.025	1.00	0.935	94	0.976	98	4	(80 - 120)	20
TOLUENE	<0.025	1.00	0.959	96	1.01	101	5	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	0.958	96	1.01	101	5	(80 - 120)	20
TOTAL XYLENES	<0.10	3.00	2.87	96	3.08	103	7	(80 - 120)	20

CHEMIST NOTES: N/A

> (Spike Sample Result - Sample Result) --X 100

% Recovery =

Spike Concentration

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

Average Result

-X 100



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST SAMPLE ID CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 611223-03 : ANIMAS EN : (NONE) : BMG LANDF		TAL SERVICE	S	PINNACLE DATE EXTF DATE ANAL SAMPLE M UNITS	RACTED YZED	:	611223 NA 11/29/2006 FP MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD LIMITS
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	<u>% REC</u>	RPD		
BENZENE	<0.025	1.00	0.978	98	1.04	104	6	(80 - 120)	20
TOLUENE	<0.025	1.00	0.991	99	1.06	106	7	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	0.993	99	1.06	106	7	(80 - 120)	20
TOTAL XYLENES	<0.10	3.00	2.99	100	3.19	106	6	(80 - 120)	20

CHEMIST NOTES: N/A

(Spike Sample Result - Sample Result)

% Recovery =

RPD (Relative Percent Difference) =

Spike Concentration

(Sample Result - Duplicate Result) -X 100

-X 100

Average Result



GAS CHROMATOGRAPHY RESULTS

TEST CLIENT PROJECT PROJECT	:#	EPA 8021B / 80 ANIMAS ENVIR NONE) BMG LA <u>ND</u> FAF	ONMENTAL	PINNACLE I.D. ANALYST	: 611223 : BP		
SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	CELL #1 @ 2.5FT		NON-AQ	11/15/2006	NA	11/29/2006	1
02	CELL #2 @ 2.5FT		NON-AQ	11/15/2006	NA	11/29/2006	1
03	CELL #3 @ 2.5FT		NON-AQ	11/15/2006	NA	11/29/2006	1
PARAME	TER	DET. LIMIT	U	NITS	CELL #1 @ 2.5FT	CELL #2 @ 2.5FT	CELL #3 @ 2.5FT
FUEL HY	DROCARBONS	10	M	G/KG	< 10	< 10	< 10
HYDROC	ARBON RANGE				C6-C10	C6-C10	C6-C10
HYDROC	ARBONS QUANTITAT	ED USING			GASOLINE	GASOLINE	GASOLINE
DRY WEI	GHT (%)				83	91	89

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 611223
BLANK I.D.	: 112806B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 11/28/2006
PROJECT #	: (NONE)	SAMPLE MATRIX	: FP
PROJECT NAME	: BMG LANDFARM	ANALYST	: BP
PARAMETER	UNITS	•	
FUEL HYDROCARBON	S MG/KG	<10	
HYDROCARBON RANG	Æ	C6-C1	0
HYDROCARBONS QUA	ANTITATED USING	GASOLI	NE

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

	TEST BATCH ID CLIENT PROJECT # PROJECT NAME	: 112806B : ANIMAS EN : (NONE)	ANIMAS ENVIRONMENTAL SERVICES (NONE) BMG LANDFARM				I.D. RACTED .YZED ATRIX	:	611223 N/A 11/28/2006 NON-AQ MG/KG	
		BLANK	CONC	SPIKED	%	UNITS DUP	DUP		REC	RPD
_	PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
	FUEL HYDROCARBONS HYDROCARBON RANGE HYDROCARBONS QUANT	<10 ITATED USING	50.0 C6-C10 GGASOLINE	44.9	90	42.1	84	6	(70 - 130)	20
	CHEMIST NOTES: N/A							·		
	(Spike Sa	mple Result - S	Sample Result	•						
		Spike Concentr								
_	RPD (Relative Percent Differ		ample Result	- Duplicate Res	sult)	- X 100				
			Average	e Result						



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST SAMPLE ID CLIENT PROJECT # PROJECT NAME	: EPA 8015B GRO : 611223-03 : ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG LANDFARM				PINNACLE I.D. : DATE EXTRACTED : DATE ANALYZED : SAMPLE MATRIX : UNITS :		:	611223 N/A 11/29/2006 NON-AQ MG/KG	
PARAMETER	SAMPLE	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS HYDROCARBON RANGE	<10	50.0 C6-C10	46.4	93	46.5	93	0	(70 - 130)	20

HYDROCARBONS QUANTITATED USINGGASOLINE

CHEMIST NOTES: N/A

% Recovery =

(Spike Sample Result - Sample Result)

--- X 100

Spike Concentration

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

Average Result

X 100



GAS CHROMATOGRAPHY RESULTS

TEST CLIENT PROJECT I PROJECT I		: EPA 8015 MO : ANIMAS ENVI : (NONE) : BMG LANDFA		,		PINNACLE I.D ANALYST		
SAMPLE				DATE	DATE	DATE	DIL.	
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR	
01	CELL #1 @ 2.5FT		NON-AQ	11/15/2006	11/28/2006	11/29/2006	1	
02	CELL #2 @ 2.5FT		NON-AQ	11/15/2006	11/28/2006	11/29/2006	1	
03	CELL #3 @ 2.5FT		NON-AQ	11/15/2006	11/28/2006	11/29/2006	1	
PARAMETE	ER	DET. LIMIT	U		CELL #1 @ 2.5FT	CELL #2 @ 2.5FT	CELL #3 @ 2.5FT	
FUEL HYD	ROCARBONS, C6-C10	10	M	G/KG	< 10	< 10	< 10	
FUEL HYDI	ROCARBONS, C10-C22	10	M	G/KG	25	25	150	
FUEL HYD	ROCARBONS, C22-C36	15	M	G/KG	50	19	78	R4
CALCULAT	TED SUM:				75	44	228	
SURROGA O-TERPHE SURROGA	NYL (%)	(70-130)			93	96	95	

CHEMIST NOTES:

R4 = Reporting Limit was raised due to background interference.



GAS CHROMATOGRAPHY RESULTS EXTRACTION BLANK

TEST BLANK I.D. CLIENT PROJECT # PROJECT NAME	: EPA 8015 MODIFIED (DI : 112806 : ANIMAS ENVIRONMENT : (NONE) : BMG LANDFARM	DAT TAL SERVICES DAT SAM	E EXTRACTED	: 611223 : 11/28/2006 : 11/29/2006 : NON-AQ : BP
PARAMETER FUEL HYDROCARBON FUEL HYDROCARBON FUEL HYDROCARBON	S, C10-C22	MG/KG MG/KG MG/KG	< 10 < 10 < 15	R4
SURROGATE: O-TERPHENYL (%)			101	

CHEMIST NOTES:

SURROGATE LIMITS

R4 = Reporting Limit was raised due to background interference.

(70-130)



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

	BATCH ID CLIENT PROJECT #	: 112806	NVIRONMEN	IRECT INJEC		PINNACLE I DATE EXTR DATE ANAL SAMPLE MA UNITS	ACTED YZED	:	611223 11/28/2006 11/29/2006 NON-AQ MG/KG	
		BLANK		SPIKED	% 850	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
	PARAMETER FUEL HYDROCARBONS HYDROCARBON RANGE HYDROCARBONS QUANTI	RESUL <10 TATED USIN	200 C10-C32	BLANK 206 UEL	<u>REC</u> 103	216	108	5	(75-125)	20
	CHEMIST NOTES: N/A									
	, (Spike San	nple Result -	Sample Resul	t)						
	% Recovery =S	pike Concen	tration	X 100						
_			Sample Result	- Duplicate Re	esult)	- X 100				
	RPD (Relative Percent Differe	nce) =	Averag	e Result	****	- 100				
_										



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST SAMPLE ID CLIENT PROJECT # PROJECT NAME	: 611216-02	VIRONMEN	NRECT INJECT	,	PINNACLE DATE EXTE DATE ANAI SAMPLE M UNITS	RACTED		611223 11/28/2006 11/29/2006 NON-AQ MG/KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS HYDROCARBON RANGE	<10	200 C10-C32	217	109	208	104	4	(70-130)	20

HYDROCARBONS QUANTITATED USING DIESEL FUEL

CHEMIST NOTES: N/A

% Recovery =

(Spike Sample Result - Sample Result)

Spike Concentration

(Sample Result - Duplicate Result)

-- X 100

RPD (Relative Percent Difference) =

Average Result

X 100

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Animas Environmental Services, LLC

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

OCT 2 4 2006

October 17, 2006

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

RE: Results of August 2006 Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On August 28, 2006, Animas Environmental Services, LLC (AES) completed the quarterly treatment zone monitoring and sampling of the Benson-Montin-Greer Drilling Corporation (BMG) Centralized Surface Waste Management Facility, located near the Canada Ojitos Unit (COU) Gas Plant in Rio Arriba County, New Mexico.

Sampling Procedures

As required by the New Mexico Oil Conservation Division (NMOCD) permit for this facility, one random soil sample was collected from each of the active treatment cells. Sample collection depth for the three treatment cells sampled was 2.5 feet below surface grade. A stainless steel hand auger, which was decontaminated between each sampling point to prevent cross-contamination, was used to collect the samples. Once collected, each sample container was labeled with the date, sample location, sample type and sampler's initials. The containers were placed in a chilled, insulated cooler at 4°C until delivered to the analytical laboratory, Pinnacle Laboratories, Albuquerque, New Mexico. A Chain of Custody was completed at the time the samples were delivered to the laboratory.

Laboratory Analytical Methods

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

Treatment Zone Monitoring Results

Based on AES's observations of the treatment cells at the time of sample collection, treatment cells #1, #2, and #3 are in use and are being tilled on a frequent basis. Cell #4 is currently not in use. Analytical results showed BTEX concentrations below laboratory detection limits for cells #1, #2, and #3. TPH concentrations ($C_{10} - C_{36}$) were reported at 750 mg/kg in cell #1, 21 mg/kg in cell #2, and below detection limit in cell #3.



Laboratory analytical results for all samples are presented on Figure 1. Laboratory analytical reports are also attached.

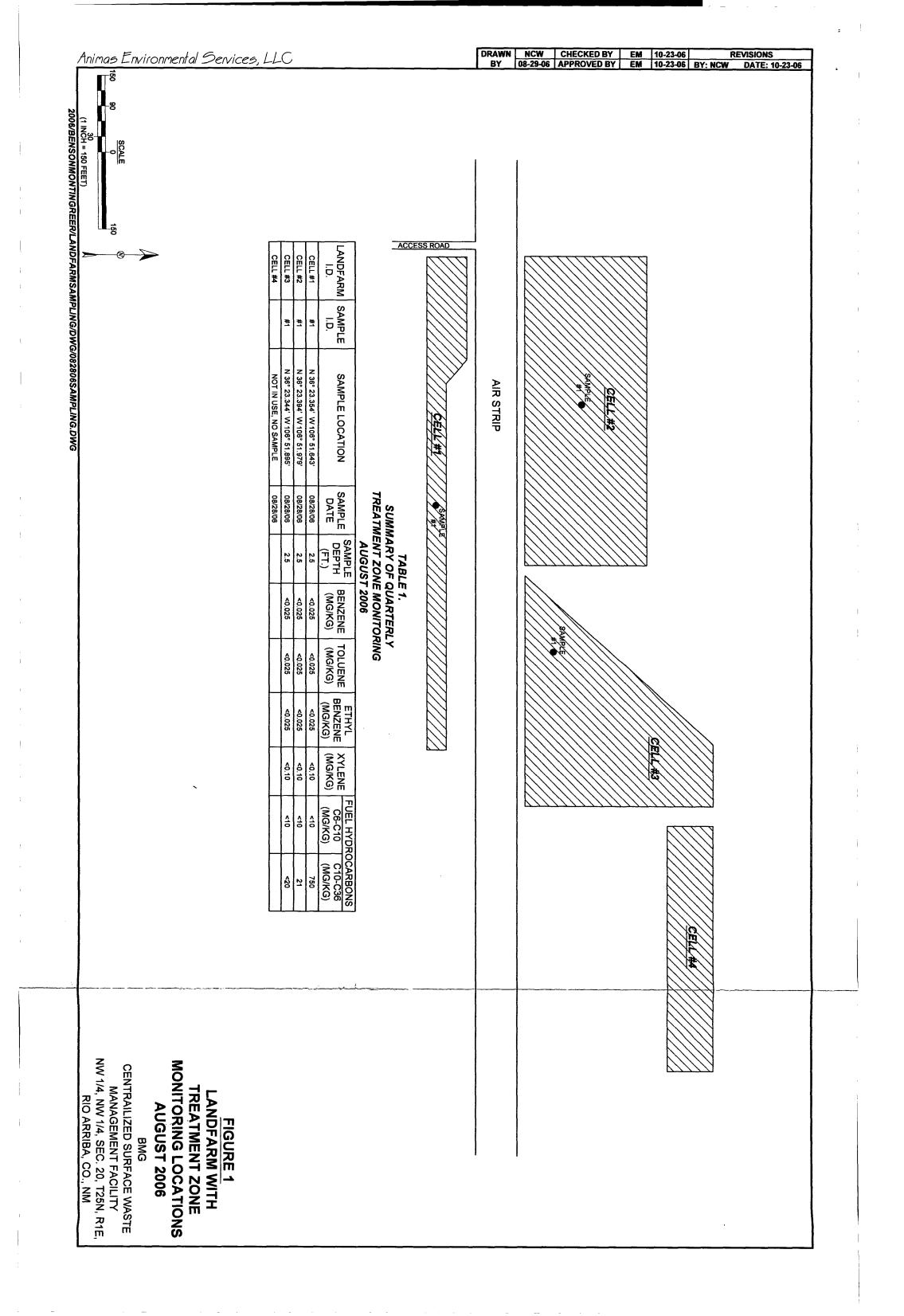
The next monitoring and sampling event is tentatively scheduled to be completed during the week of November 20, 2006. If you have any questions regarding the sampling procedures or results, please do not hesitate to contact me or Elizabeth McNally at (505) 564-2281.

Sincerely,

Elizabeth McNally, P.E.

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

Files/2006/BMG/Landfarm Sampling/gcbmg100406





Pinnacle Lab ID number September 27, 2006 608242

ANIMAS ENVIRONMENTAL SERVICES 624 EAST COMMANCHE FARMINGTON, NM 87401

Project Name BMG LANDFARM Project Number (NONE)

Attention: ROSS KENNEMER

On 08/30/2006 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **non-aqueous** 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 Fwy, NE



CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 608242
PROJECT #	: (NONE)	DATE RECEIVED	: 08/30/2006
PROJECT NAME	: BMG LANDFARM	REPORT DATE	: 09/27/2006
PINNACLE		•	DATE
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
608242 - 01	CELL #1 @ 2.5'	NON-AQ	08/28/2006
608242 - 02	CELL #2 @ 2.5'	NON-AQ	08/28/2006
608242 - 03	CELL #3 @ 2.5'	NON-AQ	08/28/2006



GAS CHROMATOGRAPHY RESULTS

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FOR
@ 2.5'
0
LINE
@ 0

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY RESULTS EXTRACTION BLANK

TEST BLANK I.D. CLIENT PROJECT # PROJECT NAME PARAMETER	: EPA 8021B / 8015B GRO : 090706 : ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG LANDFARM UNITS	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX ANALYST	: 608242 : 09/07/2006 : 09/09/2006 : NON-AQ : BP
FUEL HYDROCARBONS HYDROCARBON RANGE HYDROCARBONS QUANT	MG/KG	<10 C6-C10 GASOLINE	
BENZENE TOLUENE ETHYLBENZENE TOTAL XYLENES	MG/KG MG/KG MG/KG	<0.025 <0.025 <0.025 <0.10	
SURROGATE: BROMOFLUOROBENZENE SURROGATE LIMITS	E (%) (80 - 120)	109	

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH ID CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 090706 : ANIMAS ENV : (NONE) : BMG LANDF		TAL SERVICES	3	PINNACLE DATE EXTF DATE ANAL SAMPLE M UNITS	ACTED YZED	:	608242 09/07/2006 09/09/2006 NON-AQ MG/KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.11	111	1.09	109	2	(68 - 120)	20
TOLUENE	<0.025	1.00	1.13	113	1.10	110	3	(64 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.14	114	1.11	111	3	(49 - 127)	20
TOTAL XYLENES	<0.10	3.00	3.46	115	3.36	112	3	(58 - 120)	20

CHEMIST NOTES: N/A

% Recovery =

(Spike Sample Result - Sample Result) -----X 100

Spike Concentration

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

Average Result

2709-D Pan American Fwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 FAX 877.PIN.1998 TOLL FREE www.pinnaclelabs.org www.pinnaclelabsonline.com

– X 100



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH ID CLIENT PROJECT # PROJECT NAME	: EPA 8015B : 090706 : ANIMAS EN' : (NONE) : BMG LANDF	VIRONMEN	TAL SERVICES	5	PINNACLE DATE EXTE DATE ANAL SAMPLE M. UNITS	ACTED YZED	:	608242 09/07/2006 09/09/2006 NON-AQ MG/KG	
PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP	DUP % REC	RPD	REC	RPD LIMITS
FUEL HYDROCARBONS HYDROCARBON RANGE	<10	50.0 C6-C10	43.8	88	44.1	88	1	(70 - 130)	20

HYDROCARBONS QUANTITATED USINGGASOLINE

CHEMIST NOTES: N/A

% Recovery =

(Spike Sample Result - Sample Result)

---X 100

Spike Concentration

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

Average Result

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·X 100



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST SAMPLE ID CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 608242-02 : ANIMAS ENV : (NONE) : BMG LANDF		TAL SERVICES	 S	PINNACLE DATE EXTR DATE ANAL SAMPLE M/ UNITS	RACTED YZED	:	608242 09/07/2006 09/09/2006 NON-AQ MG/KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.12	112	1.15	115	3	(68 - 120)	20
TOLUENE	<0.025	1.00	1.14	114	1.16	116	2	(64 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.14	114	1.17	117	3	(49 - 127)	20
TOTAL XYLENES	<0.10	3.00	3.45	115	3.52	117	2	(58 - 120)	20

CHEMIST NOTES: N/A

% Recovery =

(Spike Sample Result - Sample Result)

Spike Concentration

(Sample Result - Duplicate Result)

-X 100

RPD (Relative Percent Difference) =

Average Result

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-- X 100



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST SAMPLE ID CLIENT	: EPA 8015B (: 608242-02 : ANIMAS EN)		TAI SERVICES	5	PINNACLE DATE EXTR DATE ANAL	ACTED	:	608242 09/07/2006 09/09/2006	
PROJECT # PROJECT NAME	: (NONE) : BMG LANDF				SAMPLE M. UNITS		:	NON-AQ MG/KG	
THOULOT HAML	SAMPLE	CONC	SPIKED	%	DUP	DUP	•	REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
FUEL HYDROCARBONS HYDROCARBON RANGE	<10	50.0 C6-C10	43.1	86	41.3	83	4	(70 - 130)	20

HYDROCARBONS QUANTITATED USINGGASOLINE

CHEMIST NOTES: N/A

(Spike Sample Result - Sample Result)

% Recovery =

Spike Concentration

(Sample Result - Duplicate Result)

-X 100

RPD (Relative Percent Difference) =

Average Result

·X 100



GAS CHROMATOGRAPHY RESULTS

TEST CLIENT PROJECT PROJECT		: EPA 8015 MC : ANIMAS ENV : (NONE) : BMG LANDFA	IRONMENTA	•		PINNACLE I.D. ANALYST		
SAMPLE				DATE	DATE	DATE	DIL.	
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR	
01	CELL #1 @ 2.5'		NON-AQ	08/28/2006	09/07/2006	09/08/2006	1	
02	CELL #2 @ 2.5'		NON-AQ	08/28/2006	09/07/2006	09/08/2006	1	
03	CELL #3 @ 2.5'		NON-AQ	08/28/2006	09/07/2006	09/08/2006	1	
PARAMETI	ER	DET. LIMIT	U	NITS	CELL #1 @ 2.5'	CELL #2 @ 2.5'	CELL #3 @ 2.5'	
FUEL HYD	ROCARBONS, C6-C10	10	MC	G/KG	< 10	< 10	< 10	
FUEL HYD	ROCARBONS, C10-C22	10	MO	S/KG	390	21	< 10	
FUEL HYD	ROCARBONS, C22-C36	20	MO	S/KG	360	< 20	< 20	R4
CALCULA	TED SUM:				750	21		
SURROGA O-TERPHE SURROGA	NYL (%)	(70-130)			89	102	99	

CHEMIST NOTES:

R4 = Reporting limit raised due to background interference.



GAS CHROMATOGRAPHY RESULTS EXTRACTION BLANK

TEST BLANK I.D. CLIENT	: EPA 8015 MODIFIED (DII : 090706 : ANIMAS ENVIRONMENT	DATI	E EXTRACTED	: 608242 : 09/07/2006 : 09/08/2006
PROJECT #	: (NONE)	SAM	PLE MATRIX	: NON-AQ
PROJECT NAME	: BMG LANDFARM	ANA	LYST	: BP
PARAMETER		UNITS		
FUEL HYDROCARBON	IS, C6-C10	MG/KG	< 10	
FUEL HYDROCARBON	IS, C10-C22	MG/KG	< 10	
FUEL HYDROCARBON	IS, C22-C36	MG/KG	< 20	R4
SURROGATE: O-TERPHENYL (%) SURROGATE LIMITS	(70-130)		90	1

CHEMIST NOTES:

R4 = Reporting limit raised due to background interference.



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH ID CLIENT PROJECT # PROJECT NAME	: EPA 8015 MODIFIED (DIRECT INJECT) : 090706 : ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG LANDFARM				PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX UNITS		:	608242 09/07/2006 09/08/2006 NON-AQ MG/KG	
	BLANK	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	BLANK	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
FUEL HYDROCARBONS <10									
N/A (Spike Sample Result - Sample Result) % Recovery = Concentration (Sample Result - Duplicate Result) (Sample Result - Duplicate Result)									

-X 100

RPD (Relative Percent Difference) =

Average Result



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST SAMPLE ID CLIENT PROJECT # PROJECT NAME	: 608242-02	VIRONMENT	IRECT INJECT		PINNACLE DATE EXTE DATE ANAL SAMPLE MA UNITS	RACTED	: : :	608242 09/07/2006 09/08/2006 NON-AQ MG/KG	
PARAMETER	SAMPLE RESULT	CONC	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS HYDROCARBON RANGE	21	200 C10-C32	222	101	225	102	1	(70-130)	20

HYDROCARBONS QUANTITATED USING DIESEL FUEL

CHEMIST NOTES: N/A

(Spike Sample Result - Sample Result)

% Recovery =

Spike Concentration

(Sample Result - Duplicate Result)

-X 100

RPD (Relative Percent Difference) =

Average Result

2709-D Pan American Fwy, NE

·X 100 .

W PLIAccession# 008242	8260 (TCL) Volatile Organics 8260 (Ful) Volatile Organics DPBMS 8260 (CUST) Volatile Organics 8260 (Landfill) Volatile Organics 8260 (Landfill) Volatile Organics Pesticides/PCB (608/8061/8082) Petricides (610/8310/8270-SIMS) Polynuclear kromatics (610/8310/8270-SIMS) Polynuclear kro								ime:	. 0.02/	Virtues Name: Date: Date: Date: Date: Date:	Company: AES Company:	RECEIVED BY: 1. RECEIVED BY: (LAB) 2.	Tipe Second Une A Time	me: Date: Printed Name: Date: 30/04	Pinnacle Laboratories Inc.
C. CHAIN OF CUSTO	504.1 EDB П/DBCP П 8021 (ETEX) EHATER EITAM TPC 8021 (ETEX) EHA	Bigh 1030 Soul 10 X XX 1 1	$\langle 1050 \langle 102 X X X X X X X X X $	VICOS V 03 N XX 1				IGE - PLEASE INQUIRE. VITON IS REQUIRED FOR RISH PROJECTS	hr = 172hr = 1 WEEK (NORMAL)		METHANOL PRESERVATION CI METALS CITOTAL CIDISSOLVED		LE STOUCES CURKE	I where whendered	+ BEL SCAX.	Dan American Freeway, NE + Abbuquetopue, New Mexico 87107 + (505) 344-3777 + Fax (505) 344-413 + E-mail: PIN LAB® ATT NET
PROJECT MANAGER: 20	THE SECTOR	CEL #/ E2S!	CELL #2 @	CEIL #3 225			WEEKEND ANALYSES MAY DESUG TIM		PROJ. NO.:	PROJ. NAME: ZUG CAUDERCUT		SHIPPED VIA: CLPS	NO CONTAINEDS	CUSTODY SEALS Y/N/NA	TACT	BLUE ICE/ICE 5.6 C Sultantial Stress Inc. • 2709-D Pan American Freeway, NE • Abuquer

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July, 2003 PLI Inc.: Pinnacle Laboratories. Inc. • 2709-D Pa	RECEIPT	MAY RESULT	HIL TO: COMPANY: ADDRESS: $CELL \neq I = 2.5' gr CELL \neq 2 = 2.5' gr CELL \neq 2 = 2.5' gr CELL \neq 3 = 2.5' gr CELL \neq 3 = 2.5' gr$	Pinnacle CT MANAGER: PANY: RESS: RESS: C.C.C.
2709-D Pan American Freeway. NE • Albuquerque. New Mexico 87107 • (505)	COMMENTS: PROJECT: BMG CENTRAL WASTE MANAG WASTE MANAG * NOWNE TO	SURCHARGE - SURCHARGE - UTHORIZATIO Intr E ON ALL ANALYSES ON RECUIRED	ATE IME MARK IVABILIO	Laboratories Inc. 2055 KENNEMER 25 4 E. COMPUTER 264-2281
1.344-3777 • Fav /505) 34	RUT M	Image: Solution of the soluti	Petroleum Hydrocarbo (MOD.8015) Diesel/Dir (MOD.8015) Diesel/Dir (M8015) Gas/Purge & 8021 (BTEX)/8015 (Ga 8021 (BTEX)/8015 (Ga 8021 (BTEX)/8015 (Ga 8021 (BTEX) 8021 (CUST)	rap
4-4419 • F-mail PIN I ARMATT NET	Company: AES see Reverse side (Force Majeure) RECEIVED(BY) Signature: Time: Printed Name: Date: Company:	RELINQUISHED BY	504.1 EDB □/DBCP □ 8260 (TCL) Volatile Org 8260 (Full) Volatile Org 8260 (CUST) Volatile Org 8260 (Landfill) Volatile Pesticides/PCB (608/8) Herbicides (615/8151) Base/Neutral/Acid Compound	ganics panics □PBMS Organics Organics 081/8082) s GC/MS (625/8270)
	Company: TRECEIVED/BY: (LAB) 2: Signature Finnedivane Propredivane	Signature: Time:	Polynuclear Aromatics (610/8 General Chemistry: Priority Pollutant Metals Priority Pollutant Metals RCRA Metals (8) RCRA Metals by TCLP Metals: NUMBER OF CONTAI	s (13) als (23) (Method1311)



Animas Environmental Services, LLC

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

August 16, 2006

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

RE: Results of June 2006 Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On June 7, 2006, Animas Environmental Services, LLC (AES) completed the quarterly treatment zone monitoring and sampling of the Benson-Montin-Greer Drilling Corporation (BMG) Centralized Surface Waste Management Facility, located near the Canada Ojitos Unit (COU) Gas Plant in Rio Arriba County, New Mexico.

Sampling Procedures

As required by the New Mexico Oil Conservation Division (NMOCD) permit for this facility, one random soil sample was collected from the active treatment cells. Sample collection depths for the three treatment cells sampled was 2.5 feet below surface grade. A stainless steel hand auger, which was decontaminated between each sampling point to prevent cross-contamination, was used to collect the samples. Once collected, each sample container was labeled with the date, sample location, sample type and sampler's initials. The containers were placed in a chilled, insulated cooler at 4°C until delivered to the analytical laboratory, Pinnacle Laboratories, Albuquerque, New Mexico. A Chain of Custody was completed at the time the samples were delivered to the laboratory.

