

Amerada Hess Corporation A.H.C. Chevron Kutter "A" Battery #24

1.0 INTRODUCTION

The subject site is north of Monument, New Mexico in Lea County in Unit Letter J, of Section 20, Township 19 South, and Range 37 East. The site is an abandoned tank battery. Amerada Hess Corporation (Amerada) sent a remediation plan to the New Mexico Oil Conservation Division (NMOCD), and the plan was approved on December 5, 2005.

2.0 SITE CHARACTERIZATION

The area of the site measures approximately 11,600 square feet. There is no water source within 1,000 feet of the site. There is no surface water within 1,000 feet of the site. Based on data from the Office of the State Engineer, average depth to groundwater is shallower than 50 feet. Bedrock in the Monument area is very shallow and it is approximately one foot below the surface of the topsoil.

3.0 SITE ACTIVITIES

Amerada retained E.D. Walton Construction (E.D. Walton) to excavate the site and haul contaminated soil to a landfarm approved by NMOCD. BBC International, Inc. (BBC) was also retained by Amerada to collect soil samples for laboratory analysis. Excavation began on January 11, 2006.

On January 12, 2006, BBC personnel collected nine (9) samples from holes excavated in the central and western sections at one (1) to two (2) feet below ground surface (bgs). The samples were tested for total petroleum hydrocarbons (TPH) – gasoline range organics (GRO)/diesel range organics (DRO). GRO was non-detect and DRO ranged from non-detect to 202 ppm. All site diagrams can be found in Appendix I, laboratory analyticals can be found in Appendix II, site photographs can be viewed in Appendix III, and email correspondences can be found in Appendix IV.

The site was excavated to bedrock at one (1) to two (2) feet bgs. BBC collected two (2) samples at two (2) feet bgs from the eastern section of the excavation floor on January 16, 2006. GRO was non-detect, and DRO was 1030 ppm and 1370 ppm.

Amerada - 495

BBC International, Inc.

facility - FPAC0613035752
incident - NPAC0613035948
application - PPAC0613036107

NMOCD was notified on February 24, 2006 of the results of the samples taken on January 16, 2006, and that drilling and sampling would take place on February 27, 2006 at the east end of the site due to the presence of bedrock at two (2) feet bgs.

On February 27, 2006, two soil borings, SB1 and SB2, were drilled at the east end of the excavation. BBC collected samples at three (3) feet, five (5) feet, and ten (10) feet bgs at each of the soil borings. Laboratory analyses included TPH (GRO/DRO), Chloride, and Benzene-Toluene-Ethylbenzene-Xylene (BTEX). At SB 1, GRO and BTEX were non-detect, and chlorides were 32 ppm at three (3) feet and five (5) feet bgs to 90 ppm at ten (10) feet bgs. At SB2, GRO, DRO, and BTEX were non-detect. Chlorides were 400 ppm at three (3) feet bgs, 288 ppm at five (5) feet bgs, and 144 ppm at ten (10) feet bgs.

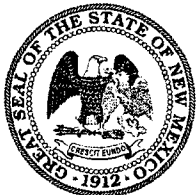
NMOCD was notified on March 1, 2006 of closing samples to be taken throughout the remainder of the excavation floor on March 3, 2006. BBC collected seven (7) samples and sent them to a laboratory for analyses. GRO was non-detect for all samples. BTEX was non-detect in all samples except sample 4 where Toluene was 0.011 ppm. Chlorides ranged from 16 ppm to 240 ppm. DRO was 167 ppm in sample 3, however, ranged from non-detect to 41.6 ppm in the remaining samples.

Amerada excavated the site at the location of sample 3 from one (1) foot bgs to two (2) feet bgs, and NMOCD was notified on March 9, 2006 that sample 3 would be retaken on March 13, 2006. Laboratory analyses on sample 3 showed that TPH and BTEX were non-detect and chlorides were 224 ppm.

Hauling of contaminated soil to a landfarm was completed on March 16, 2006. Backfilling and contouring was completed with a total of 580 yards of clean soil on March 31, 2006. The site was reseeded on April 3, 2006.