Laboratory Analytical Methods

Each soil sample was analyzed for total petroleum hydrocarbons (TPH) per EPA Method 8015 and benzene, toluene, ethylbenzene and xylene (BTEX) per EPA Method 8021. Samples collected for BTEX analysis were field-preserved with methanol at the time of collection with materials and equipment supplied by the laboratory. Additionally, as required annually, one sample was also collected from each location for analysis of major cations and anions. These analyses included: 1) pH per EPA Method 150.1; 2) Forms of alkalinity and total alkalinity as CaCO₃ per EPA Method 310.1; 3) specific conductance per EPA Method 120.1; 4) chloride, sulfate as SO₄, and fluoride per EPA Method 300.0; and 5) metals per EPA Method 6010/6020.

Treatment Zone Monitoring Results

Based on AES's observations of the treatment cells at the time of sample collection, treatment cells #1, #2, and #3 are in use and are being tilled on a frequent basis. Cell



#4 is not in use. Laboratory analytical results for all samples are presented on Figure 1. Laboratory analytical reports are also attached.

The next monitoring and sampling event is scheduled to be completed during the week of August 21, 2006. 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.

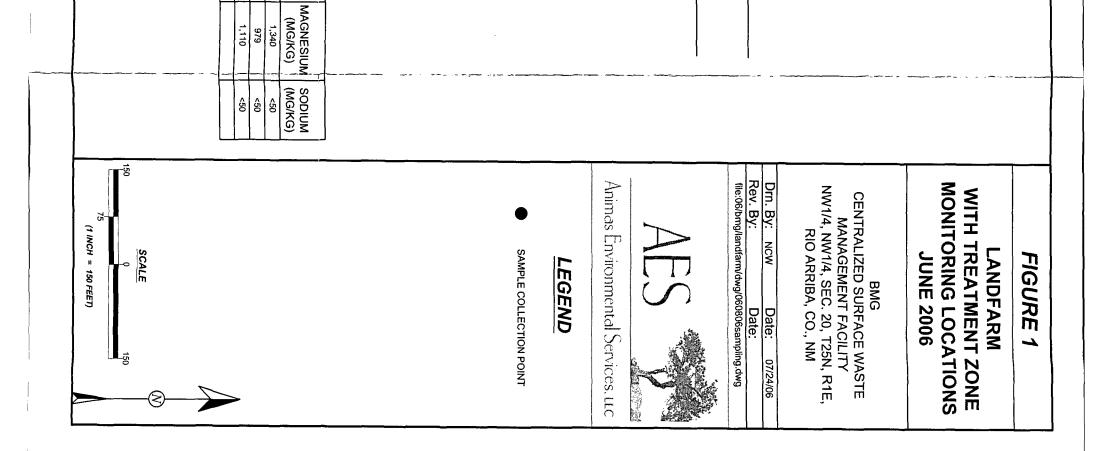
Sincerely, NACKENU

Ross Kennemer Project Manager

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

Files/2006/BMG/Landfarm Sampling/gcbmg081606

CELL #4	CELL #3	CELL #2	CELL #1	LANDFARM I.D.		CELL #4	CELL #3	CELL #2	LANDFARM I.D.	ACC	ESS ROAD		Sample
	#	Ŧ	#1	SAMPLE I.D.			#1	<u>*</u> <u>*</u>	SAMPLE I.D.				
NOT IN USE, NO SAMMPLE	N 36° 23.349' W 106° 51.776'	N 36° 23.397' W 106° 52.020'	N 36° 23.369' W 106° 52.035'	SAMPLE LOCATION	S TRL	NOT IN USE, NO SAMMPLE	N 36° 23.349' W 106° 51.776'	N 36° 23.397' W 106° 52.020'	SAMPLE LOCATION	TR	<u>CELV #1</u>	AIR STRIP	
	06/07/06	06/07/06	06/07/06	SAMPLE DATE	TABLE 1A. SUMMARY OF QUARTERLY TREATMENT ZONE MONITORING JUNE 2006		06/07/06	06/07/06	SAMPLE DATE	TABLE 1. SUMMARY OF QUARTERLY TREATMENT ZONE MONITORING JUNE 2006			
	2.5	2.5	2.5	SAMPLE DEPTH (FT.)	TABLE 1A. RY OF QUA IT ZONE MU JUNE 2006		2.5	2.5		TABLE 1. RY OF QUA T ZONE MC JUNE 2006			
	9.12	7.75	7.69	рН	IA. JARTER MONITO 06		<0.025	<0.025	BENZENE (MG/KG)	1. JARTER MONITO 106			
	902	606	473	BICARBONATE (MG/L)	RING		<0.025	0.053	TOLUENE (MG/KG)				
	<50	162	109	TE CARBONATE (MG/L)			<0.025	<0.025	ETHYL BENZENE (MG/KG)				SAMPER
							<0.10	<0.10	XYLENE (MG/KG)				
	903	610	477	ALKALINITY AS CaCO3 (MG/L)			<10	- <u>1</u>					
	54.2	64.1	42.8	SPECIFIC CONDUCTANCE (UMHOS/CM)			<10	<10	FUEL HYDROCARBONS C6-C10 C10-C36 (MG/KG) (MG/KG)				
	26.3	20.4		CHLORIDE (MG/L)					<u> </u>				
	23.5	9.31	13.2	SULFATE AS SO4 (MG/L)									
	2.92	NA	NA	FLORIDE (MG/L)								1	
	2,140	1,950	2.780	CALCIUM MAG (MG/KG) (N									





Pinnacle Lab ID number June 30, 2006

606075

ANIMAS ENVIRONMENTAL SERVICES 624 EAST COMMANCHE FARMINGTON. NM 87401

Project Name BMG COU LANDFARM Project Number (NONE)

ROSS KENNEMER Attention:

Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a On 06/09/06 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 8015 GRO/DRO and 8021 analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

All remaining analyses were performed by Flowers Chemical Laboratories, Inc. Altamonte Springs, 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



CLIENT PROJECT # PROJECT NAME	: ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG COU LANDFARM	PINNACLE ID DATE RECEIVED REPORT DATE	: 606075 : 06/09/06 : 06/30/06
PINNACLE			DATE
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
606075 - 01	CELL #3 @ 2.5'	NON-AQ	06/07/06
606075 - 02	CELL #2 @ 2.5'	NON-AQ	06/07/06
606075 - 03	CELL #1 @ 2.5'	NON-AQ	06/07/06

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Printed: 06/30/06; 4:20 PM

Confidential



GAS CHROMATOGRAPHY RESULTS

	TEST CLIENT PROJECT # PROJECT N	£	: EPA 8021B : ANIMAS ENVIR : (NONE) : BMG COU LANE		SERVICES	F	PINNACLE I.D. ANALYST	
	SAMPLE				DATE	DATE	DATE	DIL.
-	ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
-	01	CELL #3 @ 2.5'		NON-AQ	06/07/06	06/13/06	06/16/06	. 1
	02	CELL #2 @ 2.5'		NON-AQ	06/07/06	06/13/06	06/16/06	1
-	03	CELL #1 @ 2.5'		NON-AQ	06/07/06	06/13/06	06/16/06	· 1
	PARAMETE	R	DET. LIMIT	UN	ITS	CELL #3 @ 2.5'	CELL #2 @ 2.5	CELL #1 @ 2.5'
	BENZENE		0.025	MG	/KG	< 0.025	< 0.025	< 0.025
	TOLUENE		0.025	MG	/KG	< 0.025	0.053	< 0.025
	ETHYLBENZ	ZENE	0.025	MG	/KG	< 0.025	< 0.025	< 0.025
	TOTAL XYLI	ENES	0.10	MG	/KG	< 0.10	< 0.10	< 0.10
	SURROGAT BROMOFLU SURROGAT	JOROBENZENE	(%) (65 - 120)			106	109	111

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY RESULTS EXTRACTION BLANK

TEST BLANK I.D. CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 061306 : ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG COU LANDFARM	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX ANALYST	: 606075 : 06/13/06 : 06/16/06 : NON-AQ : BP
PARAMETER	UNITS		
BENZENE	MG/KG	< 0.025	
TOLUENE	MG/KG	<0.025	
ETHYLBENZENE	MG/KG	<0.025	
TOTAL XYLENES	MG/KG	<0.10	

SURROGATE: BROMOFLUOROBENZENE (%) SURROGATE LIMITS (80 - 120)

89

CHEMIST NOTES:

N/A



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH ID CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 061306 : ANIMAS EN : (NONE) : BMG COU L/			S	PINNACLE DATE EXTF DATE ANAI SAMPLE M UNITS	ACTED YZED	::	606075 06/13/06 06/16/06 NON-AQ M <u>G</u> /KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.19	119	1.08	108	10	(68 - 120)	20
TOLUENE	<0.025	1.00	1.18	118	1.07	107	10	(64 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.18	118	1.07	107	10	(49 - 127)	20
TOTAL XYLENES	<0.10	3.00	3.53	118	3.19	106	10	(58 - 120)	20

CHEMIST NOTES:

N/A

	(Spike Sample Result - Sample Result)
% Recovery =	

Spike Concentration

(Sample Result - Duplicate Result)

----- X 100

RPD (Relative Percent Difference) =

Average Result

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Albuquerque, NM 87107 505.344.3777 505.344.4413 FAX 877.PIN.1998 TOLL FREE www.pinnaclelabs.org www.pinnaclelabsonline.com

– X 100



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

	SAMPLE ID CLIENT PROJECT #	: EPA 8021B : 606075-02 : ANIMAS ENV : (NONE) : BMG COU LA		TAL SERVICE	S	PINNACLE I DATE EXTR DATE ANAL SAMPLE M/ UNITS	ACTED YZED	: :	606075 06/13/06 06/16/06 NON-AQ MG/KG	
-	PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
- 1	BENZENE	<0.025	1.00	1.03	103	1.04	104	1	(68 - 120)	20
	TOLUENE	0.053	1.00	1.02	97	1.04	99	2	(64 - 120)	20
	ETHYLBENZENE	<0.025	1.00	1.01	101	1.04	104	3	(49 - 127)	20
	TOTAL XYLENES	<0.10	3.00	3.04	101	3.09	103	2	(58 - 120)	20

CHEMIST NOTES:

N/A

(Spike	Sample	Result -	Sample	Result)
--------	--------	----------	--------	---------

% Recovery =

Spike Concentration

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

Average Result

----- X 100

----- X 100



GAS CHROMATOGRAPHY RESULTS

TEST CLIENT PROJECT PROJECT	#	: EPA 8015B GR(: ANIMAS ENVIR : (NONE) : BMG COU LAN	ONMENTAL	SERVICES	F	PINNACLE I.D. ANALYST	
SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	CELL #3 @ 2.5'	•	NON-AQ	06/07/06	06/13/06	06/19/06	1
02	CELL #2 @ 2.5'		NON-AQ	06/07/06	06/13/06	06/19/06	1
03	CELL #1 @ 2.5'	<u></u>	NON-AQ	06/07/06	06/13/06	06/19/06	1
PARAMET	ER	DET. LIMIT	UN	IITS	CELL #3 @ 2.5'	CELL #2 @ 2.5'	CELL #1 @ 2.5'
FUEL HYD	ROCARBONS	10	MO	6/KG	< 10	< 10	< 10
_ HYDROCA	RBON RANGE				C6-C10	C6-C10	C6-C10
HYDROCA	RBONS QUANTI	TATED USING			GASOLINE	GASOLINE	GASOLINE

CHEMIST NOTES:

N/A



GAS CHROMATOGRAPHY RESULTS EXTRACTION BLANK

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 606075
BLANK I.D.	: 061306	DATE EXTRACTED	: 06/13/06
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 06/19/06
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: BMG COU LANDFARM	ANALYST	: BP
PARAMETER	UNITS		
FUEL HYDROCARBONS	MG/KG	<10	
HYDROCARBON RANGE		C6-C10	
HYDROCARBONS QUANTI	TATED USING	GASOLIN	E
-			

CHEMIST NOTES:

N/A



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST :	EPA 8015B	GRO			PINNACL	.E I.D. :		606075	
BATCH ID :	061306				DATE EX	TRACTED		06/13/06	
CLIENT :	ANIMAS EN	VIRONMENT	AL SERVICES		DATE AN	IALYZED :		06/19/06	
PROJECT # :	(NONE)				SAMPLE	MATRIX		NON-AQ	
PROJECT NAME :	BMG COU L	ANDFARM			UNITS			MG/KG	
_	BLANK	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
FUEL HYDROCARBONS	<10	50.0	49.8	100	47.4	95	5	(70 - 130)	20
HYDROCARBON RANGE		C6-C10						(,	
HYDROCARBONS QUANTIT	ATED USING	GASOLINE							
CHEMIST NOTES:									
N/A									
I									
	ple Result - S					·			
% Recovery =		- 4 ¹	X 100						
Sp	ike Concentra	ation							
	(5-	male Decult	Duplicate Real	.14\					
DDD (D-lative Demonst Differe		mple Result	- Duplicate Resu	•	X 100				
RPD (Relative Percent Differe		Average	e Result		100				
		Average	5 Nosult						
-									
-									
1									
					•				
•		λ.							
1									
2709-D Pan Americar	n Fwy, NE	Albuquerqu	ie, NM 87107	505.3	44.3777 5	505.344.4413 FA	x 877	PIN.1998 TOL	L FREE



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

SAMPLE ID CLIENT PROJECT #	: EPA 8015B G : 606075-02 : ANIMAS ENV : (NONE) : BMG_COU LA	IRONMEN	TAL SERVICES	3	PINNACLE I DATE EXTR DATE ANAL SAMPLE MA UNITS	ACTED YZED	: : : :	606075 06/13/06 06/19/06 NON-AQ MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
FUEL HYDROCARBONS HYDROCARBON RANGE HYDROCARBONS QUANTI	<10 TATED USING	50.0 C6-C10 GASOLINE	42.0	84	44.4	89	6	(70 - 130)	20
CHEMIST NOTES: N/A									
% Recovery =	nple Result - Sa		t) X 100						,
	pike Concentral		- X 100						
	(San		- Duplicate Res	sult)					
RPD (Relative Percent Differ	rence) =	Averag	e Result		X 100				



GAS CHROMATOGRAPHY RESULTS

TEST CLIENT PROJECT #		: EPA 8015 MO : ANIMAS ENVI : (NONE) : BMG COU LA	RONMENTA			PINNACLE I.D. ANALYST	
SAMPLE				DATE	DATE	DATE	DIL.
D. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	CELL #3 @ 2.5'		NON-AQ	06/07/06	06/14/06	06/14/06	1
02	CELL #2 @ 2.5'		NON-AQ	06/07/06	06/14/06	06/14/06	່ 1
03	CELL #1 @ 2.5'		NON-AQ	06/07/06	06/14/06	06/15/06	. 1
	R	DET. LIMIT	UN	ITS	CELL #3 @ 2.5'	CELL #2 @ 2.5'	CELL #1 @ 2.5'
FUEL HYDF	ROCARBONS, C6-C10	10	MG	/KG	< 10	< 10	< 10
FUEL HYDF	ROCARBONS, C10-C22	10	MG	/KG	< 10	< 10	< 10
_FUEL HYDF	ROCARBONS, C22-C36	10	MG	/KG	< 10	< 10	< 10
CALCULAT	ED SUM:				< 10	< 10	< 10
SURROGAT	NYL (%)	(70-130)			86	88	74

CHEMIST NOTES:

N/A



GAS CHROMATOGRAPHY RESULTS EXTRACTION BLANK

TEST BLANK I.D. CLIENT PROJECT # PROJECT NAME	: EPA 8015 MODIFIED (DIREC : 061406 : ANIMAS ENVIRONMENTAL S : (NONE) : BMG COU LANDFARM	DA SERVICES DA SA AN	TE EXTRACTED	: 606075 D : 06/14/06 : 06/14/06 : NON-AQ : AE
PARAMETER FUEL HYDROCARBONS, C	26-C10	UNITS MG/KG	< 10	
FUEL HYDROCARBONS, C		MG/KG	< 10 < 10	
FUEL HYDROCARBONS, C		MG/KG	< 10	,
SURROGATE: O-TERPHENYL (%) SURROGATE LIMITS	(70-130)		83	
CHEMIST NOTES: N/A				



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH ID CLIENT PROJECT # PROJECT NAME PARAMETER FUEL HYDROCARBONS HYDROCARBON RANGE	: EPA 8015 M : 061606 : ANIMAS EN' : (NONE) : BMG COU L BLANK RESULT <10	VIRONMEN'			PINNACLE DATE EXTR DATE ANAL SAMPLE M. UNITS DUP SPIKE 202	ACTED YZED	: :	606075 06/14/06 06/14/06 NON-AQ MG/KG REC LIMITS (75-125)	RPD LIMITS 20
HYDROCARBONS QUANT CHEMIST NOTES: N/A	ITATED USING	DIESEL FU	JEL						
% Recovery =		ntion	- X 100 Duplicate Re	•	X 100				
		Average	Result						



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

SAMPLE ID: 606075-02DATE EXTRACTED: 06/14/06CLIENT: ANIMAS ENVIRONMENTAL SERVICESDATE ANALYZED: 06/14/2006-06/15/2006PROJECT #: (NONE)SAMPLE MATRIX: NON-AQPROJECT NAME: BMG COU LANDFARMUNITS: MG/KGPROJECT NAME: CONCSPIKED%DUPDUPPARAMETERRESULTSPIKESAMPLERECSPIKEFUEL HYDROCARBONS<10200156781758811(70-130)20HYDROCARBON RANGEC10-C32HYDROCARBONS QUANTITATED USING DIESEL FUELCHEMIST NOTES:CHEMIST NOTES:									
CLIENT : ANIMAS ENVIRONMENTAL SERVICES DATE ANALYZED : 06/14/2006-06/15/2006 PROJECT # : (NONE) SAMPLE MATRIX : NON-AQ PROJECT NAME : BMG COU LANDFARM UNITS : MG/KG SAMPLE CONC SPIKED % DUP DUP REC RPD PARAMETER RESULT SPIKE SAMPLE REC SPIKE % REC RPD LIMITS LIMITS TUEL HYDROCARBONS <10 200 156 78 175 88 11 (70-130) 20 HYDROCARBON RANGE C10-C32 HYDROCARBONS QUANTITATED USING DIESEL FUEL CHEMIST NOTES: W/A % Recovery = (Spike Sample Result - Sample Result) % Recovery = (Spike Sample Result - Sample Result) (Sample Result - Duplicate Result) RPD (Relative Percent Difference) =X 100	TEST		IODIFIED (D	DIRECT INJEC	T)		:	606075	
PROJECT # : (NONE) SAMPLE MON-AQ PROJECT NAME : BMG COU LANDFARM UNITS MG/KG PROJECT NAME : BMG COU LANDFARM UNITS MG/KG PROJECT NAME : SAMPLE CONC SPIKED % DUP DUP REC RPD PARAMETER RESULT SPIKE SAMPLE REC SPIKE % REC RPD LIMITS LIMIT							:		
PROJECT NAME BMG COU LANDFARM UNITS MG/KG SAMPLE CONC SPIKED % DUP DUP REC RPD PARAMETER RESULT SPIKE SAMPLE REC SPIKE % REC RPD LIMITS KI RPD Recovery = Gradies KI LIMITS KI LIMITS			VIRONNEN	TAL SERVICE					/15/2006
SAMPLE CONC SPIKED % DUP DUP REC RPD PARAMETER RESULT SPIKE SAMPLE REC SPIKE % REC RPD LIMITS <									
PARAMETER RESULT SPIKE SAMPLE REC SPIKE % REC RPD LIMITS LIMITS LIMITS FUEL HYDROCARBONS <10	PROJECT NAME			SPIKED				and the second	
FUEL HYDROCARBONS <10	PARAMETER						RPD		
HYDROCARBON RANGE C10-C32 HYDROCARBONS QUANTITATED USING DIESEL FUEL CHEMIST NOTES: V/A % Recovery = (Spike Sample Result - Sample Result) % Recovery = (Spike Concentration (Sample Result - Duplicate Result) (Sample Result - Duplicate Result) (Sample Result - Duplicate Result)									
HYDROCARBONS QUANTITATED USING DIESEL FUEL CHEMIST NOTES: WA % Recovery = (Spike Sample Result - Sample Result) % Recovery =							 •••	(10,100)	2.0
CHEMIST NOTES: V/A % Recovery = (Spike Sample Result - Sample Result) % Recovery =				JEL					
N/A % Recovery = (Spike Sample Result - Sample Result) % Recovery = X 100 Spike Concentration (Sample Result - Duplicate Result) RPD (Relative Percent Difference) =									
N/A % Recovery = (Spike Sample Result - Sample Result) % Recovery = X 100 Spike Concentration (Sample Result - Duplicate Result) RPD (Relative Percent Difference) =									
N/A % Recovery = (Spike Sample Result - Sample Result) % Recovery = X 100 Spike Concentration (Sample Result - Duplicate Result) RPD (Relative Percent Difference) =	CHEMIST NOTES:								
(Spike Sample Result - Sample Result) % Recovery =X 100 Spike Concentration (Sample Result - Duplicate Result) RPD (Relative Percent Difference) =X 100	N/A								
% Recovery =X 100 Spike Concentration (Sample Result - Duplicate Result) RPD (Relative Percent Difference) =									
% Recovery =X 100 Spike Concentration (Sample Result - Duplicate Result) RPD (Relative Percent Difference) =									
% Recovery =X 100 Spike Concentration (Sample Result - Duplicate Result) RPD (Relative Percent Difference) =									
% Recovery =X 100 Spike Concentration (Sample Result - Duplicate Result) RPD (Relative Percent Difference) =	(Spike Sa	ample Result - S	ample Resu	lt)					
Spike Concentration (Sample Result - Duplicate Result) RPD (Relative Percent Difference) =									
(Sample Result - Duplicate Result) RPD (Relative Percent Difference) =		Spike Concentra	ation						
RPD (Relative Percent Difference) =		·							
		(Sar	nple Result	- Duplicate Re	esult)				
Average Result	RPD (Relative Percent Di	fference) =				X 100			
			Averag	e Result					
)								
)								



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Pinnacle Laboratories 2709 D Pan American Freeway NE Albuquerque,NM 87107 PO #: 606075 Client Project #: AES Date Sampled: Jun 7, 2006 Jun 23, 2006; Invoice: 17741

Report Summary

Date Received: Jun 13, 2006

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
17741SO1	Cell#3@2.5'/606075-01	EPA120.1	LCC	Main Lab	Soil
		EPA150.1	LCC	Main Lab	
		EPA160.1	RMV	Main Lab	
		EPA300.0	YGS	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7471	EVB	Main Lab	
17741SO2	Cell#2@2.5'/606075-02	EPA120.1	LCC	Main Lab	Soil
		EPA150.1	LCC	Main Lab	
		EPA160.1	RMV	Main Lab	
		EPA300.0	YGS	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7471	EVB	Main Lab	
17741SO3	Cell#1@2.5'/606075-03	EPA120.1	LCC	Main Lab	Soil
		EPA150.1	LCC	Main Lab	
		EPA160.1	RMV	Main Lab	
		EPA300.0	YGS	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7471	EVB	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D. President/Technical Director

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FLOWERS CHEMICAL LABORATORIES INC.

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Pinnacle Laboratories 2709 D Pan American Freeway NE Albuquerque,NM 87107

PO #: 606075 Client Project #: AES Date Sampled: Jun 7, 2006 Jun 23, 2006; Invoice: 17741

Analysis Report

Lab #: 17741SO1 Sampled: 06/07/06 01:10 PMDesc:	01:10 PMDes	c: Cell#3@2.8	./606075-01					
Parameter	Result	Units	DF MDL	POL	QC Batch Method	CAS #	Analyzed	
Mercury	0.0381	mg/Kg	1.00 0.0100	0.0200	4	7439-97-6	06/15/06	
Calcium	2140	mg/Kg	1.00 10.0	20.0	10063866 EPA6010	7440-70-2	06/14/06	
Magnesium	1110	mg/Kg	1.00 1.00	2.00	10063866 EPA6010	7439-95-4	06/14/06	
Potassium	816	mg/Kg	1.00 10.0	20.0	10063866 EPA6010	7440-09-7	06/14/06	
Sodium	50.0 U	mg/Kg	1.00 50.0	100	10063866 EPA6010	7440-23-5	06/14/06	
Arsenic	1.58	mg/Kg	1.00 0.100	0.100	10063891 EPA6020	7440-38-2	06/14/06	
Barium	74.9	mg/Kg	1.00 0.200	0.400	10063891 EPA6020	7440-39-3	06/14/06	
Cadmium	0.100 U	mg/Kg	1.00 0.100	0.100	10063891 EPA6020	7440-43-9	06/14/06	
Chromium	4.82	mg/Kg	1.00 0.100	0.100	10063891 EPA6020	7440-47-3	06/14/06	
Lead	4.67	mg/Kg	1.00 0.100	0.200	10063891 EPA6020	7439-92-1	06/14/06	
Selenium	0.200 U	mg/Kg	1.00 0.200	0.400	10063891 EPA6020	7782-49-2	06/14/06	
Silver	0.0500 U	mg/Kg	1.00 0.0500	0.100	10063891 EPA6020	7440-22-4	06/14/06	
Specific_Conductance	54.2	umhos/cm	1.00		10064089 EPA120.1	10-34-4	06/16/06	
TDS	5460	mg/L	1.00		10064108 EPA160.1	10-33-3	06/15/06	
Chloride	26.3	mg/L	9.92		10064445 EPA300.0	16887-00-6	06/21/06	
Lab pH (units)	9.12	Нq	1.00 0.0100	0.0100	10064448 EPA150.1	39-38-4		10:00 AM
Sulfate	23.5	mg/L	9.92		10064450 EPA300.0	14808-79-8		
Fluoride	2.92	mg/L	9.92 1.98	3.97	10064454 EPA300.0	16984-48-8	06/21/06	
Bicarbonate Alkalinity	902	mg/L	50.0 50.0	100	10064490 EPA310.1	E1640226	06/16/06	
Carbonate Alkalinity	50.0 U	mg/L	50.0 50.0	100	10064490 EPA310.1	3812-32-6	06/16/06	
Total Alkalinity CaCO3	903	mg/L	50.0 50.0	100	10064490 EPA310.1	T-005	06/16/06	
1 ah #: 17741502 Sampled: 06.07.06	08/07/08/01-38 PMDace	a (@11#3@3 5	0.160,80,75,03					
	Result	<u> </u>	DF MDL	POL	OC Batch Method	CAS #	Analvzed	
Mercury	0.0140	mg/Kg	1.00 0.0100	0.0200	4	7439-97-6	06/15/06	
Calcium	1950	mg/Kg	1.00 10.0	20.0	10063866 EPA6010	7440-70-2	06/14/06	
Magnesium	979	mg/Kg	1.00 1.00	2.00	10063866 EPA6010	7439-95-4	06/14/06	
						•		

KYUSTP: 0007 FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) NJDEP: FL015 FLDOH: E83018 (Main Lab)

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Page 2 of 8

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Pinnacle Laboratories 2709 D Pan American Freeway NE Albuquerque, NM 87107

Jun 23, 2006; Invoice: 17741 Date Sampled: Jun 7, 2006 Client Project #: AES PO #: 606075