4.0 CONCLUSION

According to the Office of the State Engineer, depth to groundwater is shallower than 50 feet. There are no water sources or surface water bodies within 1,000 horizontal feet. Therefore, the laboratory data for this site indicates that BTEX, TPH (GRO/DRO), and chloride levels are within NMOCD guidelines.



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 10, 2006

Mr. Randy Barnes
Amerada Hess Corporation, (Amerada)
POB 840
Seminole, TX 79360

Re: Chevron Kutter "A" Battery #24 Closure Report Approval
Unit J, Section 20-Township 19 South-Range 37 East
Dated: April 13, 2006

Dear Mr. Barnes,

New Mexico Oil Conservation Division (OCD) personnel **hereby approve** the closure report submitted by BBC for Amerada and referenced above according to the information provided.

Please be advised that OCD approval does not relieve Amerada of liability should operations result in pollution of surface water, ground water, or the environment. In addition, OCD approval does not relieve Amerada of responsibility for compliance with other federal, state or local laws and/or regulations.

If you have any questions or need assistance please write or call: (505) 393-6161, ext. 113, or e-mail: psheeley@state.nm.us

Sincerely,

Paul Sheeley - Environmental Engineer 
xc: Wayne Price - Environmental Bureau Chief
Chris Williams - District I Supervisor
Larry Johnson - Environmental Engineer
Amy Ruth - BBC

APPENDIX I

Site Diagrams

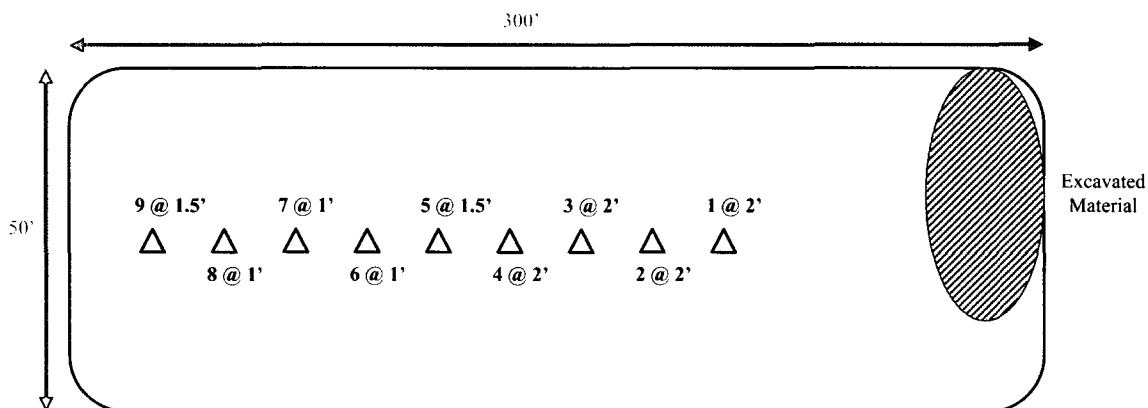
Chevron Kutter "A" Battery #24 Monument, New Mexico

Prepared for:
Amerada Hess Corporation
Seminole, Texas

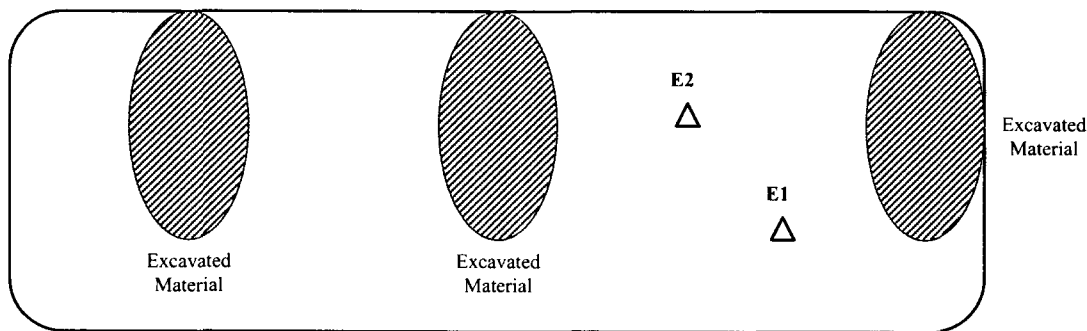
April, 2006

Prepared by:
BBC International, Inc.