Lab #: 17741S02 Sampled: 06/07/06 01 36 PMDesc	01:36 PMDes	ic: Cell#2@2	5/606075-02					
	Result	9	DF MDL	PQL	QC Batch Method	CAS #	Analyzed	
Potassium	517	mg/Kg	1.00 10.0	20.0	10063866 EPA6010	7440-09-7	06/14/06	
Sodium	50.0 U	mg/Kg	1.00 50.0	100	10063866 EPA6010	7440-23-5	06/14/06	
Arsenic	11.9	mg/Kg	1.00 0.100	0.100	10063891 EPA6020	7440-38-2	06/14/06	
Barium	83.1	mg/Kg	1.00 0.200	0.400	10063891 EPA6020	7440-39-3	06/14/06	
Cadmium	0.100 U	mg/Kg	1.00 0.100	0.100	10063891 EPA6020	7440-43-9	06/14/06	
Chromium	3.62	mg/Kg	1.00 0.100	0.100	10063891 EPA6020	7440-47-3	06/14/06	
Lead	4.86	mg/Kg	1.00 0.100	0.200	10063891 EPA6020	7439-92-1	06/14/06	
Selenium	0.200 U	mg/Kg	1.00 0.200	0.400	10063891 EPA6020	7782-49-2	06/14/06	
Silver	0.0500 U	mg/Kg	1.00 0.0500	0.100	10063891 EPA6020	7440-22-4	06/14/06	
Specific_Conductance	64.1	umhos/cm	1.00		10064089 EPA120.1	10-34-4	06/16/06	
TDS	1140	mg/L	1.00		10064108 EPA160.1	10-33-3	06/15/06	
Chloride	20.4	mg/L	9.51		10064445 EPA300.0	16887-00-6	06/21/06	
Lab pH (units)	7.75	Hq	1.00 0.0100	0.0100	10064448 EPA150.1	39-38-4	06/16/06 10:	10:00 AM
Sulfate	9.31	mg/L	9.51		10064450 EPA300.0	14808-79-8	06/21/06	
Fluoride		mg/L	9.51 1.90	3.80	10064454 EPA300.0	16984-48-8	06/21/06	
Bicarbonate Alkalinity	606	mg/L	50.0 50.0	100	10064490 EPA310.1	E1640226	06/16/06	
Carbonate Alkalinity	162	mg/L	50.0 50.0	100	10064490 EPA310.1	3812-32-6	06/16/06	
Total Alkalinity CaCO3	610	mg/L	50.0 50.0	100	10064490 EPA310.1	T-005	06/16/06	
Lab #: 17741503 Sampled: 06/07/06	06/07/06 02:00 PMDesc	sc: Cell#1@2.	6./606075-03					
	Result	-	DF MDL	POL	OC Batch Method	CAS #	Analyzed	
Mercury	0.01511	mg/Kg	1.00 0.0100	0.0200	10061124 EPA7471	7439-97-6	06/15/06	
Calcium	2780	mg/Kg	1.00 10.0	20.0	10063866 EPA6010	7440-70-2	06/14/06	
Magnesium	1340	mg/Kg	1.00 1.00	2.00	10063866 EPA6010	7439-95-4	06/14/06	
Potassium	789	mg/Kg	1.00 10.0	20.0		7440-09-7	06/14/06	
Sodium	50.0 U	mg/Kg		100	10063866 EPA6010	7440-23-5	06/14/06	
Arsenic	3.93	mg/Kg		0.100	10063891 EPA6020	7440-38-2	06/14/06	
Barium	77.3	mg/Kg		0.400		7440-39-3	06/14/06-	
Cadmium	0.100 U	mg/Kg	1.00 0.100	0.100	10063891 EPA6020	7440-43-9	06/14/06	

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KYUSTP: 0007 FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) NJDEP: FL015 FLDOH: E83018 (Main Lab)

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Pinnacle Laboratories 2709 D Pan American Freeway NE Albuquerque,NM 87107

PO #: 606075 Client Project #: AES Date Sampled: Jun 7, 2006 Jun 23, 2006; Invoice: 17741

Lab #: 17741503 Sampled: 06/07/06 02:00 PMDesc:	02:00 PMDes	- 3333	Cell#1@2.5'/606075-03				
Parameter	Result	Units	DF MDL	Pol	QC Batch Method	CAS #	Analyzed
Chromium	4.75	mg/Kg	1.00 0.100	0.100	10063891 EPA6020	7440-47-3	06/14/06
Lead	5.42	mg/Kg	1.00 0.100	0.200	10063891 EPA6020	7439-92-1	06/14/06
Selenium	0.200 U	mg/Kg	1.00 0.200	0.400	10063891 EPA6020	7782-49-2	06/14/06
Silver	0.0500 U	mg/Kg	1.00 0.0500	0.100	10063891 EPA6020	7440-22-4	06/14/06
Specific_Conductance	42.8	umhos/cm	1.00		10064089 EPA120.1	10-34-4	06/16/06
TDS	3400	mg/L	1.00		10064108 EPA160.1	10-33-3	06/15/06
Chloride	33.7	mg/L	9.16		10064445 EPA300.0	16887-00-6	06/21/06
Lab pH (units)	7.69	Ha	1.00 0.0100	0.0100	10064448 EPA150.1	39-38-4	06/16/06 10:00 AM
Sulfate	13.2	mg/L	9.16		10064450 EPA300.0	14808-79-8	06/21/06
Fluoride		mg/L	9.16 1.83	3.66	10064454 EPA300.0	16984-48-8	06/21/06
Bicarbonate Alkalinity	473	mg/L	50.0 50.0	100	10064490 EPA310.1	E1640226	06/16/06
Carbonate Alkalinity	109	mg/Ľ	50.0 50.0	100	10064490 EPA310.1	3812-32-6	06/16/06
Total Alkalinity CaCO3	477	mg/L	50.0 50.0	100	10064490 EPA310.1	T-005	06/16/06

KYUSTP: 0007 FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) NJDEP: FL015 FLDOH: E83018 (Main Lab)

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PO #: 606075 Client Project #: AES Date Sampled: Jun 7, 2006 Jun 23, 2006; Invoice: 17741

			Quality Report	Ĕ				
Quality Control Batch: 10061124 Blank Mercury	Anaiyst: EVB Result 0.000200U	t Units mg/Kg						
Laboratory Control Sample Mercury	Result 0.984	Units mg/Kg	Spike 1.00	% REC 98.40	% REC Lim 64.89-136.65			
Matrix Spike Mercury	Result 0.515	Units mg/Kg	Spike 0.500	% REC 103.01	% REC Lim 50.07-153.27	<mark>Sample</mark> 0.000200U		
Matrix Spike Duplicate Mercury	Result 0.515	Units mg/Kg	Spike 0.500	% REC 103.01	% REC Lim 50.07-153.27	Sample 0.000200U	RPD RF 0.00 26	RPD Lim 26.10
Quality Control Batch: 10063866 Blank Calcium Magnesium Potassium	Anaiyst: EVB Result 0.100U 0.0100U 0.100U 0.100U	t Units mg/Kg mg/Kg						
Laboratory Control Sample Calcium Magnesium Potassium	Result 10.0 10.1 10.5	Units mg/Kg mg/Kg	Spike 10.0 10.0	% REC 100.25 100.80 105.31	% REC Lim 55.52-137.36 55.52-137.36 52.34-140.54			
Matrix Spike Calcium Magnesium Potassium	Result 28.0 16.7 11.2	Units mg/Kg mg/Kg	Spike 5.00 5.00	% REC 128.03 110.02 60.13	% REC Lim 46.29-151.41 46.30-151.42 42.75-154.17	Sample 21.6 11.2 8.24		

KYUSTP: 0007 FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) NJDEP: FL015 FLDOH: E83018 (Main Lab)

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Pinnacle Laboratories 2709 D Pan American Freeway NE Albuquerque,NM 87107			PO #: 606075 Client Project # Date Sampled: Jun 23, 2006;	PO #: 606075 Client Project #: AES Date Sampled: Jun 7, 2006 Jun 23, 2006; Invoice: 17741	-			
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Calcium	28.5	mg/Kg	5.00	137.83	46.29-151.41	21.6	1.74	20.89
Aagnesium	17.2	mg/Kg	5.00	119.95	46.30-151.42	11.2	2.93	20.89
otassium	12.6	mg/Kg	5.00	86.62	42.75-154.17	8.24	11.12	24.54

Ouality Control Batch: 10064445 Blank Chloride	Analyst: YGS Result 0.400U	S Units mg/L						
Laboratory Control Sample Chloride	Result 1.92	Units mg/L	Spike 2.00	% REC 95.91	%REC Lim 48.10-144.64			
Matrix Spike Chloride	Result 1.73	Units mg/L	<mark>Spike</mark> 2.00	% REC 87.94	% REC Lim 53.92-143.74	Sample -0.0320		
Matrix Spike Duplicate Chloride	Result 1.44	Units mg/L	Spike 2.00	% REC 73.67	% REC Lim 53.92-143.74	Sample -0.0320	RPD 18.01	RPD Lim 24.54
Quality Control Batch: 10064448 Blank Lab pH (units)	Anaiyst: LCC Result 0.0100U	Units PH						
Laboratory Control Sample Lab pH (units)	Result 7.02	Units pH	Spike 7.00	% REC 100.21	% REC Lim 49.97-140.15			
Quality Control Batch: 10064450 Blank	Analyst: YGS Result	S Units						

KYUSTP: 0007 FLDOH: E83018 (Main Lab) FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) NJDEP: FL015

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Pinnacle Laboratories 2709 D Pan American Freeway NE Albuquerque,NM 87107

PO #: 606075 Client Project #: AES Date Sampled: Jun 7, 2006 Jun 23, 2006; Invoice: 17741

Quality Control Batch: 10064450 Blank Sulfate	Analyst: YGS Result 1.00U	S Units mg/L						
Laboratory Control Sample Sulfate	Result 4.26	Units mg/L	Spike 4.00	% REC 106.59	% REC Lim 48.05-142.91			
Matrix Spike Sulfate	Result 3.09	Units mg/L	Spike 2.50	% REC 108.52	% REC Lim 46.14-150.78	<mark>Sample</mark> 0.375		
Matrix Spike Duplicate Sulfate	Result 3.07	Units mg/L	Spike 2.50	% REC 107.97	% REC Lim 46.14-150.78	<mark>Sample</mark> 0.375	RPD 0.45	RPD Lim 21.92
Ouality Control Batch: 10064454 Blank Fluoride	Analyst: YGS Result 0.200U	S Units mg/L						
Laboratory Control Sample Fluoride	Result 0.836	Units mg/L	Spike 0.800	%REC 104.51	% REC Lim 53.24-140.18			
Matrix Spike Fluoride	Result 0.423	Units mg/L	Spike 0.500	% REC 89.88	% REC Lim 42.86-154.28	<mark>Sample</mark> -0.0264		
Matrix Spike Duplicate Fluoride	Result 0.644	Units mg/L	Spike 0.500	% REC 133.98	% REC Lim 42.86-154.28	Sample -0.0264	RPD 41.35	RPD Lim 24.49

KYUSTP: 0007 FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) NJDEP: FL015 FLDOH: E83018 (Main Lab)

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Pinnacle Laboratories 2709 D Pan American Freeway NE Albuquerque,NM 87107 PO #: 606075 Client Project #: AES Date Sampled: Jun 7, 2006 Jun 23, 2006; Invoice: 17741

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Additional Comments

The inorganic parameters are reported in ppm (mg/L), based upon a 1:1 ratio of soil to DI water. The aqueous portion was analyzed with appropriate dilutions indicated.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
А	Absent
Р	Present
т	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
М	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
0	Result is greater than (over) the specified value.
1	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
В	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Date: 012 (Page: Joi	UEST	Реяticides/PCB (608/8081/8082) Непрicides (615/8151) РИА (8310)/8270 SIMS 8260 (TCLP 1311) ZHE Base/Neutral Acid Compounds GC/MS (625/8270) Uranium (ICP-MS) Gfross Alpha/Beta Gaross Alpha/Beta TO-14 TO-14 TO-14								1. RELINQUISED BY: 2.	Time: Signature: Time:		OUTO RATING Name: Date:	Company	1. RECEIVED BY: 2.	Time:		Date:	Company FL
Custody	ANALYSIS REQUEST	Gen Chemistry: F. CI, SO4, TDS BOD Volatile Organics GC/MS (8260) BOD COD	XXX								Sigdatures		Thunce win	Pinnacle Laboratories, Inc.	K RECEIVED BY:	Signature:		Printed Name:	Company
Interlab Chain of Custody		TCLP RCRA (8) Metals Metals-13 PP List Dissolved Fe, Mn, Pb (6010) TOC								SAMPLES SENT 10:		ATEL - AZ	ATEL - MARION	ATEL - MELMORE	FCL	EHL	GEL	WCAS	
	Jacinta Tenorio	TIME MATRIX KABID	1310 NAQINTHISX	1336 mulso 2	1400 V 177450 X				CANDLE DECENT		roan warnoer of Containers Chain of Custody Seals	Received Intact?	Received Good Cond./Cold	LAB NUMBER:				1.9.	
Pinnacle Laboratories, Inc.	Letter Network Project Manager:		167 ac	-	Cell#1 225/60075-08				ספר וברד ועכרסש אדוראו	V	Arc I	STD.) IV	MS MSD BLANK	RD RUSHII		DUE DATE: 023 COMMENTS:	RUSH SURCHARGE:	CLIENT DISCOUNT: SPECIAL CERTIFICATION	REQUIRED: YES NO

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	8260 (TCL) Volatile Organics DPBMS 8260 (Full) Volatile Organics DPBMS 8260 (CUST) Volatile Organics 8260 (CUST) Volatile Organics 8260 (Landfill) Volatile Organics Pesticides/PCB (608/8081/8082) Base/Neutral/Acid Compounds GC/MS (625/8270) Polynuclear Aromatics (610/8310/8270-SIMS) Polynuclear Aromatics (610/8200/8270-SIMS) Polynuclear Aromatics (610/8200/8200/8200/8200/8200/8200/8200/82							REEINQUISHED BY: 1. REEINQUISHED BY: 2		Vame: Date: Deneral North	Kanarar 6-8-06	Company: See Reverse side (Force Majeure)	VED BY:		Name: Date: Provide Names - Date and a subject of a	Moore: Pittuade Laboratories Inc.
Inc. CHAIN OF CUSTODY	Рефисience Рефиcience Рефиcience Рефиcience Рефиcience Рефиcience Рефиcience Рефиcience Рефиcience </th <th>X</th> <th>0.5%</th> <th>*</th> <th></th> <th></th> <th>HARGE - PLEASE INQUIRE.</th> <th>S'REQUIRED FOR RUSH PROJECTS</th> <th></th> <th>DINM DISDWA DIAZ DIOTHER</th> <th></th> <th>Kyalor See Revers</th> <th>RECEI Stornahura</th> <th></th> <th></th> <th>CO davinn R7107 • (EDE) 244.9777 • Eav IGRE) 344.4413 • E-mail: DIN I</th>	X	0.5%	*			HARGE - PLEASE INQUIRE.	S'REQUIRED FOR RUSH PROJECTS		DINM DISDWA DIAZ DIOTHER		Kyalor See Revers	RECEI Stornahura			CO davinn R7107 • (EDE) 244.9777 • Eav IGRE) 344.4413 • E-mail: DIN I
PROJECT MANAGER: Koss Kinnen		Cell#3 2 2.51 6746 1310	(ell#2 2 2.5' (-706 1336	20 Cell 1 2 2 2 0 0 0 0 0 1 1 0 20			 WEEKEND ANALYSES MAY RESULT IN AN	PROJECTINEORMATION	PROJ. NO.:	PROJ. NAME: DAG	P.O. NO.	SHIPPED VIA:		CUSTOD SEALS AN MIN		D. ABRUE DEIGE AND

Animas Environmental Services, LLC

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

June 2, 2006

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

RE: Results of March 2006 Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On March 7, 2006, 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. This is the first quarterly monitoring and sampling event since the facility was returned to operation in February 2006.

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 three operating treatment cells. Samples were collected at two 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 before the samples were delivered to the laboratory.

Laboratory Analytical Methods

Each soil sample was analyzed for total petroleum hydrocarbons (TPH) per EPA Method 8015 and benzene, toluene, ethylbenzene and xylene (BTEX) per EPA Method 8021. Samples collected for BTEX analysis were field-preserved with methanol at the time of collection, with materials 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 have received hydrocarbon contaminated soils, which have been thin-spread and 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. As observed during previous sampling events, Treatment Cell #4 appears to be inactive.

Mr. Mike Dimond June 2, 2006 Page 2 of 2

Laboratory analytical results for BTEX on all samples collected were below the laboratory method detection limit. Laboratory analytical results for TPH from Cell #1 and Cell #2 were 18 mg/kg and 52 mg/kg, respectively, while the TPH results from Cell #3 were below the method detection limit. Note that the TPH sample for Cell #3 was analyzed past the 14 day hold time. Analytical results for each sampling point have been summarized and are included in Table 1 and on Figure 1. Laboratory analytical reports are also attached.

The next sampling event is scheduled for June 7, 2006. 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 Elizabeth McNally at (505) 564-2281.

Sincerely,

Ross Kennemer

Project Manager

Attachments: Table 1. Summary of Soil Analytical Results Figure 1. Treatment Zone Monitoring Locations Pinnacle Laboratory Analytical Reports

Files/2006/BMG/Landfarm Sampling/gcbmg050806.doc

TABLE 1	SUMMARY OF SOIL ANALYTICAL RESULTS PER EPA METHOD 8021 AND 8015	BMG's Centralized Surface Waste Management Facility
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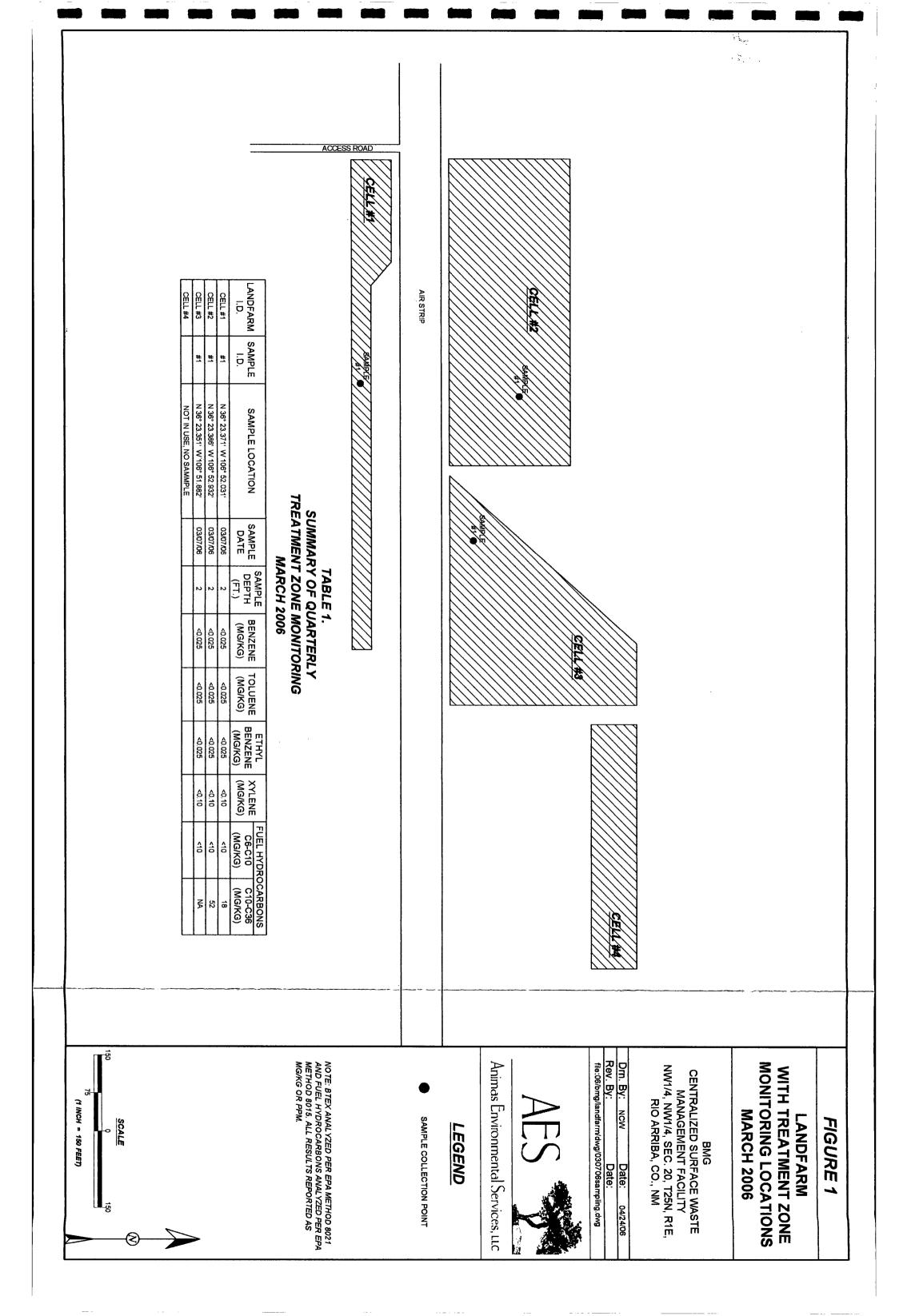
Rio Arriba County, New Mexico

							Ethyl-		Fuel Hydr	Fuel Hydrocarbons
Landfarm	Sample	Sample Location	Sample	Sample	Benzene	Toulene	benzene	Xylene	(C6-C10)	(C6-C10) (C10-C36)
I.D.	I:D.		Date	Depth (ft)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Cell #1	1#1	N 36° 23.371' W 106° 52.031'	3/7/2006	2	<0.025	<0.025	<0.025	<0.10	<10	18
Cell #2	1#	N 36° 23.386' W 106° 52.932'	3/7/2006	2	<0.025	<0.025	<0.025	<0.10	<10	52
Cell #3	1#1	N 36° 23.351' W 106° 51.882'	3/7/2006	2	<0.025	<0.025	<0.025	<0.10	<10	NA
Cell #4		Not Sampled			Treatn	reatment cell appears to be inactive	ars to be ina	ctive		

Note** 3/7/06 TPH for Cell #3 was analyzed past the 14 day hold time. Insufficient sample available for extraction with 8015B QC. Blank and sample from BTEX extraction used. Benzene, Toulene, Ethyl-benzene, and Xylene (BTEX) per EPA Method 8021 Fuel Hydrocarbons - (C6-C10) per EPA Method 8015 Fuel Hydrocarbons - (C10-C36) per EPA Method 8015

Animas Environmental Services, LLC 030706 Sampling

1st Quarterly Monitoring and Sampling Event June 2, 2006





Pinnacle Lab ID number March 31, 2006

603042

ANIMAS ENVIRONMENTAL SERVICES 624 EAST COMMANCHE FARMINGTON, NM 87401

Project Name BMG C.O.U LAND FARM Project Number (NONE)

Attention: ROSS KENNEMER

03/09/06 On 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.

Per the request of the client, 8015 DRO & GRO analysis were added after sample receipt. While insufficient sample was available for sample 603042-03, GRO data was obtained from the 8021 extract.

EPA Method 9071B was analyzed by Severn Trent Services, Pensacola, FL.

All other samples were analyzed by Pinnacle Laboratories, Inc., Albuquerque, NM.

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



CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 603042
PROJECT#	: (NONE)	DATE RECEIVED	: 03/09/06
PROJECT NAME	: BMG C.O.U LAND FARM	REPORT DATE	: 03/31/06
PINNACLE			DATE
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
603042 - 01	CELL #1 SAMPLE #1 @ 2'	NON-AQ	03/07/06
603042 - 02	CELL #2 SAMPLE #1 @ 2'	NON-AQ	03/07/06
603042 - 03	CELL #3 SAMPLE #1 @ 2'	NON-AQ	03/07/06

2709-D Pan American Fwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 FAX 877.PIN.1998 TOLL FREE www.pinnaclelabs.org www.pinnaclelabsonline.com

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Printed: 03/31/06; 1:48 PM

File: '603042 AES.xls; COVEREP



GAS CHROMATOGRAPHY RESULTS

	TEST CLIENT PROJECT # PROJECT N	ŧ	: EPA 8015B GR : ANIMAS ENVIR : (NONE) : BMG C.O.U LAI	ONMENTA				: 603042 : BP
	SAMPLE				DATE	DATE	DATE	DIL.
	ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
	01	CELL #1 SAMPL	E #1 @ 2'	NON-AQ	03/07/06	NA	03/20/06	1
l	02	CELL #2 SAMPL	E #1 @ 2'	NON-AQ	03/07/06	NA	03/20/06	1
•	PARAMETE	R	DET. LIMIT	UN	IITS	CELL #1 SAMPLE #1 @ 2'	CELL #2 SAMPLE #1 @ 2'	
	FUEL HYDF	ROCARBONS	10	MG	KG	< 10	< 10	······
	HYDROCAF	RÉON RANGE				C6-C10	C6-C10	
ľ	HYDROCAF	RBONS QUANTIT	ATED USING			GASOLINE	GASOLINE	
l	DRY WEIGH	HT (%)				87	91	

CHEMIST NOTES:

N/A



GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

TEST BLANK I.D. CLIENT PROJECT # PROJECT NAME	: EPA 8015B GRO : 032006 : ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG C.O.U LAND FARM	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX ANALYST	: 603042 : NA : 03/20/06 : FP : BP
PARAMETER	UNITS		; <u> </u>
FUEL HYDROCARBONS HYDROCARBON RANGE HYDROCARBONS QUANT	MG/KG	<10 C6-C10 GASOLINI	E

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH ID CLIENT PROJECT # PROJECT NAME	: EPA 8015B (: 032006 : ANIMAS EN : (NONE) : BMG C.O.U I	VIRONMENT		6	PINNACLE DATE EXTR DATE ANAL SAMPLE MA UNITS	ACTED YZED	:	603042 N/A 03/20/06 FP MG/KG	
	BLANK	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
FUEL HYDROCARBONS HYDROCARBON RANGE HYDROCARBONS QUAN		50.0 C6-C10 GASOLINE	49.9	100	48.1	96	4	(70 - 130)	20
CHEMIST NOTES: N/A									
(Spike Sa % Recovery =	ample Result - Sa	ample Resuli	l) X 100						
	Spike Concentra	tion							
		mple Result	- Duplicate Res	sult)	X 100				
	(Sar	mple Result		sult)	X 100				



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

	TEST: EPA 8015B GROSAMPLE ID: 603043-05CLIENT: ANIMAS ENVIRONMENTAL SERVICESPROJECT #: (NONE)PROJECT NAME: BMG C.O.U LAND FARM					PINNACLE I DATE EXTR DATE ANAL SAMPLE MA UNITS	ACTED YZED ATRIX	:		
	PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP	DUP	000	REC	RPD
	FUEL HYDROCARBONS HYDROCARBON RANGE HYDROCARBONS QUANTI	<10	50.0 C6-C10	48.9	98	<u>SPIKE</u> 48.9	<u>% REC</u> 98	<u>RPD</u> 0	LIMITS (70 - 130)	LIMITS 20
	CHEMIST NOTES: N/A									
	(Spike San	nple Result - Sa	mple Resul	9						
I	% Recovery =	pike Concentral		X 100						
, }	RPD (Relative Percent Differ			- Duplicate Res	sult)	X 100				
•										

-



GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 8015B GI	RO				
CLIENT	: ANIMAS ENVI	RONMENTAL	SERVICES	Р	INNACLE I.D.	603042
PROJECT #	: (NONE)				ANALYST :	BP
PROJECT NAME	: BMG C.O.U L/	AND FARM				
SAMPLE			DATE	DATE	DATE	DIL.
ID. # CLIEN	IT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
03 CELL	#3 SAMPLE #1 @ 2'	NON-AQ	03/07/06	03/13/06	03/22/06	1
				CELL #3		
PARAMETER	DET. LIMIT	1 IN	IITS	SAMPLE #1 @		
			110	2'		
FUEL HYDROCAR	BONS 10	MG	5/KG	< 10 - H1		
HYDROCARBON I	RANGE			C6-C10		
HYDROCARBONS	QUANTITATED USING			GASOLINE		

CHEMIST NOTES:

H1 = Sample was ananlyzed past the 14 day hold time.

Insufficient sample available for extraction with 8015B QC. Blank and sample from BTEX extraction used.



GAS CHROMATOGRAPHY RESULTS EXTRACTION BLANK

TEST BLANK I.D. CLIENT PROJECT # PROJECT NAME	: EPA 8015B GRO : 031306 : ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG C.O.U LAND FARM	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX ANALYST	: 603042 : 03/13/06 : 03/21/06 : NON-AQ : BP
PARAMETER	UNITS		
FUEL HYDROCARBONS	MG/KG	<10	
HYDROCARBON RANGE	•	C6-C10	
HYDROCARBONS QUANT	ITATED USING	GASOLINE	

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY RESULTS

TEST CLIENT	:	EPA 8015 MO ANIMAS ENVI	-		•	PINNACLE I.D.	
PROJECT # PROJECT N		(NONE) BMG C.O.U L/				ANALYST	: DSR
SAMPLE		DIVIG 0.0.0 D		DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED		FACTOR
01	CELL #1 SAMPLE #1 @ 2'	······································	NON-AQ	03/07/06	03/21/06	03/22/06	1
02	CELL #2 SAMPLE #1 @ 2'		NON-AQ	03/07/06	03/21/06	03/22/06	1
03	CELL #3 SAMPLE #1 @ 2'		NON-AQ	03/07/06	N/A		
PARAMETE	R	DET. LIMIT	UN	ITS	CELL #1 SAMPLE #1 @ 2'	CELL #2 SAMPLE #1 @ 2'	CELL #3 SAMPLE #1 @ 2'
FUEL HYDR	OCARBONS, C6-C10	30		/KG	< 30	< 30	 N/A
FUEL HYDR	OCARBONS, C10-C22	10	MG	/KG	< 10	12	
FUEL HYDR	OCARBONS, C22-C36	10	MG	/KG	18	40	
CALCULATE	ED SUM:				18	52	
SURROGAT O-TERPHEN SURROGAT	IYL (%)	(70-130)			89	84	

CHEMIST NOTES:

603042-03 could not be extracted due to insufficient sample volume.



GAS CHROMATOGRAPHY RESULTS EXTRACTION BLANK

TEST BLANK I.D. CLIENT PROJECT # PROJECT NAME	: EPA 8015 MODIFIED (DIRE : 032106 : ANIMAS ENVIRONMENTAL : (NONE) : BMG C.O.U LAND FARM	DATI SERVICES DATI	E EXTRACTED E ANALYZED PLE MATRIX	: 603042 : 03/21/06 : 03/22/06 : NON-AQ : DSR
PARAMETER		UNITS		
FUEL HYDROCARBONS,	C6-C10	MG/KG	< 30	
FUEL HYDROCARBONS,	C10-C22	MG/KG	< 10	
FUEL HYDROCARBONS,	C22-C36	MG/KG	< 10	
SURROGATE: O-TERPHENYL (%) SURROGATE LIMITS	(70-130)		87	

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH ID CLIENT PROJECT # PROJECT NAME	: EPA 8015 M : 032106 : ANIMAS EN : (NONE) : BMG C.O.U I BLANK	/IRONMENT	TAL SERVICES		PINNACLE I DATE EXTR DATE ANAL SAMPLE MA UNITS DUP	ACTED YZED	: : :	603042 03/21/06 03/22/06 NON-AQ MG/KG REC	RPD
PARAMETER	RESULT	SPIKE	BLANK	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
FUEL HYDROCARBONS HYDROCARBON RANGE HYDROCARBONS QUANT	<10	200 C10-C32	191	96	178	89	7	(75-125)	20
CHEMIST NOTES: N/A									
% Recovery =	mple Result - Sa Spike Concentra	tion	X 100						
RPD (Relative Percent Diffe			- Duplicate Res e Result	sult) 	X 100				· ·
) 									
2709-D Pan American		uquerque, w.pinnaclel	NM 87107 labs.org w		.3777 505.3 clelabsonline.o		877.PI	N.1998 TOL	L FREE

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GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST SAMPLE ID CLIENT PROJECT # PROJECT NAME	: EPA 8015 MC : 603042-02 : ANIMAS ENV : (NONE) : BMG C.O.U L		TAL SERVICES		PINNACLE I DATE EXTR DATE ANAL SAMPLE MA UNITS	ACTED YZED ATRIX	:	603042 03/21/06 03/22/06 NON-AQ MG/KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS HYDROCARBON RANGE HYDROCARBONS QUANT CHEMIST NOTES: N/A	12 TITATED USING	200 C10-C32	188	88	201	95	7	(70-130)	20
% Recovery =		tion nple Result	•		X 100				



GAS CHROMATOGRAPHY RESULTS

TEST CLIENT PROJECT # PROJECT N		: EPA 8021B - N : ANIMAS ENVII : (NONE) : BMG C.O.U LA	RONMENTAL			INNACLE I.D. ANALYST	
SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	CELL #1 SAI	MPLE #1 @ 2'	NON-AQ	03/07/06	NA	03/10/06	1
02	CELL #2 SAI	MPLE #1 @ 2'	NON-AQ	03/07/06	NA	03/10/06	1
PARAMETEI BENZENE TOLUENE ETHYLBENZ		DET. LIMIT 0.025 0.025 0.025	MG MG	/KG	< 0.025	CELL #2 SAMPLE #1 @ 2' < 0.025 < 0.025 < 0.025	
TOTAL XYLE		0.10				< 0.10	
SURROGAT BROMOFLU SURROGAT DRY WEIGH	E: OROBENZEI E LIMITS				89 87	90 91	

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

TEST BLANK I. D. CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 031006 : ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG C.O.U LAND FARM	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX ANALYST	:	603042 N/A 03/10/06 FP BP
PARAMETER	UNITS			
BENZENE	MG/KG	<0.025		<u></u>
TOLUENE	MG/KG	<0.025		
ETHYLBENZENE	MG/KG	<0.025		
TOTAL XYLENES	MG/KG	<0.10		
SURROGATE: BROMOFLUOROBENZENE (%) SURROGATE LIMITS: CHEMIST NOTES: N/A		87		



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

	TEST	: EPA 8021B				PINNACLE	l.D.	:	603042	
	BATCH ID	: 031006				DATE EXTRACTED		:	NA	
	CLIENT	: ANIMAS ENVIRONMENTAL SERVICES			DATE ANALYZED		:	03/10/06		
	PROJECT #	: (NONE)				SAMPLE M	ATRIX	:	FP	
I	PROJECT NAME	: BMG C.O.U L	AND FARM	1		UNITS		:	MG/KG	
ł		SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
	PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
•	BENZENE	<0.025	1.00	1.01	101	1.01	101	0	(80 - 120)	20
	TOLUENE	<0.025	1.00	0.945	95	0.944	94	0	(80-120)	20
	ETHYLBENZENE	<0.025	1.00	0.949	95	0.949	95	0	(80 - 120)	20
1	TOTAL XYLENES	<0.10	3.00	3.11	104	3.10	103	0	(80 - 120)	20

CHEMIST NOTES: N/A

	(Spike Sample Result - Sample Result)
% Recovery =	X 100

Spike Concentration

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

Average Result

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GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST SAMPLE ID CLIENT PROJECT #	: EPA 8021B : 603011-01 : ANIMAS ENV : (NONE)	IRONMEN	TAL SERVICES	;	PINNACLE DATE EXRA DATE ANAL SAMPLE MA	ACTED YZED	:	603042 N/A 03/10/06 FP	
PROJECT NAME	: BMG C.O.U L	AND FARM	1		UNITS		:	MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
BENZENE	<0.025	1.00	1.06	106	0.999	100	6	(80 - 120)	20
TOLUENE	<0.025	1.00	1.01	101	0.953	95	6	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.01	101	0.957	96	5	(80 - 120)	20
TOTAL XYLENES	<0.10	3.00	3.35	112	3.17	106	6	(80 - 120)	20

CHEMIST NOTES: N/A

(Spike Sample Result - Sample Result) % Recovery =

--- X 100

Spike Concentration

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

Average Result

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--- X 100



GAS CHROMATOGRAPHY RESULTS

TEST CLIENT PROJEC PROJEC		: EPA 8021B : ANIMAS ENVIR : (NONE) : BMG C.O.U LAI		SERVICES	Ρ	INNACLE I.D. : ANALYST :	
SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
03	CELL #3 SAM	PLE #1 @ 2'	NON-AQ	03/07/06	03/13/06	03/13/06	1
PARAME		DET. LIMIT		UNITS	CELL #3 SAMPLE #1 @ 2'		
BENZEN		0.025		MG/KG	< 0.025		
TOLUEN		0.025	·	MG/KG	< 0.025		
ETHYLB	ENZENE	0.025		MG/KG	< 0.025		
TOTAL X	YLENES	0.10		MG/KG	< 0.10		
	GATE: FLUOROBENZEN GATE LIMITS	E (%) (65 - 120)			89		

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY RESULTS EXTRACTION BLANK

TEST BLANK I. D. CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 031306 : ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG C.O.U LAND FARM	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX ANALYST	:	603042 03/13/06 03/13/06 NON-AQ BP
PARAMETER	UNITS			,
BENZENE	MG/KG	<0.025		
TOLUENE	MG/KG	<0.025		
ETHYLBENZENE	MG/KG	<0.025		
TOTAL XYLENES	MG/KG	<0.10		
SURROGATE: BROMOFLUOROBENZENE (%) SURROGATE LIMITS: CHEMIST NOTES: N/A	(80 - 120)	90		



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

ł	TEST	: EPA 8021B				PINNACLE	I.D.	:	603042		
	BATCH ID	: 031306				DATE EXTR	RACTED	:	03/13/06		١
)	CLIENT	: ANIMAS ENV	IRONMENT	TAL SERVICES	i	DATE ANAL	YZED	:	03/13/06		
	PROJECT #	: (NONE)				SAMPLE MA	ATRIX	:	NON-AQ		
	PROJECT NAME	: BMG C.O.U L	AND FARM			UNITS		:	MG/KG		_
		SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD	•
	PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	<u>% REC</u>	RPD	LIMITS	LIMITS	_
	BENZENE	<0.025	1.00	0.896	90	1.09	109	20	(68 - 120)	20	
	TOLUENE	<0.025	1.00	0.856	86	1.01	101	17	(64 - 120)	20	
	ETHYLBENZENE	<0.025	1.00	0.842	84	1.01	101	18	(49 - 127)	20	
ľ	TOTAL XYLENES	<0.10	3.00	2.79	93	3.34	111	18	(58 - 120)	20	

CHEMIST NOTES: N/A

	(Spike Sample Result - Sample Result)	
% Recovery =	X 100	
•	Spike Concentration	

RPD (Relative Percent Difference) =

(Sample Result - Duplicate Result)

Average Result

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GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST SAMPLE ID CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 603042-03 : ANIMAS ENV : (NONE) : BMG C.O.U L			3	PINNACLE DATE EXRA DATE ANAL SAMPLE MA UNITS	ACTED YZED	:	603042 03/13/06 03/13/06 NON-AQ MG/KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	0.988	99	1.04	104	5	(68 - 120)	20
TOLUENE	<0.025	1.00	0.920	92	0.959	96	4	(64 - 120)	20
ETHYLBENZENE	<0.025	1.00	0.915	92	0.952	95	4	(49 - 127)	20
TOTAL XYLENES	<0.10	3.00	3.01	100	3.13	104	4	(58 - 120)	20

CHEMIST NOTES: N/A

% Recovery =

(Spike Sample Result - Sample Result)

Spike Concentration

(Sample Result - Duplicate Result)

- X 100

RPD (Relative Percent Difference) =

Average Result

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ANALYTICAL REPORT

Job Number: 400-9847-1

Job Description: 603042

For: Pinnacle Laboratories 2709-D Pan American Freeway Northeast Albuquerque, NM 87107

Attention: Mitch Rubenstein



Marty Edwards Project Manager I medwards@stl-inc.com 03/19/2006

Project Manager: Marty Edwards

The test results in this report meet all NELAP requirements for accredited parameters. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced except in full, and with written approval from the laboratory. STL Pensacola Certifications and Approvals: Alabama (#40150), Arizona (#AZ0589), Arkansas (#88-0689), California (# 2510), Florida (#E81010), Florida CQAP (#980156), Illinois (#200041), Iowa (#367), Kansas (#E10253), Kentucky UST (#0053), Louisiana (#30748), Maryland (#233), Massachusetts (#M-FL094), Michigan (#9912), New Hampshire (#250502), New Jersey (#FL 006), North Carolina (#314), North Dakota (#R-108), Oklahoma (#9810), Pennsylvania (#68-467), South Carolina (#96026), Tennessee (#02907), Virginia (#00008), West Virginia (#136), USDA Foreign Soil Permit (#S-37599).

Severn Trent Laboratories, Inc. STL Pensacola 3355 McLemore Drive, Pensacola, FL 32514 Tel (850) 474-1001 Fax (850) 478-2671 www.stl-inc.com





METHOD SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-9847-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid	·····		
n-Hexane Extractable Material (HEM) for S and Solid Samples	ludge, Sediment, STL-PEN	SW846 9071	3
n-Hexane Extractable Material	(HEM) for Sludge, STL-PEN		SW846 9071B
Percent Moisture	STL-PEN	EPA 160.3	

LAB REFERENCES:

STL-PEN = STL-Pensacola

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.



METHOD / ANALYST SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-9847-1

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Method	Analyst	Analyst ID
EPA 160.3	Boone, Shannon	SB
SW846 9071B	Tremmel, Rebecca	RT

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SAMPLE SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-9847-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-9847-1	CELL #1 @ 2'/603042-01	Solid	03/07/2006 1605	03/10/2006 1000
400-9847-2	CELL #2 @ 2'/603042-02	Solid	03/07/2006 1628	03/10/2006 1000
400-9847-3	CELL #3 @ 2'/603042-03	Solid	03/07/2006 1644	03/10/2006 1000

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SAMPLE RESULTS



Client: Pinnacle Laboratories

Analytical Data

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Job Number: 400-9847-1

		General Chemistry		
Client Sample ID:	CELL #1 @ 2'/603042-(01		
Lab Sample ID: Client Matrix:	400-9847-1 Solid		Date Sampled: Date Received	
Analyte	Result	Qual Units	RL	Dil Method
HEM (Oil & Grease)) 140 Anly Batch: 400-23030 Prep Batch: 400-22977	mg/Kg Date Analyzed 03/15/2006 1230 Date Prepared: 03/15/2006 0748	50	1.0 9071B DryWt Corrected: N
Percent Solids	87 Anly Batch: 400-22848	Percent Date Analyzed 03/11/2006 0000	0.10	1.0 160.3
Client Sample ID:	CELL #2 @ 2'/603042-0	2		
Lab Sample ID: Client Matrix:	400-9847-2 Solid		Date Sampled: Date Received:	
Analyte	Result	Qual Units	RL	Dil Method
HEM (Oil & Grease)	320 Anly Batch: 400-23030 Prep Batch: 400-22977	mg/Kg Date Analyzed 03/15/2006 1230 Date Prepared: 03/15/2006 0748	48	1.0 9071B DryWt Corrected: N
Percent Solids	92 Anly Batch: 400-22848	Percent Date Analyzed 03/11/2006 0000	0.10	1.0 160.3
Client Sample ID:	CELL #3 @ 2'/603042-0	3		
Lab Sample ID: Client Matrix:	400-9847-3 Solid		Date Sampled: Date Received:	03/07/2006 1644 03/10/2006 1000
Analyte	Result	Qual Units	RL	Dil Method
HEM (Oil & Grease)	8500 Anly Batch: 400-23030 Prep Batch: 400-22977	mg/Kg Date Analyzed 03/15/2006 1230 Date Prepared: 03/15/2006 0748	49	1.0 9071B DryWt Corrected: N
	TTOP Daton. 400 22077			



QUALITY CONTROL RESULTS



Quality Control Results

Client: Pinnacle Laboratories

Job Number: 400-9847-1

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QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
General Chemistry				
Analysis Batch:400-2	2848			
400-9847-1	CELL #1 @ 2'/603042-01	Solid	160.3	
400-9847-2	CELL #2 @ 2'/603042-02	Solid	160.3	
100-9847-3	CELL #3 @ 2'/603042-03	Solid	160.3	
Prep Batch: 400-2297	7			
_CS 400-22977/17-B	Lab Control Spike	Solid	9071B	
MB 400-22977/18-B	Method Blank	Solid	9071B	
100-9847-1	CELL #1 @ 2'/603042-01	Solid	9071B	
400-9847-2	CELL #2 @ 2'/603042-02	Solid	9071B	
400-9847-3	CELL #3 @ 2'/603042-03	Solid	9071B	
400-9891-A-1-B MS	Matrix Spike	Solid	9071B	
400-9891-A-1-C MSD	Matrix Spike Duplicate	Solid	9071B	
Analysis Batch:400-2	3030			
CS 400-22977/17-B	Lab Control Spike	Solid	9071B	400-22977
MB 400-22977/18-B	Method Blank	Solid	9071B	400-22977
100-9847-1	CELL #1 @ 2'/603042-01	Solid	9071B	400-22977
100-9847-2	CELL #2 @ 2'/603042-02	Solid	9071B	400-22977
00-9847-3	CELL #3 @ 2'/603042-03	Solid	9071B	400-22977
00-9891-A-1-B MS	Matrix Spike	Solid	9071B	400-22977
100-9891-A-1-C MSD	Matrix Spike Duplicate	Solid	9071B	400-22977



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Client: Pinnacle Laboratories

Quality Control Results

Job Number: 400-9847-1

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Method Blank - Batch: 400-22977			Method: 9071B Preparation: 9071B			
Client Matrix:SoliDilution:1.0Date Analyzed:03/1	t Matrix: Solid Pro		Analysis Batch: 400-23030 Prep Batch: 400-22977 Units: mg/Kg		Instrument ID: No Equipment Assigned Lab File ID: N/A Initial Weight/Volume: 10.00 g Final Weight/Volume: 10 mL	
Analyte		Result		Qual	RL	
HEM (Oil & Grease)		<50			50	
Laboratory Contr	rol Sample - Batch: 4	00-22977			Method: 9071B Preparation: 9071B	
Lab Sample ID:LCS 400-22977/17-BClient Matrix:SolidDilution:1.0Date Analyzed:03/15/2006Date Prepared:03/15/200603/15/20060748		Analysis Batch: 400-23030 Prep Batch: 400-22977 Units:mg/Kg			Instrument ID: No Equipment Assigned Lab File ID: N/A Initial Weight/Volume: 10.00. g Final Weight/Volume: 10 mL	
Analyte		Spike Amount	Result	% Re	c. Limit	Qual
HEM (Oil & Grease)		3700	3300	90	72 - 119	n, ar 1948 yan 1944 y
Matrix Spike/ Matrix Spike Dup	licate Recovery Repo	rt - Batch: 400-2	2977		Method: 9071B Preparation: 9071B	
MS Lab Sample ID: Client Matrix: Dilution: Date Analyzed: Date Prepared:	400-9891-A-1-B MS Solid 1.0 03/15/2006 1230 03/15/2006 0748	Analysis Batch: Prep Batch: 400			Instrument ID: No Equip Lab File ID: N/A Initial Weight/Volume: 10 Final Weight/Volume: 10).41 g
MS Lab Sample ID: Client Matrix: Dilution: Date Analyzed: Date Prepared:	Solid 1.0 03/15/2006 1230	•	-22977 400-23030		Lab File ID: N/A Initial Weight/Volume: 10).41 g) mL nent Assigned 13 g
MS Lab Sample ID: Client Matrix: Dilution: Date Analyzed: Date Prepared: MSD Lab Sample ID Client Matrix: Dilution: Date Analyzed:	Solid 1.0 03/15/2006 1230 03/15/2006 0748 2: 400-9891-A-1-C MSD Solid 1.0 03/15/2006 1230	Prep Batch: 400 Analysis Batch:	-22977 400-23030		Lab File ID: N/A Initial Weight/Volume: 10 Final Weight/Volume: 10 Instrument ID: No Equipm Lab File ID: N/A Initial Weight/Volume: 10. Final Weight/Volume: 10).41 g) mL nent Assigned 13 g

Calculations are performed before rounding to avoid round-off errors in calculated results.

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DATA REPORTING QUALIFIERS

Lab Section

Qualifier

Description



Client: Pinnacle Laboratories

Job Number: 400-9847-1

Login Number: 9847

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Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	3.3°C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

	 B260 (TCL) Volatile Organics B260 (Full) Volatile Organics B260 (Eult) Volatile Organics B260 (CUST) Volatile Organics B260 (Landfill) Volatile Organics B360 (Landfill) Volatile Organics Pesticides/PCB (608/8081/8082) Pesticides/PCB (61/8310/8270-51M5) Pest		Alegandrue Time Alegandrue Time Signature Signature Finited Name Oompary: Signature Time Signature Signature Finited Name Signature Signature Signature Signature Signature Signature Signature Signature Signature Finited Name Signature Signature Signature Signature Signature Finited Name Signature Signature Signature
	504.1 EDB П/DBCP П 504.1	3-706/605 Soil 2018 X X X 23-06/605 Soil 2018 X X X X 23-06 /644 Soil 2018 Y X X X X X X X X X X X X X X X X X X	NADDITIONAL SURCHARGE - PLEASE INDUINE. NADDITIONAL SURCHARGE - PLEASE INDUINE. NADDITIONAL SURCHARGE - PLEASE INDUINE. RERIGIARVILABLE ON ALL ANALYSES RUCSH) D24h ^r D72h ^r D1 WEEK (NORMAL) X WOT SHILABLE ON ALL ANALYSES NOT ANALABLE ON ALL ANALYSES TOTAL D24h ^r D72h ^r D1 WEEK (NORMAL) X WOT SHILABLE ON ALL ANALYSES CORMENTS METHANOL PRESERVATION REQUIRED FOR FROM AL ANALYSES COMMENTS NOT ALL ANALYSES COMMENTS METHANOL PRESERVATION REQUIRED FOR AL DISSOLVED COMMENTS Need EXTRUCTION ON CIT #3 Surple DT EX ONL ON CIT #3 Surple DT EX ONL ON SOAN BT EX ONL ON SOAN BT EX ONL ON SOAN All four Cleint Please add SOISG RO & SOISDRO AMORICIAN FROM AN AND A ANALYTY - EX (RER ON A ANA - E-MALIN
Pinnacle Lu	COMPANY: COMPANY: COMPANY: ADDRESS: COMPANY: FAX: FAX: BILL TO: COMPANY: ADDRESS: ADDRESS ADDRES	Cell# 5mpl#1 7 2' Cell# 5mpl#1 7 2' Cell#3 5mple#1 2 2' Cell#3 5mple#1 2'	PLEASE FILL THIS FORMATION PPOJECTINIFORMATION PP

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 <u>06</u> to December <u>06</u>				
•••	Monitor Reading Taken by:	Level (Inches)	Change in fluid level from prior Month (Inches)	
Jan- 4	Ben E Martin	, <i>II</i>		
Feb- Z	Bort Houseles	, "	0	
Mar- 3	Bar May de	, ¹¹ .	Ð	
Apr- 3	Ben F. S. AL	111	<i>D</i> -	
May-	an All 12		0	
Jun- Z	K. I. S. J.	,"	0	
Jul- 3	Ben I Homfol	1"	2	
Aug- /	Ben & Hon de	<i>µ</i>	ð	
Sep- S	Ben & Honfile	, · ·	Ð	
Oct- 3	Ben 2 Congel	, "	8 -	
Nov- /	Ben L Conzales Bent Honde	,"	8	

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of H2S walk around: 🗾 👼

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

Results of Monitor Tube Inspection: ok - 1''

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

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

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

SPIAY System down

I <u>Signed Name</u> Signed Name <u>Ben L. Gonzales</u> Printed Name Certify this inspection to be true, Today's Date and Time: <u>1/4/06</u> 7:30 AM

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of H2S walk around:

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

Results of Monitor Tube Inspection:

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

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

1

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

I <u>Ban</u> F <u>Impolia</u> Certify this inspection to be true,

_____ Signed Name <u>Ben L Conzales</u> Printed Name

Certify this inspection to be true, Today's Date and Time: ____/ /2 / 06 7.30 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of H2S walk around: 6

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

Results of Monitor Tube Inspection: ____ / ''

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

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

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

 I bent dimensional Signed Name
 Signed Name
 Ben L Conzults
 Printed Name

 Certify this inspection to be true,
 Today's Date and Time:
 1/18/06
 7:30 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

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Results of H2S walk around:_____

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

Results of Monitor Tube Inspection: $_/"$

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

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

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

Sont Hould

Signed Name <u>Ben L Gonzales</u> Printed Name

Certify this inspection to be true, Today's Date and Time: <u>6/26/06</u> 7:30 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of H2S walk around:

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

Results of Monitor Tube Inspection: _____

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

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

ok

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

6K

I <u>Ben h Honfales</u> Certify this inspection to be true, Signed Name <u>Ben L Conzales</u> Printed Name Today's Date and Time: 2/2/06 7:30 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:_____

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

Results of Monitor Tube Inspection: /"

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

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

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

 I Signed Name
 Signed Name
 Ben L Conzales
 Printed Name

 Certify this inspection to be true,
 Today's Date and Time:
 2 / 16 / 06
 16:00 AM

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: ____/"

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

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

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

_____ Signed Name <u>Ben 1. Contures</u> Printed Name

Certify this inspection to be true, Certify this inspection to be true, Today's Date and Time: <u>2/22/06</u> 7.30 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: /"

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

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

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

1 ben & Hon

 I <u>Ben F Benfoln</u>
 Signed Name <u>Ben L Conzeles</u>
 Printed Name

 Certify this inspection to be true,
 Today's Date and Time:
 3 / 2 / 0 / 6
 7:30 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: ____/"

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

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

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

I <u>Ken F. Monfelo</u> Certify this inspection to be true, Today's Date and Time: <u>3/19/05</u> 7:30 Am

BENSON-MONTIN	-GREER D	RILLING	CORP.
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NMOCD RULE 711 PERMIT NM-02-004 (Located @	NW/4, T25N,	, R1E, NMPM	, Rio Arriba
County.)			•	

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: ____/"

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

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

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

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L<u>Bent Employ</u> Certify this inspection to be true, Today's Date and Time: <u>J/22/06</u> 7.30 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around: Θ

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

Results of Monitor Tube Inspection: /"

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

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

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

Signed Name Ben L Gonzales Printed Name Certify this inspection to be true, Today's Date and Time: 3/30/06 7:30 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: /"

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

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

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

Removed weeds from Bern.

Signed Name Ben L Comzales Printed Name

Certify this inspection to be true, Certify this inspection to be true, Today's Date and Time: <u>4/3/06</u> 2:00 pm

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:______

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

Results of Monitor Tube Inspection: /"

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

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

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

1 Bent Im I <u>Sent Zon</u> Certify this inspection to be true,

Signed Name <u>Ben L Genzales</u> Printed Name

Today's Date and Time: <u>4/13/06</u> 7:30 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: _____

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

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

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

I <u>Ben I dompales</u> Certify this inspection to be true,

Signed Name <u>Ben LGONZALES</u> Printed Name

Certify this inspection to be true, Today's Date and Time: <u>4/20/06</u> 7:30 AM

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of H2S walk around:

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

Results of Monitor Tube Inspection: _//

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

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

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

I <u>Ben F. Conference</u> Certify this inspection to be true, Today's Date and Time: <u>4/27/06</u> 7:30 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: /"

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

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

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

I <u>Ben Elloyala</u> Signed Name <u>Ben L Conzales</u> Printed Name Certify this inspection to be true, Today's Date and Time: <u>5/2/06</u> 7:30Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: _/"

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

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

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

 I
 Ben f
 Signed Name
 Ben f
 Conzales
 Printed Name

 Certify this inspection to be true,
 Signed Name
 Ben f
 Conzales
 Printed Name

 Today's Date and Time:
 SIMILOG
 11:00 Am
 Signed Name
 Signed Name

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: _____

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

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

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

Certify this inspection to be true,

_____ Signed Name Ben L Conzales Printed Name

Today's Date and Time: 5/17/06 9:00Am

DENIGONI MONITINI COFED DO		
BENSON-MONTIN-GREER DR NMOCD RULE 711 PERMIT NM-02- County.)	-004 (Located @ NW/4, T25N, R1E, NI	MPM, Rio Arriba
Evaporation Impoundment Week	dy Inspection and Significant Ever	nt Report*.
* A significant event is any event such as tank area, pump area, spray evaporation a	a storm or mishap that may cause damage area, or leak detection monitor.	to the impoundment,
Results of H2S walk around:	+	
(Refer to permit if H2S is measured fo	or action to be taken.)	
Results of Monitor Tube Inspection: _	/″	
(Refer to permit if water level is a con	cern for action to be taken.)	
General Condition of the Impoundments taken to correct:	nt Levee – Note any erosion or slough p	roblems and action
Impoundment Fluid Level	k, Pump Leak Containment, Spray Evaj eds או Berm	poration System, and
·····		· · · · · · · · · · · · · · · · · · ·
I Ben L Compales	Signed Name Ben Pelonele	Printed Name

NMOCD	RULE 71	1 PERMIT	NM-02-004	(Located @) NW/4, '	T25N, R1E	L, NMPM,	Rio Arriba
County.)								