Amerada Hess Corporation Chevron Kutter "A" Battery #24 Sampling



January 12, 2006

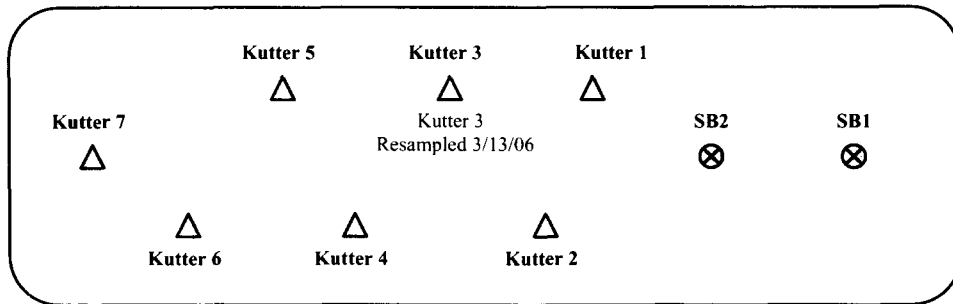


January 16, 2006

LEGEND	
	Sample Points
	Site Dimensions (feet)

BBC INTERNATIONAL, INC.	
Amerada Hess Corporation Chevron Kutter "A" Battery #24 (1-16-06)	
Date: 4-13-06	Drawn By: ACR
Disk:	Sheet 1 of 1 Sheets
Scale: Not to Scale	File Name

Amerada Hess Corporation Chevron Kutter "A" Battery #24 Sampling



LEGEND

- Excavation Floor Sample Points
- Soil Borings

BBC INTERNATIONAL, INC.

**Amerada Hess Corporation
Chevron Kutter "A" Battery #24 (1-16-06)**

Date: 4-13-06	Drawn By: ACR
Disk:	Sheet 1 of 1 Sheets
Scale: Not to Scale	File Name

APPENDIX II

Laboratory Analytical Results

Chevron Kutter "A" Battery #24 Monument, New Mexico

Prepared for:
Amerada Hess Corporation
Seminole, Texas

April, 2006

Prepared by:
BBC International, Inc.



ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

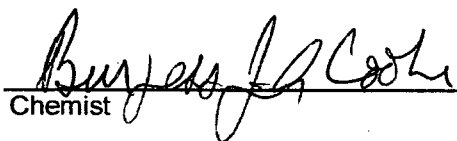
ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

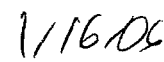
Receiving Date: 01/13/06
Reporting Date: 01/16/06
Project Owner: AMERADA HESS
Project Name: CHEVRON KUTTER "A" BATTERY 24
Project Location: MONUMENT, NM

Sampling Date: 01/12/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO	DRO
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)
ANALYSIS DATE:		01/13/06	01/13/06
H10608-1	AH KUTTER A 1 @ 2'	<10.0	202
H10608-2	AH KUTTER A 2 @ 2'	<10.0	48.2
H10608-3	AH KUTTER A 3 @ 2'	<10.0	14.3
H10608-4	AH KUTTER A 4 @ 2'	<10.0	20.2
H10608-5	AH KUTTER A 5 @ 1.5'	<10.0	14.5
H10608-6	AH KUTTER A 6 @ 1'	<10.0	22.9
H10608-7	AH KUTTER A 7 @ 1'	<10.0	<10.0
H10608-8	AH KUTTER A 8 @ 1'	<10.0	<10.0
H10608-9	AH KUTTER A 9 @ 1.5'	<10.0	24.1
Quality Control		800	802
True Value QC		800	800
% Recovery		100	100
Relative Percent Difference		0.8	0.3

METHOD: SW-846 8015 M


Chemist


Date

H10608.XLS

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CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page 1 of 1