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of H2S walk around:

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

Results of Monitor Tube Inspection: ______

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

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

OK

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

Fluid level below 2' MArker.

I <u>Ben L Conzoles</u> Signed Name <u>Ben L Hompele</u> Printed Name Certify this inspection to be true,

Today's Date and Time: 6/2/06 9:30 Am

BENSON-MONTIN-GREER DRILLING CORP. NMOCD RULE 711 PERMIT NM-02-004 (Located @ NW/4, 7 County.)	Γ25N, R1E, NMPM, Rio Arriba
Evaporation Impoundment Weekly Inspection and Sign	nificant Event Report*.
* A significant event is any event such as a storm or mishap that may tank area, pump area, spray evaporation area, or leak detection mon	
Results of H2S walk around:	
(Refer to permit if H2S is measured for action to be taken.)	
Results of Monitor Tube Inspection:///	
(Refer to permit if water level is a concern for action to be take	n.)
General Condition of the Impoundment Levee – Note any erosid taken to correct:	on or slough problems and action
General Condition of Berm and Tank, Pump Leak Containmer Impoundment Fluid Level. <u>All</u> ok	nt, Spray Evaporation System, and
	· · · · · · · · · · · · · · · · · · ·
I <u>Ben L Compoles</u> Signed Name <u>Len</u> Certify this inspection to be true, Today's Date and Time: <u>L 18106</u> 8:0000000	1 Horfach Printed Name

	and the second
· (
BENSON-MONTIN-GREER DRILLIN NMOCD RULE 711 PERMIT NM-02-004 (La County.)	NG CORP. Located @ NW/4, T25N, R1E, NMPM, Rio Arriba
Evaporation Impoundment Weekly Insp	pection and Significant Event Report*.
* A significant event is any event such as a storm ank area, pump area, spray evaporation area, or	or mishap that may cause damage to the impoundment, leak detection monitor.
Results of H2S walk around:	
(Refer to permit if H2S is measured for action	n to be taken.)
Results of Monitor Tube Inspection:/	,
(Refer to permit if water level is a concern for	r action to be taken.)
General Condition of the Impoundment Leve taken to correct:	e – Note any erosion or slough problems and action
Impoundment Fluid Level	D Leak Containment, Spray Evaporation System, and By System MI at
I <u>Ben 1 Gonzales</u> Sign Certify this inspection to be true, Today's Date and Time: <u>6/13/0</u>	ned Name <u>Bent Hall</u> Printed Name

BENSON-MONTIN-GREER DRILLING CORP. NMOCD RULE 711 PERMIT NM-02-004 (Located @ NW/4, T County.)	25N, R1E, NMPM, Rio Arriba
Evaporation Impoundment Weekly Inspection and Sign	ificant Event Report*.
* A significant event is any event such as a storm or mishap that may ank area, pump area, spray evaporation area, or leak detection monit	
Results of H2S walk around:	· · · · · · · · · · · · · · · · · · ·
(Refer to permit if H2S is measured for action to be taken.)	
Results of Monitor Tube Inspection:/''	
(Refer to permit if water level is a concern for action to be taken	ı.)
General Condition of the Impoundment Levee – Note any erosio taken to correct: ok	n or slough problems and action
General Condition of Berm and Tank, Pump Leak Containmen Impoundment Fluid Level. った	t, Spray Evaporation System, and
	· · · · · · · · · · · · · · · · · · ·
I <u>Ben 1 Conzules</u> Signed Name <u>ben 7</u> Certify this inspection to be true, Today's Date and Time: <u>6/23/06</u> <u>3:00pm</u>	Horych Printed Name

生きの

NMOCD RULE 711 PERMIT NM-02-004 (Located @) NW/4, T	25N, R1E,	NMPM, F	lio Arriba
County.)					

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: ____/''_____

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

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

ok

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

life TANK heater 94°

1 <u>Ben L Conzales</u> Signed Name <u>Sen E Housales</u> Printed Name Certify this inspection to be true, Today's Date and Time: <u>4/27/06</u> 10:00 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: ____/"

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

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

DK.

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

ok

I <u>Ben L Conzales</u> Signed Name <u>Ben Felorfol</u> Printed Name Certify this inspection to be true, Today's Date and Time: <u>2/3/06</u> 8:00 cm

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

Results of Monitor Tube Inspection: ____//

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

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

ok

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

ok

I ______ Signed Name ______ Printed Name Certify this inspection to be true,

Today's Date and Time: 7/12/06 10:00 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of H2S walk around:

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

Results of Monitor Tube Inspection:

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

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

ok

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

New Paint Fluidlevel Marker.

I <u>Ben L Conzules</u> Certify this inspection to be true, Today's Data and Times

····

Printed Name

Today's Date and Time: 2/18/06 8:00 Am

NMOCD RULE 711 PERMIT NM-02-004 (Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)
Evaporation Impoundment Weekly Inspection and Significant Event Report*.
* A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor.
Results of H2S walk around:
(Refer to permit if H2S is measured for action to be taken.)

Results of Monitor Tube Inspection: ____/"

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

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

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

OK

I <u>Ben Lomzeles</u> Signed Name <u>ben for the Printed Name</u> Certify this inspection to be true, Today's Date and Time: <u>7/27/06</u> 8:00 Am

NMOCD RULE 711 PERMIT NM-02-0	04 (Located	@ NW/4, T251	N, R1E, NMPM,	Rio Arriba
County.)				

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of H2S walk around:

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

Results of Monitor Tube Inspection: ///

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

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

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

ok

1 <u>Ben L Conzales</u> Signed Name <u>Ben F Restant</u> Printed Name Certify this inspection to be true, Today's Date and Time: <u>8/1106</u> 7:00Am

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BENSON-MO	NTIN-GREER DRIL	LING CORP.	
MOCD RULE			[25N, R1E, NMPM, Rio Arriba
County.)			
Evaporation I	mpoundment Weekly	Inspection and Sign	nificant Event Report*.
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General Conditi Impoundment F		ump Leak Containme	nt, Spray Evaporation System, and
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Ben F 2		_Signed Name	Printed Name
	pection to be true, ad Time: <u><u>8/9/06</u></u>	4	
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NMOCD RULE 711 PERMIT NM-02-004 (Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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Results of Monitor Tube Inspection: /"

OK

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

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

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

 I Ben I Honful
 Signed Name Ben L Conzeles
 Printed Name

 Certify this inspection to be true,
 Today's Date and Time:
 \$/14/06
 8:00 Am

BENSON-MONTIN-GREER DRILLING CORP. NMOCD RULE 711 PERMIT NM-02-004 (Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)
Evaporation Impoundment Weekly Inspection and Significant Event Report*.
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(Refer to permit if H2S is measured for action to be taken.)
Results of Monitor Tube Inspection: _/"
(Refer to permit if water level is a concern for action to be taken.)
General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:
General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.
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I <u>Ben I Horfdu</u> Certify this inspection to be true, Today's Date and Time: <u>8/24/06</u> Bigned Name <u>Ben L Gonzales</u> Printed Name

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of Monitor Tube Inspection: ____/

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

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

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

ok _____

I <u>Ren l'Homflu</u> Certify this inspection to be true, Signed Name <u>Ben L Convertes</u> Printed Name

Today's Date and Time: 8/29/06 8:00tm

BENSON-MONTIN-GREER DRILLING CORP. NMOCD RULE 711 PERMIT NM-02-004 (Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.)
Evaporation Impoundment Weekly Inspection and Significant Event Report*.
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(Refer to permit if H2S is measured for action to be taken.)
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General Condition of the Impoundment Levee – Note any erosion or slough problems and action taken to correct:
General Condition of Berm and Tank, Pump Leak Containment, Spray Evaporation System, and Impoundment Fluid Level.
I <u>Ben L Conful</u> Certify this inspection to be true, Today's Date and Time: <u>915106</u> 8:00 MM

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NMOCD RULE 711 PERMIT NM-02-004 (Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.) Evaporation Impoundment Weekly Inspection and Significant Event Report*. * A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor. Results of H2S walk around:	
NMOCD RULE 711 PERMIT NM-02-004 (Located @ NW/4, T25N, R1E, NMPM, Rio Arriba County.) Evaporation Impoundment Weekly Inspection and Significant Event Report*. * A significant event is any event such as a storm or mishap that may cause damage to the impoundment, tank area, pump area, spray evaporation area, or leak detection monitor. Results of H2S walk around:	
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Today's Date and Time: <u>9/13/06 2:00 pm</u>	Signed Hame Den L (BUH/AVES I Hinted Hame

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of H2S walk around:

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Results of Monitor Tube Inspection: ____/"_____

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

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

ok

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

DK

I Ben F Hon

Signed Name <u>Ben L Gonzales</u> Printed Name

Certify this inspection to be true, Today's Date and Time: <u>9/19/86</u>

NMOCD	RULE 711	PERMIT	NM-02-004	(Located 🤅	a) NW/4,	T25N, I	R1E, NM	PM, Ric	Arriba
County.)									

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of H2S walk around:

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

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

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

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____ Signed Name <u>Ben L Coonzales</u> Printed Name

Certify this inspection to be true, Today's Date and Time: <u>9/28/06</u>

BENSON-MONTIN-GREER		I, T25N, R1E, NMPM, R	io Arriba
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BENSON-MONTIN-GREER MOCD RULE 711 PERMIT NM County.)	R DRILLING CORP. 1-02-004 (Located @ NW/4, T25N, R1E, NMPM, Rio Arriba
Evaporation Impoundment V	Veekly Inspection and Significant Event Report*.
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Ben & Honfolio	Signed Name <u>Ben & Conzeles</u> Printed Nam

NMOCD RULE 711 PERMIT NM-0	2-004 (Located @) NW/4, T25N, R1F	E, NMPM, Rio Arriba
County.)			

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

Results of Monitor Tube Inspection: /"

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

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

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

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1 Bon & Honfd

Signed Name <u>Ben L Compares</u> Printed Name n to be true,

Certify this inspection to be true, Today's Date and Time: 10/16/06 8:00 Am

NMOCD	RULE 711	PERMIT N	NM-02-004	(Located	@ NW/4,	T25N, I	RIE, NI	MPM, F	Rio A	rriba
County.)										

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

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

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Signed Name <u>Ben L Conzales</u> Printed Name rue,

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

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

Signed Name <u>Ben L Gonzales</u> Printed Name

Certify this inspection to be true, Today's Date and Time: 11/1/86 18:00 Am

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

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

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Signed Name <u>Leonea les</u> Printed Name

Certify this inspection to be true, Today's Date and Time: //////16 8:00Am

BENSON-MONTIN-GREER DRILLING CORP. NMOCD RULE 711 PERMIT NM-02-004 (Located @ NW/4, T County.)	25N, R1E, NMPM, Rio Arriba
Evaporation Impoundment Weekly Inspection and Sign	ificant Event Report*.
* A significant event is any event such as a storm or mishap that may tank area, pump area, spray evaporation area, or leak detection monit	
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General Condition of Berm and Tank, Pump Leak Containmen Impoundment Fluid Level.	it, Spray Evaporation System, and
I <u>Signed Name</u> Certify this inspection to be true, Today's Date and Time: /////3/26 /// DDAm	<u>Conzales</u> Printed Name
Certify this inspection to be true, Today's Date and Time: /////3/26 11:00Am	<u>rinted</u>

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

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

ok

 I <u>bent Monfalus</u>
 Signed Name <u>Ren L Conzales</u>
 Printed Name

 Certify this inspection to be true,
 Today's Date and Time:
 11/21/06
 1:00 pm

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

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ok

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

SK

 I Ken K Homfelen
 Signed Name Ben Lbonzales
 Printed Name

 Certify this inspection to be true,
 Today's Date and Time:
 12/1/06
 4/15 pm

NMOCD RULE 711 PERMIT NM-02-004 ((Located @) NW/4,	T25N, I	R1E, N	MPM, 1	Rio A	Arriba
County.)							

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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Results of Monitor Tube Inspection: ____/'

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

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

Honfor

Signed Name <u>Ben L Conzales</u> Printed Name

Certify this inspection to be true, Today's Date and Time: 12/11/06 10:00 km

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

Evaporation Impoundment Weekly Inspection and Significant Event Report*.

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

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

OK

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

TANK Down for Repair.

ton

_____ Signed Name <u>Ben & Conceles</u> Printed Name

Certify this inspection to be true, Today's Date and Time: 12/22/06

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

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Results of Monitor Tube Inspection:

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

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

_____ Signed Name <u>Ben L Conzeles</u> Printed Name

Certify this inspection to be true, Today's Date and Time: 12/28/06

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January 30, 2006		
Ms. Martyne J. Kieling NMOCD Environment Bureau 1220 S. St. Francis Drive Santa Fe, NM 87505		

Re: 2005 ANNUAL REPORT CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY, PERMIT No. NM-02-0004 Section 20, Township 25 North, Range 1 East, Rio Arriba County

Dear Ms. Kieling:

BMG

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Please find enclosed the referenced annual report for 2005. A copy of a May 15, 2005 letter from Mr. Ed Martin approving temporary suspension of our landfarm monitoring until such time as we begin accepting waste is also included. BMG began accepting waste on November 1, 2005 and resumed monitoring at that time. Since discing the farm on November 22 the soil has been too frozen for additional discing. We have scheduled Animas Environmental to resume quarterly soil testing and will resume discing when the soil is thawed.

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

Sincerely,

Aluoud

Mike Dimond President

Cc: NMOCD, Aztec; File

Monthly Eva	poration Impoundment Mo	nitor Tube F	luid Levels.
For Calenda	r Year January <u>05</u>	to Decem	ber <u>05</u>
Date	Monitor Reading Taken by:	Level (Inches)	Change in fluid level from prior Month (Inches)
an- 5	Pearl Trujille		· · · · · · · · · · · · · · · · · · ·
5eb- 7	Pearl Trujil	lo- 1"	
Mar- 2	Pearl Truji	20-1"	-
Apr- 2	Pearl Trujil	Q-1"	
May- 2	Bent Honf des	1"	-
iun- 2	Bent Honglet	,"	-
<u>ul- 5</u>	Ben & Honfol	<i>,</i> "	-
Aug- <u>2</u>	Ben & Horf L	111	-
Sep- 2	bant How t	," 	-
Det- 3	Ben F Hord L	,"	-
Nov- 4	Ben I Gonfah	,11	-
Dec- 5	Bent How L	11	-

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Mark E. Fesmire, P.E. Director Oil Conservation Division

May 16, 2005

Mr. Mike Dimond Benson-Montin-Greer Drilling Corp. 4900 College Blvd. Farmington, NM 87402

Re: Benson-Montin-Greer Drilling Corp. Centralized Waste Management Facility, NMOCD Permit No. NM-02-0004

Dear Mr. Dimond:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed your March 24, 2005 treatment zone monitoring report for the above facility.

Your request included in the May 10, 2005 cover letter for the above report to discontinue quarterly sampling is approved. This approval will remain in effect until Benson-Montin-Greer begins to utilize the landfarm again. It is understood that no waste has been accepted into the facility for some time, and that no waste is currently being accepted. Should these conditions change, Benson-Montin-Greer must notify the NMOCD that they are again accepting wastes, and resume quarterly and annual monitoring as required by the permit shown above.

If you have any question, contact me at (505) 476-3492 or emartin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

& Martin

Ed Martin Environmental Bureau

cc: NMOCD, Aztec

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

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

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

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

 $\frac{Cell \# J = O. k.}{Cell \# J = O. k.}$ Cell # J = O. k. Cell # J = O. k.

Amount of New Material and Where: 60 yards from the Price Fact#1 on cell#3 on Nourmbur 1, 2005

#

Number

80 yards also from the trice Specific date of Disking of soil and Which Cell:

Cell #3 was disked on November 1,2005 Cell #3 was disked on November 2,2005.

General points:

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

I tearl Trujello	Signed Name Pear [Iruiillo Printed Name
Certify this inspection to be true, Today's Date and Time: Nour b	Der 7,2005 4:30 PM

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

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

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

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

<u>Cell#1-0.k.</u> <u>Cell#2-0.k.</u> <u>Cell#3-0.k.</u> <u>Cell#4-0.k.</u>

Amount of New Material and Where:

10 yards from EPCMV on November 22, 2005

Specific date of Disking of soil and Which Cell: Cell #3 ups disked on November 22,2005

General points:

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

Pearl Truiselo	_Signed Name <u>Fe</u>	arl Trufillo Printed Name	
Certify this inspection to be true, Today's Date and Time: Decem	ber 7, 2005	5 4:45 PM	

Animas Environmental Services, LLC

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

May 6, 2005

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

RE: Results of March, 2005, Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On March 24, 2005, 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. This was the fourth quarterly monitoring and sampling event at the facility.

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 between 2.25 feet and 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 before 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 have been 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 be inactive.

Laboratory analytical 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.

Based upon a March 24, 2005, telephone conversation between BMG and the OCD, no additional quarterly monitoring and sampling is required at this time, since the landfarm is not currently being used. However, in the event that contaminated soils are placed within any of the treatment cells, the OCD will need to be notified and quarterly monitoring and sampling will resume.

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.

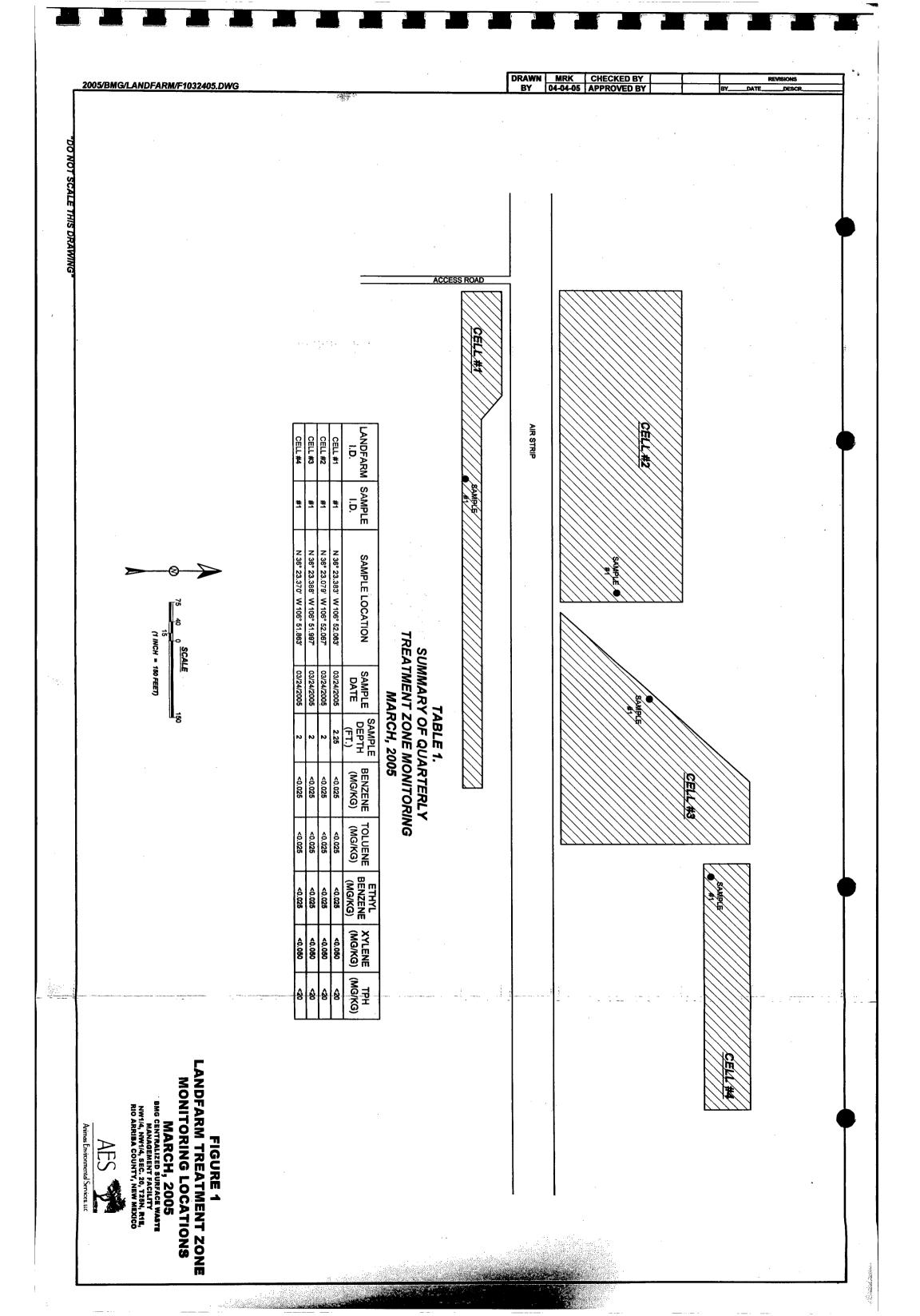
Sincerely,

n Ker

Ross Kennemer Project Manager

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

Files/2005/BMG/Landfarm Sampling/gcbmg050605.doc





Pinnacle Lab ID number March 31, 2005 503213

ANIMAS ENVIRONMENTAL SERVICES 624 EAST COMMANCHE FARMINGTON, NM 87401

Project Name Project Number LANDFARM SAMPLING BMG

Attention: ROSS KENNEMER

On 03/25/2005 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



CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 503213
PROJECT #	: BMG	DATE RECEIVED	: 03/25/2005
PROJECT NAME	: LANDFARM SAMPLING	REPORT DATE	: 03/31/2005
PINNACLE			DATE
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
503213 - 01	CELL #1 @ 2.5'	NON-AQ	03/24/2005
503213 - 02	CELL #2 @ 2'	NON-AQ	03/24/2005
503213 - 03	CELL #3 @ 2'	NON-AQ	03/24/2005
503213 - 04	CELL #4 @ 2'	NON-AQ	03/24/2005



GENERAL CHEMISTRY RESULTS 418.1

CLIENT PROJECT PROJECT	# :	ANIMAS ENVIRONMENTAL BMG LANDFARM SAMPLING	D. √ED	: 503213 : 03/25/2005 : BP		
SAMPLE			DATE	DATE	DATE	DIL.
D. # -01	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
-01	CELL #1 @ 2.5'	NON-AQ	03/24/2005	03/28/2005	03/28/2005	1
02	CELL #2 @ 2'	NON-AQ	03/24/2005	03/28/2005	03/28/2005	1
D3	CELL #3 @ 2'	NON-AQ	03/24/2005	03/28/2005	03/28/2005	. 1
PARAMET	ER	DET. LIMIT	UNITS	CELL #1 @ 2.5'	CELL #2 @ 2'	CELL #3 @ 2'
PETROLE	UM HYDROCARBO	DNS 20	MG/KG	< 20	< 20	< 20

CHEMIST NOTES:

N/A



GENERAL CHEMISTRY RESULTS 418.1

CLIENT PROJEC PROJEC		: ANIMAS ENVIRONMENTAL : BMG : LANDFARM SAMPLING	SERVIC ES	PINNACLE I.E DATE RECEIV ANALYST		: 503213 : 03/25/2005 : BP
SAMPLE		· · · · · · · · · · · · · · · · · · ·	DATE	DATE	DATE	DIL.
D. # -04	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
-04	CELL #4 @ 2'	NON-AQ	03/24/2005	03/28/2005	03/28/2005	1
PARAMETER		DET. LIMIT	UNITS	CELL #4 @ 2'		
PETROLI	EUM HYDROCAR	BONS 20	MG/KG	< 20	· · · · · · · · · · · · · · · · · · ·	<u>.</u>

CHEMIST NOTES:



GENERAL CHEMISTRY - REAGENT BLANK 418.1

CLIENT	: ANIMA	S ENVIRONMEN	TAL SERVICE	ES		PINNACLE I.D.	: 503213
PROJECT #	: BMG					SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: LANDF	ARM SAMPLING				UNITS	: MG/KG
λ.,		REAGENT	SAMPLE	DATE			
PARAMETER		BLANK I.D.	RESULT	ANALYZED	ANALYST		•
PETROLEUM HYDRO	CARBONS	032805	<20	03/28/05	BP		

CHEMIST NOTES: N/A



GENERAL CHEMISTRY - QUALITY CONTROL LCS/LCSD

TEST :	418.1				PINNACLE	I.D.	:	503213	
LCS/LCSD # :	032 805				DATE EXTR	RACTED	:	03/28/2 005	
CLIENT :	ANIMAS EN	/IRONMEN	TAL SERVICE	S	DATE ANAI	YZED	:	03/28/2005	
PROJECT # :	BMG				SAMPLE M	ATRIX	:	NON-AQ	
PROJECT NAME :	LANDFARM	SAMPLING			UNITS		:	MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
PETROLEUM HYDROCARBONS	s <20	30 3	276	91	269	89	3	(75 - 125)	20

X 100

CHEMIST NOTES: N/A

% Recovery =

(Spike Sample Result - Sample Result)

------ X 100

Spike Concentration

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

Average Result



GENERAL CHEMISTRY - QUALITY CONTROL MS/MSD

EST	: 418.1				PINNACLE	I.D.	:	503213	
	: 503213-02				DATE EXTR	RACTED	:	03/28/2005	
CLIENT	: ANIMAS EN	IRONMEN	TAL SERVICE	s	DATE ANAL	YZED	:	03/28/2005	
ROJECT #	: BM G				SAMPLE M	ATRIX	:	NON-AQ	
ROJECT NAME	: LANDFARM	SAMPLING			UNITS		:	MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
ARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
ETROLEUM HYDROCARBON	S <20	303	319	105	354	117	10	(75 - 125)	20

HEMIST NOTES:

I/A

(Spike Sample Result - Sample Result)

Recovery = ------ X 100

Spike Concentration

(Sample Result - Duplicate Result)

X 100

PD (Relative Percent Difference) =

Average Result



GAS CHROMATOGRAPHY RESULTS

TEST		: EPA 8021B - ME			J		
CLIENT		: ANIMAS ENVIR				INNACLE I.D.	: 503213
PROJECT #	ł	: BMG			•	ANALYST	
PROJECT N		: LANDFARM SAI	MPLING				
SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	CELL #1 @ 2.5	5'	NON-AQ	03/24/2005	NA	03/29/2005	1
02	CELL #2 @ 2'		NON-AQ	03/24/2005	NA	03/29/2005	1
03	CELL #3 @ 2'		NON-AQ	03/24/2005	NA	03/29/2005	1
PARAMETE	R	DET. LIMIT	UN	NITS	CELL #1 @ 2.5'	CELL #2 @ 2'	CELL #3 @ 2'
BENZENE		0.025	MO	G/KG	< 0.025	< 0.025	< 0.025
TOLUENE		0.025	MO	3/KG	< 0.025	< 0.025	< 0.025
ETHYLBEN	ZENE	0.025	MO	3/KG	< 0.025	< 0.025	< 0.025
TOTAL XYL	ENES	0.0 50	MO	3/KG	< 0.050	< 0.0 50	< 0.0 50
SURROGAT	TE:						
	JOROEENZENE	E (%) (80 - 120)			97	97	96
DRY WEIGH		(00-120)		:	83	92	84
a.				•			

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 8021B - MI	ETHANOL PF	RESERVATION	N		
CLIENT	: ANIMAS ENVIR	ONMENTAL	SERVICES	P	INNACLE I.D. :	503213
PROJECT #	: BMG				ANALYST :	BP
PROJECT NAME	: LANDFARM SA	MPLING				
SAMPLE			DATE	DATE	DATE	DIL.
ID. # CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
04 CELL #4 @ 2'		NON-AQ	03/24/2005	NA	03/29/2005	1
PARAMETER	DET. LIMIT		NITS	CELL #4 @ 2'		
BENZENE	0.025		G/KG	< 0.025		
TOLUENE	0.025		G/KG	< 0.025		
ETHYLBENZENE	0.025	M	G/K G	< 0.025		
TOTAL XYLENES	0.05 0	M	G/K G	< 0.050		
SURROGATE:			*			
BROMOFLUOROBENZENE	= (%)			99		
SURROGATE LIMITS	(80 - 120)					
DRY WEIGHT (%)	(00 120)			80		
CHEMIST NOTES:	,				~	
N/A						
				·		



GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

TEST	: EPA 8021B	PINNACLE I.D.	:	503213
BLANK I. D.	: 032805	DATE EXTRACTED	:	N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	:	03/28/2005
PROJECT#	: BM G	SAMPLE MATRIX	:	FP
PROJECT NAME	: 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:				
		07		

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

97



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH # CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 032805 : ANIMAS ENV : BMG : LANDFARM \$			S	PINNACLE DATE EXTR DATE ANAL SAMPLE M/ UNIT S	ACTED YZED	::	503213 N/A 03/28/2005 FP MG/KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKE D SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.03	103	1.02	102	1	(80-120)	20
TOLUENE	<0.025	1.00	1.04	104	1.04	104	0	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.03	103	1.03	103	0	(80 - 120)	20
TOTAL XYLENES	<0.0 50	3.00	3.12	104	3.11	104	0	(80 - 120)	20

CHEMIST NOTES:

N/A

% Recovery = -

(Spike Sample Result - Sample Result)

Spike Concentration

(Sample Result - Duplicate Result)

X 100

RPD (Relative Percent Difference) =

Average Result



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST MSMSD # CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 503213-02 : ANIMAS ENV : BMG : LANDFARM S			S	PINNACLE DATE EXTF DATE ANAL SAMPLE M UNITS		::	503213 N/A 03/29/2005 FP MG/KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.01	101	1.06	106	5	(80 - 120)	20
TOLUENE	<0.025	1.00	1.04	104	1.08	108	4	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.03	103	1.07	107	4	(80 - 120)	20
TOTAL XYLENES	<0.0 50	3.00	3.08	103	3. 23	108	5	(80 - 120)	20

--- X 100

CHEMIST NOTES:

N/A

(Spil

(Spike Sample Result - Sample Result)

% Recovery =

Spike Concentration

(Sample Result - Duplicate Result)

----- X 100

RPD (Relative Percent Difference) =

Average Result

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Mark E. Fesmire, P.E. Director Oil Conservation Division

May 16, 2005

Mr. Mike Dimond Benson-Montin-Greer Drilling Corp. 4900 College Blvd. Farmington, NM 87402

Re: Benson-Montin-Greer Drilling Corp. Centralized Waste Management Facility, NMOCD Permit No. NM-02-0004

Dear Mr. Dimond:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed your March 24, 2005 treatment zone monitoring report for the above facility.

Your request included in the May 10, 2005 cover letter for the above report to discontinue quarterly sampling is approved. This approval will remain in effect until Benson-Montin-Greer begins to utilize the landfarm again. It is understood that no waste has been accepted into the facility for some time, and that no waste is currently being accepted. Should these conditions change, Benson-Montin-Greer must notify the NMOCD that they are again accepting wastes, and resume quarterly and annual monitoring as required by the permit shown above.

If you have any question, contact me at (505) 476-3492 or <u>emartin@state.nm.us</u>

NEW MEXICO OIL CONSERVATION DIVISION

ll Martin

Ed Martin Environmental Bureau

cc: NMOCD, Aztec

May 10, 2005

Mr. Ed Martin NMOCD Environmental Bureau 1220 S. St. Francis Drive Santa Fe, NM 87505

Re: Benson-Montin-Greer Drilling Corp. Centralized Waste Management Facility Permit No. NM-02-0004

Dear Mr. Martin:

Enclosed is March 24, 2005 treatment zone monitoring report from Animas Environmental, LLC. This report indicates clean samples and as per our telephone conversation of March 24, 2005 we request we be allowed to discontinue quarterly sampling until such time as contaminated soils are placed in any of the cells. We do not wish to close the permit, merely to discontinue sampling until contaminated soils are placed in a cell.

Sincerely,

Whe buroud

Mike Dimond Vice President

Animas Environmental Services, LLC

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

May 6, 2005

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

RE: Results of March, 2005, Treatment Zone Monitoring at BMG's Centralized Surface Waste Management Facility, Rio Arriba County, New Mexico

Dear Mr. Dimond:

On March 24, 2005, 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. This was the fourth quarterly monitoring and sampling event at the facility.

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 between 2.25 feet and 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 before 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 have been 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 be inactive.

Laboratory analytical 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.

Based upon a March 24, 2005, telephone conversation between BMG and the OCD, no additional quarterly monitoring and sampling is required at this time, since the landfarm is not currently being used. However, in the event that contaminated soils are placed within any of the treatment cells, the OCD will need to be notified and quarterly monitoring and sampling will resume.

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.

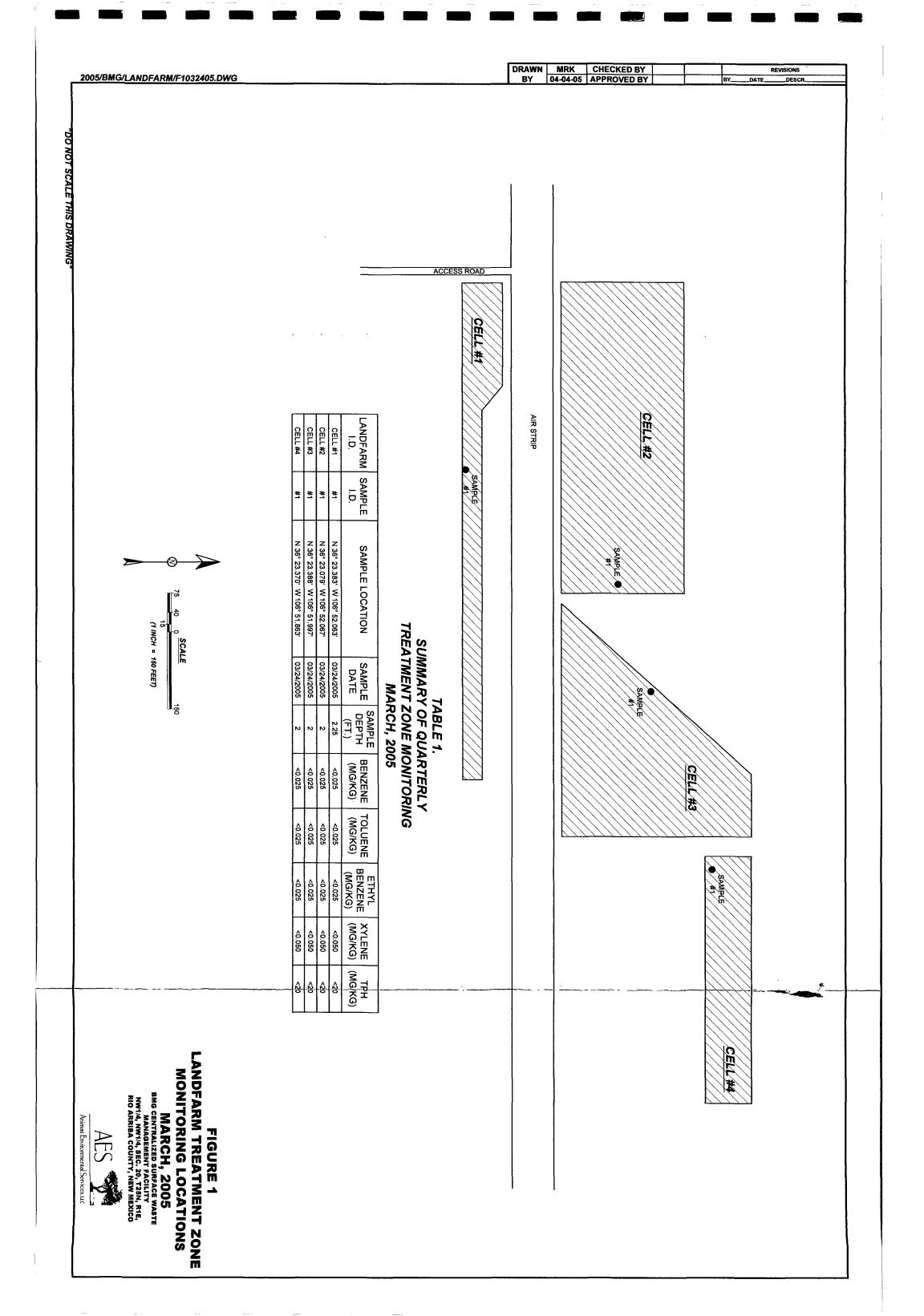
Sincerely,

n Ker

Ross Kennemer Project Manager

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

Files/2005/BMG/Landfarm Sampling/gcbmg050605.doc



Pinnacle Lab ID number March 31, 2005 503213

ANIMAS ENVIRONMENTAL SERVICES 624 EAST COMMANCHE FARMINGTON, NM 87401

Project Name LANDFARM SAMPLING Project Number BMG

Attention: ROSS KENNEMER

On 03/25/2005 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



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	: ANIMAS ENVIRONMENTAL SERVICES		: 503213
PROJECT # PROJECT NAME	:BMG :LANDFARM SAMPLING	DATE RECEIVED REPORT DATE	: 03/25/2005
PINNACLE	. LAINDEARIN SAMELING	REFORTDATE	: 03/31/2005 DATE
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
03213 - 01	CELL #1 @ 2.5'	NON-AQ	03/24/2005
303213 - 02	CELL #2 @ 2'	NON-AQ	03/24/2005
503213 - 03	CELL #3 @ 2'	NON-AQ	03/24/2005
603213 - 04	CELL #4 @ 2'	NON-AQ	03/24/2005

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File: '503213 AES; COVEREP



GENERAL CHEMISTRY RESULTS 418.1

CLIENT ROJECT PROJECT		: ANIMAS ENV : BMG : LANDFARM S		SERVICES	PINNACLE I. DATE RECEI ANALYST	- •	: 503213 : 03/25/2005 : BP
SAMPLE				DATE	DATE	DATE	DIL.
<u>D. #</u>	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
U 1	CELL #1 @ 2.5	5'	NON-AQ	03/24/2005	03/28/2005	03/28/2005	1
02	CELL #2 @ 2'		NON-AQ	03/24/2005	03/28/2005	03/28/2005	1
3	CELL #3 @ 2'		NON-AQ	03/24/2005	03/28/2005	03/28/2005	11
PARAMET	ER		DET. LIMIT	UNITS	CELL #1 @ 2.5'	CELL #2 @ 2'	CELL #3 @ 2'
PETROLE	JM HYDROCARI	BONS	20	MG/KG	< 20	< 20	< 20

HEMIST NOTES:

N/A

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GENERAL CHEMISTRY RESULTS 418.1

LIENT ROJECT PROJECT		: ANIMAS ENVIRONMENTAL : BMG : LANDFARM SAMPLING	SERVICES	PINNACLE I.E DATE RECEIN ANALYST		: 503213 : 03/25/2005 : BP
SAMPLE			DATE	DATE	DATE	DIL.
). #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
4	CELL #4 @ 2'	NON-AQ	03/24/2005	03/28/2005	03/28/2005	1
PARAMET	ER	DET. LIMIT	UNITS	CELL #4 @ 2'		
ETROLE	UM HYDROCAR	BONS 20	MG/KG	< 20		

CHEMIST NOTES: N/A

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GENERAL CHEMISTRY - REAGENT BLANK 418.1

CLIENT ROJECT # PROJECT NAME	: BMG	S ENVIRONMEN		ES		PINNACLE I.D. SAMPLE MATRIX UNITS	: 503213 : NON-AQ : MG/KG
	<u></u>	REAGENT	SAMPLE	DATE			
ARAMETER		BLANK I.D.	RESULT	ANALYZED	ANALYST		
ETROLEUM HYDROC	CARBONS	032805	<20	03/28/05	BP		

CHEMIST NOTES:



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PINACLE LABORATORES

GENERAL CHEMISTRY - QUALITY CONTROL LCS/LCSD

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EST :	418.1				PINNACLE	I.D.	:	503213	
LCS/LCSD # :	032805				DATE EXTR	RACTED	:	03/28/2005	
CLIENT :	ANIMAS EN\	/IRONMEN	TAL SERVICE	S	DATE ANAL	YZED	:	03/28/2005	
PROJECT # :	BMG				SAMPLE M	ATRIX	:	NON-AQ	
PROJECT # : PROJECT NAME :	LANDFARM	SAMPLING			UNITS		:	MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
PETROLEUM HYDROCARBONS	<20	303	276	91	269	89	3	(75 - 125)	20

CHEMIST NOTES:

6 Recovery =

(Spike Sample Result - Sample Result) -----X 100

Spike Concentration

(Sample Result - Duplicate Result)

X 100

RPD (Relative Percent Difference) =

Average Result

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GENERAL CHEMISTRY - QUALITY CONTROL MS/MSD

SMSD #	: 418.1 : 503213-02				PINNACLE DATE EXTR		:	503213 03/28/2005	
CLIENT ROJECT #	: ANIMAS EN\ : BMG	IRONMEN'	TAL SERVICE	5	DATE ANAL SAMPLE M		:	03/28/2005 NON-AQ	
	: LANDFARM	SAMPLING			UNITS		:	MG/KG	
-	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
ETROLEUM HYDROCARBON	S <20	303	319	105	354	117	10	(75 - 125)	20

CHEMIST NOTES:

N/A

Recovery =

(Spike Sample Result - Sample Result)

----- X 100

Spike Concentration

PD (Relative Percent Difference) =

(Sample Result - Duplicate Result)

X 100

Average Result

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GAS CHROMATOGRAPHY RESULTS

ليتعم متحادث مراادك

TEST		: EPA 8021B - ME	THANOL PF	RESERVATION	1		
CLIENT		: ANIMAS ENVIR	ONMENTAL	SERVICES	Р	INNACLE I.D.	: 503213
PROJECT #	¢	: BMG				ANALYST	: BP
PROJECT N	NAME	: LANDFARM SAI	MPLING				
SAMPLE				DATE	DATE	DATE	DIL.
D. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	CELL #1 @ 2.5	5'	NON-AQ	03/24/2005	NA	03/29/2005	1
02	CELL #2 @ 2'		NON-AQ	03/24/2005	NA	03/29/2005	1
D3	CELL #3 @ 2'		NON-AQ	03/24/2005	NA	03/29/2005	1
PARAMETE	R	DET. LIMIT	U	NITS	CELL #1 @ 2.5'	CELL #2 @ 2'	CELL #3 @ 2'
BENZENE		0.025	MG/KG		< 0.025	< 0.025	< 0.025
TOLUENE		0.025	M	G/KG	< 0.025	< 0.025	< 0.025
ETHYLBEN	ZENE	0.025	M	G/KG	< 0.025	< 0.025	< 0.025
TOTAL XYL	ENES.	0.050	M	G/KG	< 0.050	< 0.050	< 0.050
SURROGA	TE:						
	JOROBENZENE	• •			97	97	96
DRY WEIG		(80 - 120)			83	92	84

CHEMIST NOTES: N/A

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GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 8021B - MI						
CLIENT	: ANIMAS ENVIR	ONMENTAL	SERVICES	PI	NNACLE I.D. :	503213	
PROJECT #	: BMG				ANALYST :	BP	
PROJECT NAME	: LANDFARM SA	MPLING					
SAMPLE			DATE	DATE	DATE	DIL.	_
ID. # CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR	
04 CELL #4 @ 2	2'	NON-AQ	03/24/2005	NA	03/29/2005	1	_
PARAMETER	DET. LIMIT	U	NITS	CELL #4 @ 2'			_
BENZENE	0.025	M	G/KG	< 0.025			_
TOLUENE	0.025	M	G/KG	< 0.025			
ETHYLBENZENE	0.025	M	G/KG	< 0.025			
TOTAL XYLENES	0.050	M	G/KG	< 0.050			
_SURROGATE:							
BROMOFLUOROBENZE	NF (%)			99			
SURROGATE LIMITS	(80 - 120)						
DRY WEIGHT (%)	(00 1207			80			
CHEMIST NOTES: N/A							
-							



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GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

TEST BLANK I. D. CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 032805 : ANIMAS ENVIRONMENTAL SERVICES : BMG : LANDFARM SAMPLING	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX ANALYST	: : :	503213 N/A 03/28/2005 FP 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 (%) SURROGATE LIMITS: CHEMIST NOTES: N/A		97		

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GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH # CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 032805 : ANIMAS ENV : BMG : LANDFARM			S	PINNACLE DATE EXTR DATE ANAL SAMPLE M UNITS	RACTED YZED	::	503213 N/A 03/28/2005 FP 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	1.02	102	1	(80 - 120)	20
TOLUENE	<0.025	1.00	1.04	104	1.04	104	0	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.03	103	1.03	103	0	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.12	104	3.11	104	0	(80 - 120)	20

CHEMIST NOTES:

N/A

(Spike Sample Result - Sample Result) % Recovery = ------X 100

Spike Concentration

(Sample Result - Duplicate Result)

----- X 100

RPD (Relative Percent Difference) =

Average Result

المحججيني بيجو فدفو بيرتهم أجيده بالالمان وتاريب



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST MSMSD # CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 503213-02 : ANIMAS EN\ : BMG : LANDFARM			S	PINNACLE DATE EXTR DATE ANAL SAMPLE M/ UNITS	ACTED YZED	•	503213 N/A 03/29/2005 FP MG/KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.01	101	1.06	106	5	(80 - 120)	20
TOLUENE	<0.025	1.00	1.04	104	1.08	108	4	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.03	103	1.07	107	4	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.08	103	3.23	108	5	(80 - 120)	20

CHEMIST NOTES: N/A

% Recovery =

(Spike Sample Result - Sample Result)

----- X 100

Spike Concentration

(Sample Result - Duplicate Result) _____ X 100

RPD (Relative Percent Difference) =

Average Result

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	PROJECT MANAGER:	COMPANY: Animus Environmental ADDRESS: <u>624 E. Commune</u> PHONE: FAX: FAX: BIL TO: BIL TO: COMPANY: ADDRESS: ADDRESS: MET DOTE INF. NUTURE	6] e	e//	N							WEEKEND ANALYSES MAY HESULI IN AN ADDITIONAL SURCHARGE	PROJ. NO.:	PROJ. NAME:	NO	SHIPPED VIA: Bur	ie is in the second sec	NO P	
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BENSON-MONTIN-GREER DRILLING CORP.

January 13, 2005

BMG

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

NM-2-0021

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,

MULAULUIJOUD

Mike Dimond Vice-President

MD/tlp

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







ATTACHMENT I 2004 Treatment Zone Sample Analysis Results

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



August 12, 2004 Page 2 of 2

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.

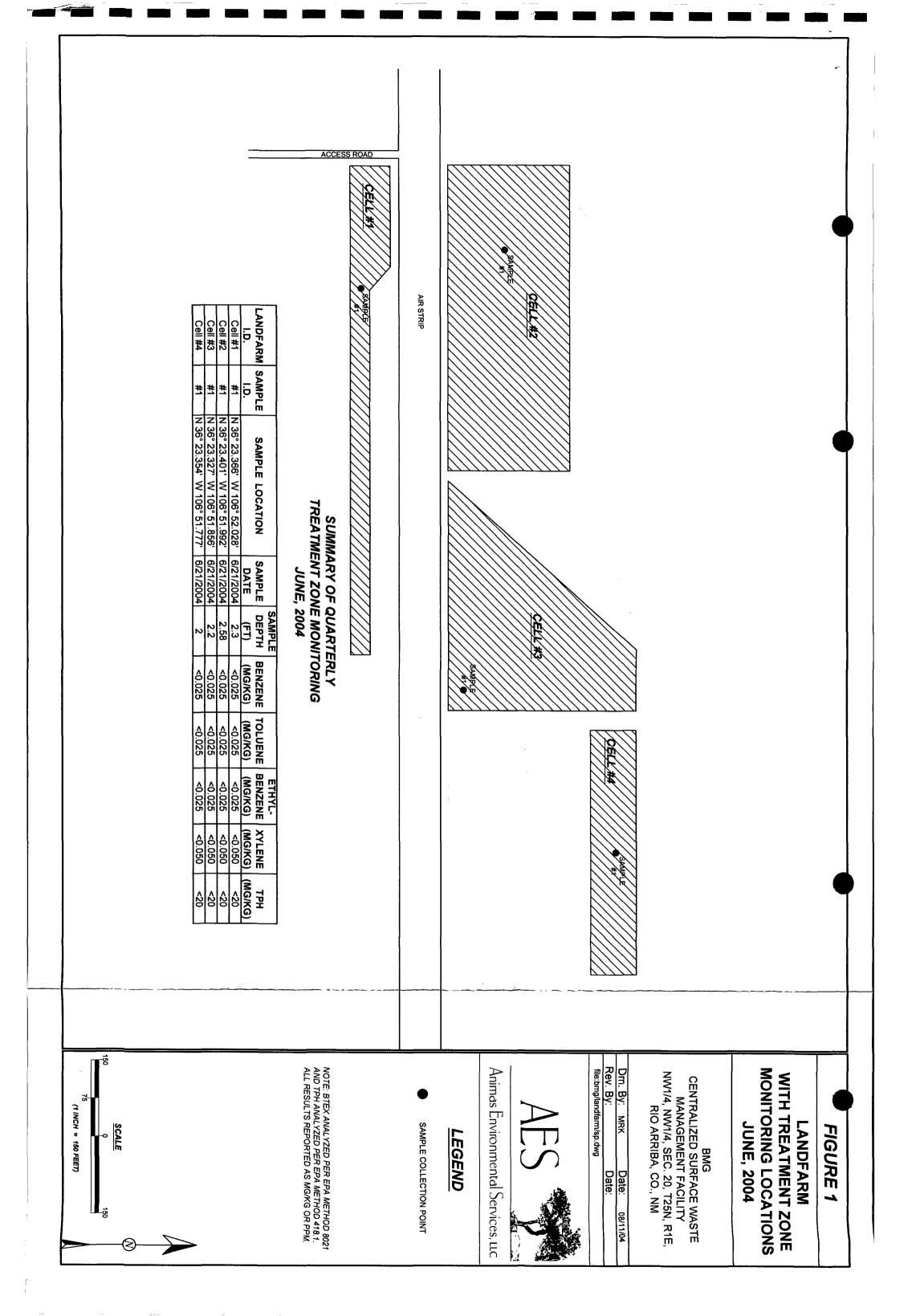
Sincerely,

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kett D. Mardly Elizabeth McNally, PE

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

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





Pinnacle Lab ID number July 06, 2004 406083

ANIMAS ENVIRONMENTAL SERVICES 624 EAST COMMANCHE FARMINGTON, NM 87401

Project Name Project Number BMG LANDFARM SAMPLING 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



IENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 406083
ROJECT #	: 040605	DATE RECEIVED	: 06/22/04
ROJECT NAME	: BMG LANDFARM SAMPLING	REPORT DATE	: 07/06/04
NNACLE			DATE
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
6083 - 01	CELL #1 @ 28" BGS	NON-AQ	06/21/04
6083 - 02	CELL #2 @ 31" BGS	NON-AQ	06/21/04
6083 - 03	CELL #3 @ 26" BGS	NON-AQ	06/21/04
6083 - 04	CELL #4 @ 24" BGS	NON-AQ	06/21/04

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GENERAL CHEMISTRY RESULTS EPA 418.1

CLIENT ROJECT ROJECT		: ANIMAS ENV : 040605 : BMG LANDFA			PINNACLE I. DATE RECE ANALYST		: 406083 : 06/22/04 : BP
SAMPLE				DATE	DATE	DATE	DIL.
. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
51	CELL #1 @ 28	BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1
12	CELL #2 @ 31	" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1
	CELL #3 @ 26	5" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1
PARAMET	ER		DET. LIMIT	UNITS	CELL #1 @ 28" BGS	CELL #2 @ 31" BGS	CELL #3 @ 26" BGS
ETROLE	UM HYDROCAR	BONS	20	MG/KG	< 20	< 20	< 20

CHEMIST NOTES:

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GENERAL CHEMISTRY RESULTS EPA 418.1

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CLIENT FROJECT : PROJECT		: ANIMAS ENVI : 040605 : BMG LANDFA			PINNACLE I.D DATE RECEIV ANALYST		: 406083 : 06/22/04 : BP
SAMPLE				DATE	DATE	DATE	DIL.
#	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
04	CELL #4 @ 24	" BGS	NON-AQ	06/21/04	06/30/04	06/30/04	1
RAMETI	ĒR		DET. LIMIT	UNITS	CELL #4 @ 24" BGS		
TROLEUM HYDROCARBONS			20	MG/KG	< 20		

EMIST NOTES:

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GENERAL CHEMISTRY - REAGENT BLANK EPA 418.1

CLIENT		S ENVIRONMEN	TAL SERVICE	S		PINNACLE I.D.	: 406083
	: 040605					SAMPLE MATRIX	: NON-AQ
FROJECT NAME	: BMG L/	ANDFARM SAMP	LING			UNITS	: MG/KG
	_	REAGENT	SAMPLE	DATE			
RAMETER		BLANK I.D.	RESULT	ANALYZED	ANALYST		
TROLEUM HYDRO	CARBONS	063004	<20	06/30/04	BP		

CHEMIST NOTES:

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EST	: EPA 418.1								
S/LCSD #	: 063004				PINNACLE	I.D.	:	406083	
ENT	: ANIMAS EN\	IRONMEN [®]	TAL SERVICES	3	DATE EXTR	RACTED	:	06/30/04	
PROJECT #	: 040605				DATE ANAL	YZED	:	06/30/04	
	: BMG LANDF	ARM SAMP	LING		SAMPLE M	ATRIX	:	NON-AQ	
					UNITS		:	MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
RAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
TROLEUM HYDROCARBONS	6 <20	254	254	100	244	96	4	(75 - 125)	20

EMIST NOTES:

(Spike Sample Result - Sample Result)

X 100

Spike Concentration

(Sample Result - Duplicate Result)

D (Relative Percent Difference) =

Average Result

X 100

GENERAL CHEMISTRY - QUALITY CONTROL MS/MSD

TEST	: EPA 418.1								
MSD #	: 406083-04				PINNACLE	I.D.	:	406083	
LIENT	: ANIMAS ENV	IRONMEN	TAL SERVICES	3	DATE EXTR	ACTED	:	06/30/04	
PROJECT #	: 040605				DATE ANAL	YZED	:	06/30/04	
PROJECT NAME	: BMG LANDF.	ARM SAMP	LING		SAMPLE M	ATRIX	:	NON-AQ	
					UNITS		:	MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
TROLEUM HYDROCARBONS	s <20	254	192	76	235	93	20	(75 - 125)	20

CHEMIST NOTES:

(Spike Sample Result - Sample Result) % Recovery = ------ X 100

Spike Concentration

(Sample Result - Duplicate Result)

PD (Relative Percent Difference) =

Average Result

X 100

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GAS CHROMATOGRAPHY RESULTS

TT OT							
Í ÉST		: EPA 8021B MOI					
IENT		: ANIMAS ENVIR	ONMENTAL	SERVICES	F	PINNACLE I.D.	: 406083
ROJECT #		: 040605				ANALYST	: BP
PROJECT N	IAME	: BMG LANDFAR	M SAMPLING	G			
MPLE				DATE	DATE	DATE	DIL.
D . #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
	CELL #1 @ 28"	BGS	NON-AQ	06/21/04	N/A	06/25/04	1
	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
RAMETE	R	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
DLUENE		0.025	MG	i/KG	< 0.025	< 0.025	< 0.025
HYLBEN	ZENE	0.025	MG	6/KG	< 0.025	< 0.025	< 0.025
	ENES	0.050	MG	6/KG	< 0.050	< 0.050	< 0.050
JIRROGAT	ſE:						
	JOROBENZENE FE LIMITS	(%) (80 - 120)			99	95	99
JRY WEIGH		· · · · · · · · · · · · · · · · · · ·			80	93	82

HEMIST NOTES:

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GAS CHROMATOGRAPHY RESULTS

TEST		: EPA 8021B MO	DIFIED - ME	THANOL PRE	ESERVATION			
≧ IENT		: ANIMAS ENVIR	ONMENTAL	SERVICES	Pi	INNACLE I.D.	: 406083	
ROJECT #	ŧ	: 040605				ANALYST	: BP	
PROJECT	NAME	: BMG LANDFAR	M SAMPLIN	G				
MPLE				DATE	DATE	DATE	DIL.	
X #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR	
)4	CELL #4 @ 24'	'BGS	NON-AQ	06/21/04	N/A	06/25/04	1	
		1			CELL #4 @ 24"			
RAMETE	R	DET. LIMIT	UN	ITS	BGS			
3ENZENE		0.025	MG	/KG	< 0.025			
DLUENE		0.025	MG	i/KG	< 0.025			
HYLBEN	ZENE	0.025	MG	/KG	< 0.025			
DTAL XYL	ENES	0.050	MG	/KG	< 0.050			
SURROGA	TE:							
ROMOFLU	JOROBENZENE	(%)			98		•	
	TE LIMITS	(80 - 120)						
DRY WEIGI		()			93			

HEMIST NOTES:

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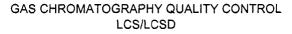
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GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

TEST ANK I. D. PEIENT PROJECT # COJECT NAME ARAMETER	: EPA 8021B MODIFIED : 062504 : ANIMAS ENVIRONMENTAL SERVICES : 040605 : BMG LANDFARM SAMPLING UNITS	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX ANALYST	•	406083 N/A 06/25/04 FP BP
35NZENE	MG/KG	<0.025		
LUENE	MG/KG	<0.025		
THYLBENZENE	MG/KG	<0.025		
TAL XYLENES	MG/KG	<0.050		
SURROGATE: OMOFLUOROBENZENE (%)		99		
RROGATE LIMITS:				

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TEST ATCH # OLIENT PROJECT # ROJECT NAME	: EPA 8021B N : 062504 : ANIMAS ENV : 040605 : BMG LANDF.	IRONMEN		8	PINNACLE DATE EXRA DATE ANAL SAMPLE MA UNITS	ACTED YZED	:		
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE		DUP	DUP % REC	RPD	MG/KG REC LIMITS	RPD LIMITS
ENZENE	<0.025	1.00	1.02	102	1.01	101	1	(80 - 120)	20
DLUENE	<0.025	1.00	1.02	102	1.00	100	2	(80 - 120)	20
THYLBENZENE	<0.025	1.00	1.06	106	1.05	105	1	(80 - 120)	20
DTAL XYLENES	<0.050	3.00	3.09	103	3.06	102	1	(80 - 120)	20

HEMIST NOTES:

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(Spike Sample Result - Sample Result)

% Recovery =

Spike Concentration

(Sample Result - Duplicate Result) ------ X 100

PD (Relative Percent Difference) =

Average Result

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GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST S/MSD #	: EPA 8021B N : 406083-03	IODIFIED			PINNACLE DATE EXRA		:	406083 N/A	
LIENT PROJECT # ROJECT NAME	: ANIMAS EN\ : 040605 : BMG LANDF,			5	DATE ANAL SAMPLE M/ UNITS		:	06/25/04 FP MG/KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
ENZENE	<0.025	1:00	1.22	122	1.20	120	2	(80-120)	20
DLUENE	<0.025	1.00	1.04	104	1.05	105	1	(80 - 120)	20
THYLBENZENE	<0.025	1.00	1.06	106	1.08	108	2	(80 - 120)	20
TAL XYLENES	<0.050	3.00	3.13	104	3.18	106	2	(80 - 120)	20

CHEMIST NOTES:

(Spike Sample Result - Sample Result)

% Recovery =

PD (Relative Percent Difference) =

-----X 100 Spike Concentration

(Sample Result - Duplicate Result)

----- X 100

Average Result

CUSTODY PAGE 1 OF 1000	A DE ANARYSISHREQUESTAN A DE ANARYSISHEQUESTAN A DE ANARYSISHEQUESTAN A DE ANARYSISHEQUESTAN A DE ANARYSISHEQUE	8021 (FOC) 8021 (EDX) 8021 (EDX) 8021 (CUST) 504.1 EDB □/DBCP □ 8020 (TCL) Volatile Organics 8260 (Full) Volatile Organics 8260 (Full) Volatile Organics 8260 (CUST) Volatile Organics 90hmelas 8260 (SUS1/61/01 90hmelas 90hmelas <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Kry Verners</th><th>DISSOLVED Printed Name: Date: Printed Name: Date:</th><th>ų</th><th>See Heverse side (Force Maleure) PRECEIVED BY Signature: Time: Shiny et al. Three: 27)</th><th>Printed Name: Date: th><th>Company: Company: th></t<>								Kry Verners	DISSOLVED Printed Name: Date: Printed Name: Date:	ų	See Heverse side (Force Maleure) PRECEIVED BY Signature: Time: Shiny et al. Three: 27)	Printed Name: Date:	Company: Company
Pinnacle Laboratories Inc. CHAIN OF CUSTO		Petroleum Hydrocarbons (418.1) TRPH (MOD.8015) Diesel/Direct Inject 8021 (BTEX)/8015 (Gasoline) MTBE 8021 (TCL) 8021 (TCL)	1055 50:1	(22-04 1128 Soil 2020 X	> (-21-4) //57 Soil (2000 X	1:2 9751 2010-9			WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.			-	BTEX ON ON SOUL		IBUUEIGERGES July, 2003 PLI Inc. Primacle Lahratinies. Inc. + 27/94.11 Pan American Freeway: NE + Albuminerum, Now Maxim, 07107 - 16AC1 244 2777 - 5-11 16AC1 444 +
MANUL Pinnacle	PROJECT MANAGER: Ross Kenneme	COMPANY: Animus Environ ADDRESS: 624 E. Comme PHONE: 564 E. Comme Formington II Formington II Formin		Cell #2 231"	æ\$#	Cell #4 @ 24" BLS		П		PHUN NUT OF OF		SHIPPED		CUSTOD/SECUS GUSTOD/SECUS ACCOUNTED IN ACCOUNT ACCOUNT ON ACCOUNT ACCOUNT ON ACCOUNT ACCOUNT ON ACCOUNT ACCOUNT ON ACCOUNT ACCOUNT ON ACCOUNT ON ACCOUNT ACCOUNT ACCOUNT ON ACCOUNT ON ACCOUNT ACCOUNT ACCOUNT ACCOUNT ON ACCOUNTACOUNT ACCOUNT AC	

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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.



November 30, 2004 Page 2 of 2

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 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

			SAMPLE							Alkalinity	Specific		Sulfate				
LANDFARM	SAMPLE	ANDFARM SAMPLE SAMPLE	DEPTH	H	Bicarbonate Free CO ₂	Free CO ₂	ပ္မ	rbonate Hydroxide	Total CO ₂	as caco ₃	Conductance	Chloride	as SO4	Flouride	Calcium	Magnesium	Sodium
ID.	I.D.	DATE	(¥)		(MG/KG)	(MG/KG)	(MG/KG)	_	(MG/KG)	(MG/KG)	(umhos/cm)		(MG/KG)	(MG/KG)	(MG/KG)	(MG/KG)	(MG/KG)
Cell #1	#1	9/30/2004	3.0	7.4	360	79	<20	<20 <20	400	360	51	<47	170	11	5,700	3,300	66>
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	98 S	<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
															1		

BMG Centralized Surface Waste Management Facility November 22, 2004

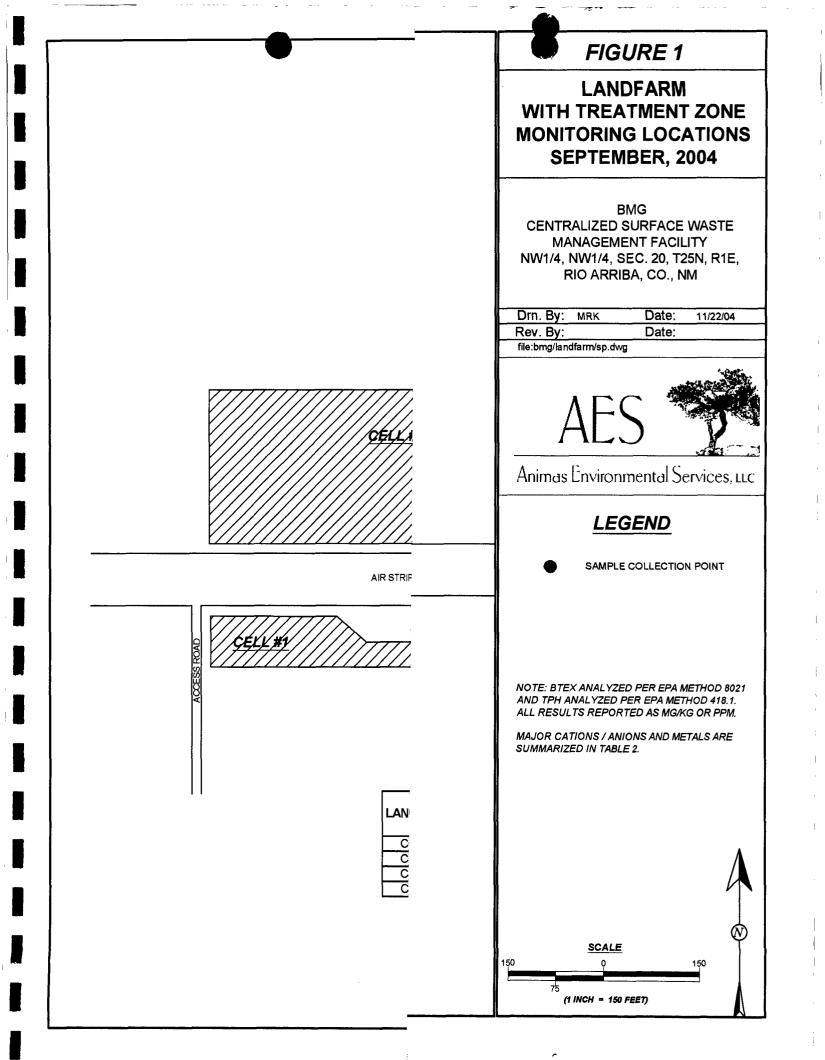
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prinach Labs

Pinnacle Lab ID number October 26, 2004 410014

ANIMAS ENVIRONMENTAL SERVICES 624 EAST COMMANCHE FARMINGTON, NM 87401

PINNACLE LABORATORIES

> 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



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IENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 410014
ROJECT #	: 040605	DATE RECEIVED	: 10/01/2004
OJECT NAME	: BMG LANDFARM SAMPLING	REPORT DATE	: 10/26/2004
NNACLE			DATE
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
0014 - 01 0014 - 02	Cell #1 Sample #1 @ 3' BGS	NON-AQ	09/30/2004
0014 - 02	Cell #2 Sample #1 @ 2.5' BGS	NON-AQ	09/30/2004
10014 - 03	Cell #3 Sample #1 @ 2.8' BGS	NON-AQ	09/30/2004
p014 - 04	Cell #4 Sample #1 @ 2.5' BGS	NON-AQ	09/30/2004

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GENERAL CHEMISTRY RESULTS 418.1

ROJECT # : 040605	NVIRONMENTAL		PINNACLE I.E DATE RECEIV ANALYST		: 410014 : 10/01/2004 : BP
SAMPLE		DATE	DATE	DATE	DIL.
# CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
Cell #1 Sample #1 @ 3' BG	S NON-AQ	09/30/2004	10/12/2004	10/12/2004	1
02 Cell #2 Sample #1 @ 2.5' B	GS NON-AQ	09/30/2004	10/12/2004	10/12/2004	1
Cell #3 Sample #1 @ 2.8' B	GS 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
TTROLEUM HYDROCARBONS	20	MG/KG	< 20	92	< 20

CHEMIST NOTES:

PINNACLE LABORATORIES

GENERAL CHEMISTRY RESULTS 418.1

	: ANIMAS ENVI # : 040605	RONMENTAL	SERVICES	PINNACLE I.D DATE RECEI\	•	: 410014 : 10/01/2004
ROJECT	NAME : BMG LANDFA	RM SAMPLIN	G	ANALYST		: BP
SAMPLE			DATE	DATE	DATE	DIL.
#	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
	Cell #4 Sample #1 @ 2.5' BGS	NON-AQ	09/30/2004	10/12/2004	10/12/2004	1
	ER	DET. LIMIT	UNITS	Cell #4 Sample #1 @ 2.5' BGS		
TROLEU	JM HYDROCARBONS	20	MG/KG	< 20		

HEMIST NOTES:

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PINNACLE LABORATORIES

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GENERAL CHEMISTRY - REAGENT BLANK 418.1

LIENT	: ANIMA	S ENVIRONMEN	TAL SERVICE	ES		PINNACLE I.D.	: 410014
: <u></u> OJECT #	: 040605					SAMPLE MATRIX	: NON-AQ
OJECT NAME	: BMG L	ANDFARM SAMP	LING			UNITS	: MG/KG
		REAGENT	SAMPLE	DATE			
		BLANK I.D.	RESULT	ANALYZED	ANALYST		
TROLEUM HYDROC	CARBONS	101204	<20	10/12/04	BP		

EMIST NOTES:

PINNACLE LABORATORIES

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GENERAL CHEMISTRY - QUALITY CONTROL MS/MSD

MSD # : ENT : ROJECT # :	418.1 410014-01 ANIMAS ENV 040605 BMG LANDF		TAL SERVICE PLING	S	PINNACLE DATE EXTF DATE ANAI SAMPLE M UNITS	RACTED LYZED	:	410014 10/12/2004 10/12/2004 NON-AQ MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
ROLEUM HYDROCARBONS	<10	254	221	87	211	83	5	(75 - 125)	20

X 100

HEMIST NOTES:

PINNACLE LABORATORIES

Recovery =

(Spike Sample Result - Sample Result)

Spike Concentration

(Sample Result - Duplicate Result)

(Relative Percent Difference) =

Average Result

GAS CHROMATOGRAPHY RESULTS

TEST		EPA 8021B - MI	ETHANOL PI	RESERVATION			
CLIENT		ANIMAS ENVIR	ONMENTAL	SERVICES	F	VINNACLE I.D.	: 410014
PROJECT	#	040605				ANALYST	: BP
PROJECT	NAME	BMG LANDFAF	M SAMPLIN	G			
SAMPLE				DATE	DATE	DATE	DIL.
D. # 01	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
-01	Cell #1 Sample #1	1 @ 3' BGS	NON-AQ	09/30/2004	NA	10/06/2004	1
02	Cell #2 Sample #7	l @ 2.5' BGS	NON-AQ	09/30/2004	NA	10/06/2004	1
)3	Cell #3 Sample #1	l @ 2.8' BGS	NON-AQ	09/30/2004	NA	10/06/2004	1
PARAMET	ER	DET. LIMIT	l	JNITS	Cell #1 Sample #1 @ 3' BGS	Cell #2 Sample #1 @ 2.5' BGS	Cell #3 Sample #1 @ 2.8' BGS
BENZENE		0.025	N	/IG/KG	< 0.025	< 0.025	< 0.025
OLUENE		0.025	N	/IG/KG	< 0.025	< 0.025	< 0.025
ETHYLBE	NZENE	0.025	Ν	/IG/KG	< 0.025	< 0.025	< 0.025
	LENES	0.050	٨	/IG/KG	< 0.050	< 0.050	< 0.050
SURROG	ATE:						
	LUOROBENZENE (% ATE LIMITS	6) (80 - 120)			99	97	106
		(00-120)			83	85	88

HEMIST NOTES:

PINNACLE LABORATORIES

GAS CHROMATOGRAPHY RESULTS

1

PINNACLE LABORATORIES

TEST CLIENT PROJECT # PROJECT N	; \$	EPA 8021B - ME ANIMAS ENVIR 040605 BMG LANDFAR	ONMENTAL	SERVICES	PI	NNACLE I.D. : ANALYST :	410014 BP
SAMPLE				DATE	DATE	DATE	DIL.
D. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
04	Cell #4 Sample #1	@ 2.5' BGS	NON-AQ	09/30/2004	NA	10/06/2004	1
ARAMETE	R	DET. LIMIT	U	NITS	Cell #4 Sample #1 @ 2.5' BGS		
BENZENE		0.025	M	G/KG	< 0.025		
TOLUENE		0.025		G/KG	< 0.025		
THYLBEN		0.025		G/KG	< 0.025		
OTAL XYL	ENES	0.050	M	G/KG	< 0.050		
URROGA ROMOFLU SURROGA DRY WEIGI	JOROBENZENE (% TE LIMITS	6) (80 - 120)			98 90		
CHEMIST N N/A	IOTES:						

GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

ST LANK I.D. ENT OJECT # ROJECT NAME	: EPA 8021B : 100504B : ANIMAS ENVIRONMENTAL SERVICES : 040605 : BMG LANDFARM SAMPLING	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX ANALYST	: 410014 : N/A : 10/06/2004 : NON-AQ : BP
RAMETER	UNITS		
ENZENE	MG/KG	<0.025	
	MG/KG	<0.025	
HYLBENZENE	MG/KG	<0.025	
OTAL XYLENES	MG/KG	<0.050	
URROGATE: BOMOFLUOROBENZEN RROGATE LIMITS	E (%) (80 - 120)	101	

HEMIST NOTES:

PINNACLE LABORATORIES



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

FEST	: EPA 8021B				PINNACLE	I.D.	:	410014	
TCH #	: 100504B				DATE EXTR	RACTED	:	N/A	
IENT	: ANIMAS EN\	IRONMEN	TAL SERVICE	S	DATE ANAI	YZED	:	10/06/2004	
² ROJECT #	: 040605				SAMPLE M	ATRIX	:	FP	
COJECT NAME	: BMG LANDF	ARM SAMF	LING		UNITS		:	MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	<u>% REC</u>	RPD	LIMITS	LIMITS
	<0.025	1.00	1.02	102	1.02	102	0	(80 - 120)	20
LUENE	<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
TAL XYLENES	<0.050	3.00	2.93	98	2.93	98	0	(80 - 120)	20
.									

THEMIST NOTES:

Recovery =

PINNACLE LABORATORIES

(Spike S	mple Result - Sample	Result)
		X 100

Spike Concentration

(Sample Result - Duplicate Result)

----- X 100

Average Result



GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

EST MSD # ENT	: EPA 8021B : 410014-04 : ANIMAS EN\	/IRONMEN	TAL SERVICE	S	PINNACLE DATE EXTR DATE ANAL	ACTED YZED	:	410014 N/A 10/06/2004	
PROJECT #	: 040605 : BMG LANDF	ARM SAMF	PLING		SAMPLE M		:	FP MG/KG	
ARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
NZENE	<0.025	1.00	1.05	105	1.05	105	0	(80 - 120)	20
LUENE	<0.025	1.00	1.00	100	0.998	100	0	(80 - 120)	20
THYLBENZENE	<0.025	1.00	0.997	100	0.998	100	0	(80 - 120)	20
TAL XYLENES	<0.050	3.00	2.96	99	2.97	99	0	(80 - 120)	20



HEMIST NOTES:

PINNACLE LABORATORIES

(Spike Sample Result - Sample Result) Recovery =

----- X 100

Spike Concentration

(Sample Result - Duplicate Result)

:PD (Relative Percent Difference) =

----- X 100 Average Result



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

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.





Sample Summary

Order: C410119 Date Received: 10/05/2004

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

Client Sample ID	Lab Sample 110	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



	, s	Analytica	il Data Report					
Lab Sample ID Description	n			Matrix	Date Rece	eived D	ate Sampled	SDG#
10119-1 CELL #1 #1	@ 3'BGS/410014-01			Solid	10/05/04	0	9/30/04 10:30	
10119-2 CELL #2 #1	@ 2.5' BGS/410014	-02		Solid	10/05/04	0	9/30/04 11:01	
10119-3 CELL #3 #1	@ 2.8' BGS/410014	-03		Solid	10/05/04	0	9/30/04 11:28	
10119-4 CELL #4 #1	@ 2.5' BGS/410014	-04		Solid	10/05/04	0	9/30/04 11:57	
			ample IDs					
Parameter	Units	10119-1	10119-2	1011	9 -3	10119-	4	
рН (9045С)								
рН	units	7.4	7.1	7.0		6.9		
Dilution Factor		1	1	1		1		
Prep Date		10/05/04	10/05/04	10/0	5/04	10/05/	04	
Analysis Date		10/05/04	10/05/04	10/0	5/04	10/05/	04	
Batch ID		PHX171	PHX171	PHX1	71	PHX171		
Prep Method		9045C	9045C	9045	с	9045C		
				~		GK		
Analyst		GK	GK	GK		UK.		
Analyst CO2 and Forms of Alka	·							
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500)	mg/kg dw	360	<20	550		33		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free	mg/kg.dw mg/kg.dw	360 79	<20 <20	550 120		33 130		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500)	mg/kg dw mg/kg dw mg/kg dw	360 79 <20	<20 <20 <20	550 120 <20		33 130 <20		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide	mg/kg dw mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20	<20 <20 <20 <20	550 120 ≪20 ≪20		33 130 <20 <20		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide Carbon Dioxide, Total	mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20 400	<20 <20 <20 <20 <20 <20	550 120 <20		33 130 <20		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide Carbon Dioxide, Total Dilution Factor	mg/kg dw mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20 400 20	<20 <20 <20 <20 <20 <20 20	550 120 ≪20 ≪20 610	6/04	33 130 <20 <20 160	04	
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide Carbon Dioxide, Total Dilution Factor Analysis Date	mg/kg dw mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20 400	<20 <20 <20 <20 <20 <20	550 120 <20 <20 610 20		33 130 <20 <20 160 20		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide Carbon Dioxide, Total Dilution Factor	mg/kg dw mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20 400 20 10/06/04	<20 <20 <20 <20 <20 20 10/06/04	550 120 <20 <20 610 20 10/0		33 130 <20 <20 160 20 10/06/		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide Carbon Dioxide, Total Dilution Factor Analysis Date Batch ID	mg/kg dw mg/kg dw mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20 400 20 10/06/04 AES002 ST	<20 <20 <20 <20 <20 20 10/06/04 AES002	550 120 <20 <20 610 20 10/0 AESO		33 130 <20 <20 160 20 10/06/ AES002		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide Carbon Dioxide, Total Dilution Factor Analysis Date Batch ID Analyst	mg/kg dw mg/kg dw mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20 400 20 10/06/04 AES002 ST	<20 <20 <20 <20 <20 20 10/06/04 AES002	550 120 <20 <20 610 20 10/0 AESO		33 130 <20 <20 160 20 10/06/ AES002		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide Carbon Dioxide, Total Dilution Factor Analysis Date Batch ID Analyst Alkalinity (to pH 4.5	mg/kg dw mg/kg dw mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20 400 20 10/06/04 AES002 ST	<20 <20 <20 <20 <20 20 10/06/04 AES002	550 120 <20 <20 610 20 10/0 AESO		33 130 <20 <20 160 20 10/06/ AES002		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide Carbon Dioxide, Total Dilution Factor Analysis Date Batch ID Analyst Alkalinity (to pH 4.5) as	mg/kg dw mg/kg dw mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20 400 20 10/06/04 AES002 ST	<20 <20 <20 <20 20 10/06/04 AES002 S⊤	550 120 <20 <20 610 20 10/0 AES0 ST		33 130 <20 <20 160 20 10/06/ AES002 ST		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide Carbon Dioxide, Total Dilution Factor Analysis Date Batch ID Analyst Alkalinity (to pH 4.5) as CaCO3	mg/kg dw mg/kg dw mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20 400 20 10/06/04 AES002 ST	<20 <20 <20 <20 20 10/06/04 AES002 S⊤	550 120 <20 <20 610 20 10/0 AES0 ST	02	33 130 <20 20 10/06/ AES002 ST 33		
Analyst CO2 and Forms of Alka Bicarbonate (2320/4500) Carbon Dioxide, Free Carbonate (2320/4500) Hydroxide Carbon Dioxide, Total Dilution Factor Analysis Date Batch ID Analyst Alkalinity (to pH 4.5) as CaCO3 Dilution Factor	mg/kg dw mg/kg dw mg/kg dw mg/kg dw mg/kg dw	360 79 <20 <20 400 20 10/06/04 AES002 ST	<20 <20 <20 <20 20 20 10/06/04 AES002 S⊤ <25 20	550 120 <20 610 20 10/0 AES0 ST 550 20	6/04	33 130 <20 160 20 10/06/ AES002 ST 33 20	04	

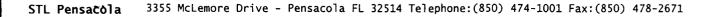


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			Analytica	il Data Report							
Lab Sample 11D	Description	. *			Matrix	Date Rece	ived	Date SampTed	SDG		
10119-1	CELL #1 #1 @	3'BGS/410014-01	· · · · · · · · · · · · · · · · · · ·		Solid	10/05/04		09/30/04 10:30			
10119-2	CELL #2 #1 @	2.5' BGS/410014	-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			
			Lab S	Sample IDs							
Parameter		Units	10119-1	10119-2	1011	9-3	1011	9-4			
Specific	Conductance (9	050A)									
Specific Condu	ctance	umhos/cm	51	13	36		6.1				
Dilution Facto	r		1	1	1		1				
Prep Date			10/16/04	10/16/04	10/1	.6/04	10/1	6/04			
Analysis Date			10/06/04	10/06/04		6/04	10/06/04				
Batch ID			CDw021	CDw021	CDWC		CDW0				
Prep Method			9050A	9050A	9050	A	9050	A			
Analyst			ST	ST	ST		ST				
Chloride	(9251)										
Chloride		mg/kg dw	<47	<49	<45		<44				
Dilution Facto	r		20	20	20		20				
Prep Date			10/12/04	10/12/04	10/1	2/04	10/1	2/04			
Analysis Date			10/12/04	10/12/04	10/1	2/04	10/1	2/04			
Batch ID			CKS078	CKS078	CKSC	78	CKS0				
Prep Method			SOP 885	SOP 885	SOP	885	SOP	885			
Analyst			CR	CR	CR		CR				
Sulfate a	s SO4 (375.4-E	XT)									
Sulfate as SO4		mg/kg dw	170	<120	<110)	<110				
Dilution Facto	r		20	20	20		20				
Prep Date			10/12/04	10/12/04	10/1	2/04	10/1	2/04			
Analysis Date			10/12/04	10/12/04	10/1	2/04	10/1	2/04			
Batch ID			SES068	SES068	SESC	68	SES0	68			
Prep Method			SOP819	SOP819	SOP8	19	SOP8	19			
Analyst			CR	CR	CR		CR				