Company Name: BBG International, Inc.		P.O. # Drawer D										
Project Manager: Cliff Brunsen		Company: Amerady Hess										
Address: 1324 W. Maryland		Attn: Sam Small										
City: Hobbs		Address:										
Phone #: 505-397-6388		City: Monument										
State: NM Zip: 88240		State: NM Zip: 88265										
Fax #: 505-397-0397		Phone #:										
Project #: Project Owner: Amerady Hess		Fax #:										
Project Name: Chevron Rubber "A" Battery 24		Project Location: Monument										
Sampler Name: Amy C Ruth		Matrix:										
Lab I.D.	Sample I.D.	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME
H10G08-1	AH Kutter A 1 @ 2'			✓					✓		1/12/06	130 pm
-2	AH Kutter A 2 @ 2'			✓					✓		1/12/06	133 pm
-3	AH Kutter A 3 @ 2'			✓					✓		1/12/06	137 pm
-4	AH Kutter A 4 @ 2'			✓					✓		1/12/06	140 pm
-5	AH Kutter A 5 @ 1.5'			✓					✓		1/12/06	143 pm
-6	AH Kutter A 6 @ 1'			✓					✓		1/12/06	145 pm
-7	AH Kutter A 7 @ 1'			✓					✓		1/12/06	148 pm
-8	AH Kutter A 8 @ 1'			✓					✓		1/12/06	152 pm
-9	AH Kutter A 9 @ 1.5'			✓					✓		1/12/06	155 pm

Lab I.D. _____ Sample I.D. _____

TPH (ARO/DO) 8015 MOD

Terms and Conditions: All work will be charged on an accurate time basis. 30 days paid due at the rate of 20% per annum from the original date of invoice, and all costs of collection, including laboratory fees.

Phone Result: ☐ Yes ☐ No Add'l Phone #: _____

Fax Result: ☐ Yes ☐ No Add'l Fax #: _____

REMARKS: _____

Relinquished By: *[Signature]* Date: **1/13/06**

Time: **8:55AM**

Received By: (Lab Staff) *[Signature]* Date: _____

Time: _____

Sample Condition: ☒ Intact ☐ Broken

Checked By: (Initials) **MA**

Sampler - UPS - Bus - Other: _____

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.



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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

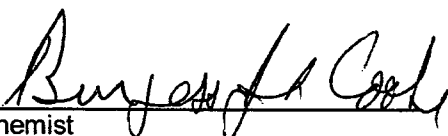
ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 01/16/06
Reporting Date: 01/18/06
Project Owner: AMERADA HESS
Project Name: CHEVRON KUTTER "A" BATT. 24
Project Location: MONUMENT, NM

Sampling Date: 01/16/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO	DRO
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)
ANALYSIS DATE:		01/17/06	01/17/06
H10620-1	AH KUTTER E1	<10.0	1370
H10620-2	AH KUTTER E2	<10.0	1030
Quality Control		800	802
True Value QC		800	800
% Recovery		100	100
Relative Percent Difference		0.8	0.3

METHOD: SW-846 8015 M


Chemist

1/18/06
Date

H10620.XLS

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(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page 1 of 1