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mplied SDC
4 10:30
4 11:01
\$ 11:28
11:57
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			Analytica	al Data Report				
Lab Sample ID	Description	. •			Matrix	Date Re	ceived Date S	amplied SDC#
10119-5	Method Blank				Solid	10/05/0	4	
10119-6	Lab Control	Standard % Recov	ery		Solid	10/05/0	4	
10119-7	LCS Accuracy	/ Control Limit (%R)		Solid	10/05/0	4	
10119-8	Precision (%				Solid	10/05/0	4	
10119-9	MS Precision	n Advisory Limit	(%RPD)		Solid	10/05/04	4	
			Lab S	Sample IDs				
Parameter		Units	10119-5	1011 9-6	1011	9-7	10119-8	10119-9
CO2 and F	forms of Alkal	inity (4500D)						
Bicarbonate (2	320/4500)	mg/kg dw	N/A	N/A	N/A		N/A	N/A
Alkalinit	y (to pH 4.5)	as CaCO3 (2320B)					
Alkalinity (to	pH 4.5) as							
CaCO3		mg∕kg dw	<20	100 %	90-1	10	1	20
Dilution Facto	or		20					
Analysis Date			10/06/04					
Batch ID			AES002	AES002			AESO02	
Analyst			ST					
Specific	Conductance ((9050A)		-				
Specific Condu	Ictance	umhos/cm	<1.0	101 %	98-1	20	N/A	N/A
Dilution Facto	r		1					
Prep Date			10/16/04					
Analysis Date			10/06/04					
Batch ID			CDW021	CDw021				
Prep Method			9050A					
Analyst			ST					



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Lab Sample ID	Description			Matrix	Date Rec	eived Date S	amplied SDC
10119-5	Method Blank			Solid	10/05/04		
10119-6	Lab Control Standard % Recover	ery		Solid	10/05/04		
10119-7	LCS Accuracy Control Limit (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		
		Lab S	Sample IDs				
Parameter	Units	10119-5	10119-6	1011	97	10119-8	10119-9
Chloride	(9251)						
Chloride	mg/kg dw	<40	95 %	90-1	10	0	20
Dilution Facto	r	20					
Prep Date		10/12/04					
Analysis Date		10/12/04					
Batch ID		CKS078	CKS078			CKS078	
Prep Method		SOP 885					
Analyst		CR					
Sulfate a	s SO4 (375.4-EXT)						
Sulfate as SO4	•. •	<100	99 %	90-1	10	0	20
Dilution Facto	r	20					
Prep Date		10/12/04					
Analysis Date		10/12/04				650000	
Batch ID		SES068	SES068			SES068	
Prep Method		SOP819					
Analyst		CR					
Fluoride	(340.2-EXT)						
Fluoride	mg/kg dw	<4.0	99 %	90-1	.10	2	20
Dilution Facto	r	20					
Prep Date		10/09/04					
Analysis Date		10/09/04					
Batch ID		FLS011	FLS011			FLS011	
Prep Method		SOP 832					
Analyst		ST					



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		Analytica	al Data Report					
Lab Sample ID	Description			Matrix	Date Re	ceived D	ate SampTed	SDC#
10119-5	Method Blank			Solid	10/05/04	4		
10119-6	Lab Control Standard % Recove	ery		Solid	10/05/04	4		
10119-7	LCS Accuracy Control Limit (S	GR)		Solid	10/05/04	\$		
10119-8	Precision (%RPD) MS/MSD			Solid	10/05/04	1		
10119-9	MS Precision Advisory Limit	(%RPD)		Solid	10/05/04	4		
		Lab S	Sample IDs					
Parameter	Units	10119-5	10119-6	1011	9-7	10119-8	3 10)119-9
Calcium Magnesium	mg/kg dw mg/kg dw	<50 <50	87 % 89 %		-4180	7% 3%	20 20	
Potassium			86 %			2 %	20	
Potassium Sodium	mg/kg dw	<100 <100			-2540)
	mg/kg dw mg/kg dw	<100	86 %	1400	-2540	2 %	20)
Sodium Dilution Facto	mg/kg dw mg/kg dw	<100 <100 1	86 %	1400	-2540	2 %	20)
Sodium Dilution Facto Prep Date	mg/kg dw mg/kg dw	<100 <100 1 10/08/04	86 %	1400	-2540	2 %	20)
Sodium Dilution Facto	mg/kg dw mg/kg dw	<100 <100 1	86 %	1400	-2540	2 %	20)
Sodium Dilution Facto Prep Date Analysis Date	mg/kg dw mg/kg dw	<100 <100 1 10/08/04 10/09/04	86 % 91 %	1400	-2540	2 % 4 %	20)
Sodium Dilution Facto Prep Date Analysis Date Batch ID	mg/kg dw mg/kg dw	<100 <100 1 10/08/04 10/09/04 PS190	86 % 91 %	1400	-2540	2 % 4 %	20)

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Lab Sample ID Description			Matrix	Date Received	Date Sampled	SDG#
10119-10 Reporting Lin	nit (RL)		Solid	10/05/04		
Parameter	Units	Lab Sample IDs 10119-10				
CO2 and Forms of Alkali	nity (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 (S	9050A)					
Specific Conductance	umhos/cm	1.0				
Chloride (9251)						
Chloride	mg/kg dw	40				
Sulfate as SO4 (375.4-E	ЭХТ)					
Sulfate as SO4	mg/kg dw	100				
Fluoride (340.2-EXT)						
luoride	mg/kg dw	4.0				
Metals (6010B)						
Calcium	mg/1	0.50				
Magnesium	mg/1	0.50				
Potassium Sodium	mg/1 mg/1	1.0 1.0				

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Page:		0528/0)- Muint (PP-MS)						 ┣					Ē						В.				
		e/Neutral Acid Compounds CC/MS	seg					 			$\left - \right $	_	Sig			ame:		ļ	B		ame.		
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STL Pensacola PROJECT SAMPLE INSPECTION FORM 10-5-U Lab Order #: Date Received: Yes 1. Was there a Chain of Custody? No* 8. Were samples checked for Yes .Not preservative? (Check pH of all H2O requiring preservative (STL-PN SOP 917) except VOA vials that require zero headspace/+ 2. Was Chain of Custody properly No⁺ 9. Is there sufficient volume for No⁺ N/A filled out and relinquished? analysis requested? (Can) 3. Were all samples properly No⁴ Were samples received within No⁺ 10. Yes labeled and identified? Holding Time? (REFER TO STL-SOP 1040) Yes⁺ 4. Were samples received cold? No⁺ N/A 11. Is Headspace (bubble) visible (Yes No (Criteria: 0.1° - 6°C; STL-SOP 1055) > ¼ " diameter in VOA vial(s)?* Were Trip Blanks Received? 12. Yes No 5. Did samples require splitting or Yes No .compositing*? 13. If yes, was analysis of Trip Yes No Blanks requested? 6. 14. Were MS/MSD-specific bottles Were samples received in No* No Yes proper containers for analysis provided? requested? No⁺ 7. Were all sample containers 15. If any issues, how was PM PSIF 🗌 Verbal 🗍 received intact? notified? Airbill Number(s): 12 878 168014442 7169 Delivery By: UPS/FedEx HD BUS DHL PE (HD - Hand Delivery) ien IK_-/ Cooler Number(s) & Temp(s) °C: 10 TEMPERATURE, THERMOMETER NUMBER! Comments (reference item numbers above and list sample [Ds/Tests where appropriate]: per Francine @ 5 rance Cation Anion and 0 Date: 10-5-N Logged By: // Date: 05 OCT-0/ Inspected By: nt Section of this form. For holding times, the analytical department will flag immediate hold time samples (pH, Dissolved 02. Resid Note CU 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 veluts may be compromised due to semple splitting (composition)" All pH results for North Carolina, and other requested projects are to be recorded on the pH log provided (STL-SOP 938). According to EPA. 3 bubble of 🛠 or less is acceptable in 40 mi viais requiring volatile analysis. According to Rovida DEP, excess headspace in Aquid TCLP volatile containers shall be documented. ProjectManagementonPensvr3\Forms\PSIF.DOC June 18, 2004

Organic Data Qualifiers for Final Report

B D	The analyte was detected in the method blank and in the client's sample. 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.
Μ	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.< td=""></rl.<>
Ρ	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

В	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.
Ň	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.< th=""></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



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

certlist\condcert.lst revised 7/13/04

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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.

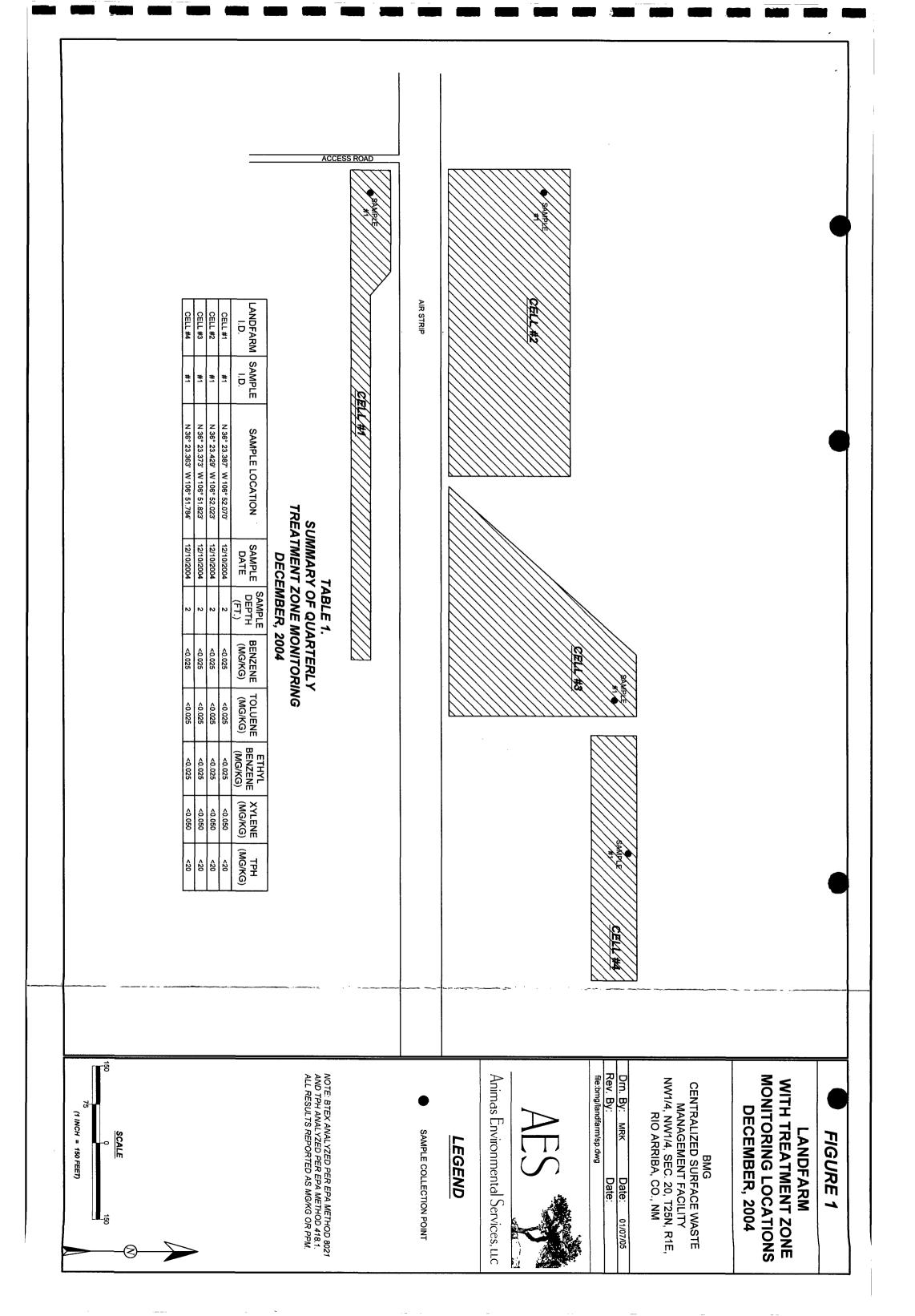
If you have any questions regarding the sampling procedures or results, please do not hesitate to contact me or Elizabeth McNally at (505) 564-2281.

Sincerely,

Ross Kennemer Project Manager

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

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





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

Pinnacle Lab ID number December 23, 2004

ANIMAS ENVIRONMENTAL SERVICES 624 EAST COMMANCHE FARMINGTON, NM 87401

Project NameBMG LANDFARM SAMPLINGProject 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





: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 412217
: (NONE)	DATE RECEIVED	: 12/13/2004
: BMG LANDFARM SAMPLING	REPORT DATE	: 12/23/2004
		DATE
CLIENT DESCRIPTION	MATRIX	COLLECTED
CELL #1 @ 2'	NON-AQ	12/10/2004
CELL #2 @ 2'	NON-AQ	12/10/2004
CELL #3 @ 2'	NON-AQ	12/10/2004
CELL #4 @ 2'	NON-AQ	12/10/2004
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GENERAL CHEMISTRY RESULTS 418.1

CLIENT		: ANIMAS ENVIRONMENTAL	SERVICES	PINNACLE I.	: 412217		
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SAMPLE			DATE	DATE	DATE	DIL.	
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	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	
PARAME	ETER	DET. LIMIT	UNITS	CELL #1 @ 2'	CELL #2 @ 2'	CELL #3 @ 2'	
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GENERAL CHEMISTRY RESULTS 418.1

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ID. <u>#</u>	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR	
04	CELL #4 @ 2'		NON-AQ	12/10/2004	12/19/2004	12/19/2004	1	
PARAME	TER	DE	T. LIMIT	UNITS	CELL #4 @ 2'			
PETROL	EUM HYDROCAR	BONS	20	MG/KG	< 20			

DRY WEIGHT (%)

P

84

CHEMIST NOTES:

N/A



GENERAL CHEMISTRY - REAGENT BLANK 418.1

PROJECT # :	ANIMAS ENVIRONMEN (NONE)		ES		: 412217 : NON-AQ	
PROJECT NAME :	BMG LANDFARM SAMF REAGENT	SAMPLE	DATE		UNITS	: MG/KG
PARAMETER	BLANK I.D.	RESULT	ANALYZED	ANALYST		
PETROLEUM HYDROCARBO	DNS 121904	<20	12/19/04	BP		<u></u>

CHEMIST NOTES: N/A



GENERAL CHEMISTRY - QUALITY CONTROL LCS/LCSD

TEST :	418.1								
	121904				PINNACLE	I.D.	:	412217	
	: ANIMAS ENVIRONMENTAL SERVICES					DATE EXTRACTED			
PROJECT # :	: (NONE)				DATE ANALYZED		:	12/19/2004	
_PROJECT NAME :	BMG LANDF	ARM SAMP	PLING		SAMPLE M	ATRIX	:	NON-AQ	
					UNITS		:	MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
PETROLEUM HYDROCARBONS	\$ <20	318	303	95	295	93	3	(75 - 125)	20

CHEMIST NOTES: N/A

(Spike Sample Result - Sample Result) % Recovery = ------- X 100

Spike Concentration

(Sample Result - Duplicate Result) RPD (Relative Percent Difference) = _______X 100 Average Result



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GENERAL CHEMISTRY - QUALITY CONTROL MS/MSD

MSMSD # CLIENT PROJECT #	: 418.1 : 412217-01 : ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG LANDFARM SAMPLING				DATE EXTR DATE ANAL	PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX		412217 12/19/2004 12/19/2004 NON-AQ MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
PETROLEUM HYDROCARBONS	s <20	318	290	91	281	88	3	(75 - 125)	20

CHEMIST NOTES: N/A

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

Average Result

X 100



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GAS CHROMATOGRAPHY RESULTS

: EPA 8021B - METHANOL PRESERVATION : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 41221 : (NONE) ANALYST : BP					
. DIVIG LANDFARI	VI SAWFLING				DIL.
					FACTOR
	NON-AQ	12/10/2004	NA	12/16/2004	1
	NON-AQ	12/10/2004	NA	12/16/2004	1
	NON-AQ	12/10/2004	NA	12/16/2004	1
DET. LIMIT	UN	NITS	CELL #1 @ 2'	CELL #2 @ 2'	CELL #3 @ 2'
0.025	MO	G/KG	< 0.025	< 0.025	< 0.025
0.025	MO	3/KG	< 0.025	< 0.025	< 0.025
0.025	MG	9/KG	< 0.025	< 0.025	< 0.025
0.050	MO	3/KG	< 0.050	< 0.050	< 0.050
0.13	MG	G/KG	< 0.13	< 0.13	< 0.13
(%) (80 - 120)			98 91	97 86	101 85
	: ANIMAS ENVIRG : (NONE) : BMG LANDFARI 0.025 0.025 0.025 0.025 0.050 0.13	: ANIMAS ENVIRONMENTAL : (NONE) : BMG LANDFARM SAMPLING MATRIX NON-AQ NON-AQ NON-AQ DET. LIMIT UN 0.025 MC 0.025 MC	: ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG LANDFARM SAMPLING DATE MATRIX SAMPLED NON-AQ 12/10/2004 NON-AQ 12/10/2004 NON-AQ 12/10/2004 DET. LIMIT UNITS 0.025 MG/KG 0.025 MG/KG 0.025 MG/KG 0.050 MG/KG 0.13 MG/KG	: ANIMAS ENVIRONMENTAL SERVICES P : (NONE) : BMG LANDFARM SAMPLING DATE DATE MATRIX SAMPLED EXTRACTED NON-AQ 12/10/2004 NA NON-AQ 12/10/2004 NA NON-AQ 12/10/2004 NA DET. LIMIT UNITS CELL #1 @ 2' 0.025 MG/KG < 0.025 0.025 MG/KG < 0.025 0.025 MG/KG < 0.025 0.025 MG/KG < 0.025 0.050 MG/KG < 0.050 0.13 MG/KG < 0.13 (%) 98	: ANIMAS ENVIRONMENTAL SERVICES : (NONE) : BMG LANDFARM SAMPLING DATE DATE DATE DATE MATRIX SAMPLED EXTRACTED ANALYZED NON-AQ 12/10/2004 NA 12/16/2004 NON-AQ 12/10/2004 NA 12/16/2004 NON-AQ 12/10/2004 NA 12/16/2004 DET. LIMIT UNITS CELL #1 @ 2' CELL #2 @ 2' 0.025 MG/KG < 0.025 < 0.025 0.025 MG/KG < 0.025 < 0.025 0.025 MG/KG < 0.025 < 0.025 0.025 MG/KG < 0.025 < 0.025 0.050 MG/KG < 0.050 < 0.050 0.13 MG/KG < 0.13 < 0.13 (%) 98 97 (80 - 120)

CHEMIST NOTES: N/A



I.

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 8021B - METHANOL PRESERVATION							
CLIENT	ONMENTAL SERVICES			PINNACLE I.D. : 412217				
PROJECT #	: (NONE)				ANALYST : BP			
PROJECT NAME	: BMG LANDFAR	M SAMPLIN	3					
SAMPLE			DATE	DATE	DATE	DIL.		
ID. # CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR		
04 CELL #4 @ 2'		NON-AQ	12/10/2004	NA	12/16/2004	1		
PARAMETER	DET. LIMIT	10	NITS	CELL #4 @ 2'				
BENZENE	0.025	MC	G/KG	< 0.025				
TOLUENE	0.025	MC	3/KG	< 0.025				
ETHYLBENZENE	0.025	MC	G/KG	< 0.025				
TOTAL XYLENES	0.050	MC	3/KG	< 0.050				
METHYL-t-BUTYL ETHER	0.13	MC	9/KG	< 0.13				
SURROGATE: BROMOFLUOROBENZENE	E (%)			99				
SURROGATE LIMITS DRY WEIGHT (%)	(80 - 120)			84				

CHEMIST NOTES: N/A



GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

4				
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				



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



GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST BATCH # CLIENT PROJECT # PROJECT NAME	: EPA 8021B : 121504B : ANIMAS EN\ : (NONE) : BMG LANDF			S	PINNACLE DATE EXTF DATE ANAL SAMPLE M UNITS	ACTED YZED	::	412217 N/A 12/16/2004 FP MG/KG	
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP	DUP % REC	RPD	REC	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

(Spike Sample Result - Sample Result) % Recovery =

----- X 100

Spike Concentration

(Sample Result - Duplicate Result)

----- X 100

RPD (Relative Percent Difference) =

Average Result



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 EXTR	RACTED	:	N/A	
CLIENT	: ANIMAS ENV	IRONMEN	TAL SERVICE	S	DATE ANALYZED		:	12/16/2004	
PROJECT #	: (NONE)				SAMPLE M	SAMPLE MATRIX		FP	
PROJECT NAME	: BMG LANDF	ARM SAMP	LING		UNITS		: _	MG/KG	
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	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

(Spike Sample Result - Sample Result) % Recovery =

----- X 100

Spike Concentration

(Sample Result - Duplicate Result) ----- X 100

RPD (Relative Percent Difference) =

Average Result

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		Pesticides/PCB (608/8081/8082)				_									2	$\tilde{\mathcal{X}}$						
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	10	8260 (CUST) Volatile Organics					_						ιBW		` `	ار '	(Force Majeure)			۵ 		
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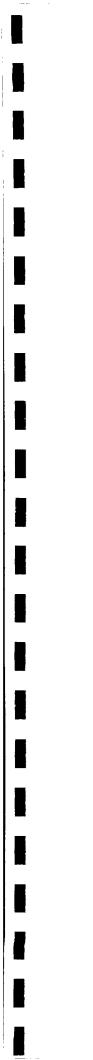


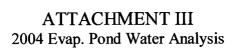


ATTACHMENT II 2004 Inspections of Evap. Pond Leak Detection System

For Calendar	Year January <u>04</u>	to Decen	nber <u>04</u>
Date	Monitor Reading Taken by:	Level (Inches)	Change in fluid level from prior Month (Inches)
Jan- 5/04	bent Honfel		_
Feb- 11 / 04	Bent Honfales	,"	_
Mar- / 7 / 04	bent Homfelm	," /"	
Apr- 2 / 04	Bent Honfal	1"	-
May- 5/04	Bent Honfel	<i>,</i> "	_
Jun- 9/04	Ben L. Honfal	1 11	
Jul- 6/04	Ben L Honfes	1 1" h	-
Aug- 23 /84	Pearl Trujel		,,,
Sep- 3/04	Ben 7 Honfal		-1 Pumped out Fluid
1	Pearl Trujil		
Nov- 4/04	Pearl Trujill		
Dec- 3/04	Pearl Thuil		_

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January 12, 2004

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

ROTECHTLABS

SOLUTIONS FOR A BETTER TOMORROW

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.**

15Tme Weet.

Christine M. Walters Laboratory Coordinator / Environmental Scientist

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CMW/cmw

C:/files/labreports/benson.wpd

ENVIROTECHPLABS



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	BMG	Project #:	99074-005
Sample ID:	COU Evaporation Pit	Date Reported:	01-12້-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

Analyst

86.5

ND - Parameter not detected at the stated detection limit.

Surrogate Reco	overies:	Parameter	Percent Recovery				
		fluorobenzene	96	5 %			
		1,4-difluorobenzene	96	3 %			
		4-bromochlorobenzene	96	s %			
References:	Method 50 December	•	s for Evaluating Solid Waste, SW-846,	USEPA,			
		_	olatiles by Gas Chromatography Using by Detectors, SW-846, USEPA Decemb	er 1996.			
Comments:	Llaves.						
2							
alen	- C. Q	Lun	Christine muhe	ters			

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

Review

ENVIROTECHPLABS

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A		Project #:		N/A
Sample ID:	01-12-BTEX QA/0	QC	Date Reported:		01-12-04
_aboratory 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	I-Cal RF:	C-Cal RF:	%Diff.	Blank	Detect.
Detection Limits (ug/L)		Accept. Ran	ge 0 - 15%	Conc	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	
Benzene	27.0	26.7	1.1%	0 - 30%	
Toluene	25.7	25.6	0.4%	0 - 30%	
			3.1%	0 - 30%	
Ethylbenzene	6.5	6.3	J.I/0	U - 3U /0	
•	6.5 19.1	6.3 18.7	2.1%	0 - 30%	
Ethylbenzene p,m-Xylene o-Xylene					
p,m-Xylene	19.1	18.7 8.0	2.1%	0 - 30%	AcceptLimi
p,m-Xylene o-Xylene	19.1 8.2	18.7 8.0	2.1% 2.4%	0 - 30% 0 - 30%	Accept Limi 39 - 150
p,m-Xylene p-Xylene Spike Conc. (ug/L) Benzene	19.1 8.2 	18.7 8.0 Amount Spiked	2.1% 2.4% Spiked Sample	0 - 30% 0 - 30% % Recovery	
p,m-Xylene p-Xylene Spike Conc. (ug/L) Benzene Toluene	19.1 8.2 Sample - 27.0 25.7	18.7 8.0 Amount Spiked 50.0 50.0	2.1% 2.4% Spiked Sample 76 75.1	0 - 30% 0 - 30% % Recovery 98.8% 99.2%	39 - 150 46 - 148
p,m-Xylene o-Xylene Spike Conc. (ug/L)	19.1 8.2 Sample 27.0	18.7 8.0 Amount Spiked 50.0	2.1% 2.4% Spiked Sample 76	0 - 30% 0 - 30% % Recovery 98.8%	39 - 150

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

beters Review

		CHAIN OF		CUSTODY RECORD	ECORD	11	11730		
Client / Project Name		Project Location	 Л		ANALYSIS / PARAMETERS	AMETERS			
Sampler:		Client No. 9 907 4 -	ro5	iners			Remarks	S	
le No./ Sample ication Date	Sample Time	Lab Number	Sample Matrix	No. Conta ×∋T₫					
P. E 1/9/04 -		915LG	لماعلمال	-					
Relinquished by: (Signature)			Date Time Rece	Received by: (Signature)	Leit		Date 11/12/0€		Time
Relinquished by: (Signature)			Rec	Received by: (Signature)			· · ·		
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Close Artes			DVIBOTECH IOC			Sample	Sample Receipt		
Stur Own					• ,		<u>≻</u>	z	N/A
		ŭ	5796 U.S. Highway 64	jhway 64 Mevico 87401		Received Intact			
		L .	(505) 632-0615	-0615		Cool - Ice/Blue Ice	9 . J	<u> </u>	

RACTICAL 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

		Det.
	Concentration	Limit
Parameter	(mg/L)	(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.

<u>a</u> Analyst

Mistine Miller Review

ENVIROTECHPLABS



EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client: Sample ID: Laboratory Number: Sample Matrix: Preservative: Condition:	QA/QC 01-14-TPH QA 27528 Methylene Chlor N/A N/A	/QC ide	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Analysis Reques	N/A 01-14-04 N/A N/A 01-14-04 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) Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbons		Concentration ND ND ND		Detection Limit 0.2 0.1 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) Gasoline Range C5 - C10 Diesel Range C10 - C28	Sample ND ND	Spike Added 250 250	Spike Result 250 250	% Recovery 100.0% 100.0%	Accept. Range 75 - 125% 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.

Luca

A Mustine Mualters

11736	AMETERS	Remarks						-				Sample Receipt	Y N/A	Received Intact	Cool - Ice/Blue Ice	
CUSTODY RECORD	ANALYSIS / PARAMETERS	o, of ainers 		×					Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	VIROTECH INC		5796 U.S. Highway 64 Farmington. New Mexico 87401	(505) 632-0615	
CHAIN OF CUS	Project Location <i>L</i> / a U & S	client No. 99074 - 005	Lab Number Matrix	27528 Well					Date Time I 1-1/5-45 7:2-3			FOUROT		5796 U.S. Farmington. Ne	(505)	
	Benson Month and		Sample No./ Sample Sample Identification Date Time	202 /// Jus					Relinquished by: (Signature)	Relinquished by: (Signature)	Relinquished by: (Signature)					

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