ANALYSIS REQUEST									
BILL TO									
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Company Name: BBC International, Inc.</p> <p>Project Manager: Cliff Brinson</p> <p>Address: 1324 W. Maxland</p> <p>City: Hobbs</p> <p>State: NM Zip: 88240</p> <p>Phone #: 505-397-6388 Fax #: 505-397-0397</p> <p>Project #: </p> <p>Project Name: Chevron Kutter "A" Babb. 24</p> <p>Project Location: Monument</p> <p>Sampler Name: Amy Ruth</p> </div> <div style="width: 45%;"> <p>P.O. #: Drawer D</p> <p>Company: Amerada Hess</p> <p>Attn: Sam Small</p> <p>Address: </p> <p>City: Monument</p> <p>State: NM Zip: 88265</p> <p>Phone #: </p> <p>Fax #: </p> </div> </div>									
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Lab I.D. </p> <p>Sample I.D. </p> </div> <div style="width: 45%;"> <p>DATE TIME </p> <p>1/16/06 200 pm</p> <p>1/16/06 205 pm</p> </div> </div>									
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>FOR LAB USE ONLY</p> <p>Matrix: </p> <p>WASTEWATER </p> <p>GROUNDWATER </p> <p>SOIL </p> <p>CRUDE OIL </p> <p>SLUDGE </p> <p>OTHER: </p> <p>ACID/BASE: </p> <p>ICE / COOL </p> <p>OTHER: </p> </div> <div style="width: 45%;"> <p>PRESERV: </p> <p>SAMPLING </p> </div> </div>									
<p>PLEASE NOTE: Liability and Damages: Cardwell's liability and third's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 30 days past due at the time of this per annum from the original date of invoice, and all costs of collection, including attorney's fees.</p> <p>Terms and Conditions: Material will be shipped on all accounts more than 30 days past due at the time of this per annum from the original date of invoice, and all costs of collection, including attorney's fees.</p>									
<p>Received By: Date: Time: </p> <p>Relinquished By: Date: 1/16/06 Time: 455 pm</p> <p>Delivered By: (Circle One) Amy Ruth</p> <p>Sampler - UPS - Bus - Other: </p>									
<p>Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: </p> <p>Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: </p> <p>REMARKS: </p>									

* Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.



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PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 850
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 02/27/06
Reporting Date: 03/03/06
Project Number: MONUM 06ES001
Project Name: CHEVRON KUTTER "A" BATTERY 24
Project Location: MONUMENT, NM

Sampling Date: 02/27/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
		02/28/06	02/28/06	02/27/06
H10816-1	SB1 @ 3'	<10.0	98.6	32
H10816-2	SB1 @ 5'	<10.0	40.6	32
H10816-3	SB1 @ 10'	<10.0	<10.0	90
H10816-4	SB2 @ 3'	<10.0	<10.0	400
H10816-5	SB2 @ 5'	<10.0	<10.0	288
H10816-6	SB2 @ 10'	<10.0	<10.0	144
Quality Control		780	781	500
True Value QC		800	800	500
% Recovery		97.5	97.6	100
Relative Percent Difference		1.3	6.8	0.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H10816A.XLS

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ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 850
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 02/27/06
Reporting Date: 03/03/06
Project Number: MONUM 06ES001
Project Name: CHEVRON KUTTER "A" BATTERY 24
Project Location: MONUMENT, NM

Sampling Date: 02/27/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		03/01/06	03/01/06	03/01/06	03/01/06
H10816-1	SB1 @ 3'	<0.005	<0.005	<0.005	<0.015
H10816-2	SB1 @ 5'	<0.005	<0.005	<0.005	<0.015
H10816-3	SB1 @ 10'	<0.005	<0.005	<0.005	<0.015
H10816-4	SB2 @ 3'	<0.005	<0.005	<0.005	<0.015
H10816-5	SB2 @ 5'	<0.005	<0.005	<0.005	<0.015
H10816-6	SB2 @ 10'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.099	0.091	0.091	0.283
True Value QC		0.100	0.100	0.100	0.300
% Recovery		99.2	90.7	91.2	94.3
Relative Percent Difference		0.2	9.0	3.6	0.2

METHOD: EPA SW-846 8260

Chemist

Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name: BBO International, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Branson		P.O. #: 45-157156											
Address: 1324 W. Marland		Company: Amerada Hess											
City: Hobbs		Attn: Randy Barnes											
Phone #: 505-397-6388		Address:											
Fax #: 505-397-0397		City:											
Project #: MONUM06ES001		State: NM											
Project Name: Chevron Kutter "A" Battery 24		Zip: 88240											
Project Location: Monument		Phone #:											
Sampler Name: Amy C. Ruth		Fax #:											

Lab I.D.	Sample I.D.	FOR USE ONLY	MATRIX				PRESERV	SAMPLING	DATE	TIME	OTHER:
			GROUNDWATER	WASTEWATER	CRUDE OIL	SLUDGE					
710816-1	SB1 @ 3'								2/27/06	850 am	
-2	SB1 @ 5'								2/27/06	859 am	
-3	SB1 @ 10'								2/27/06	915 am	
-4	SB2 @ 3'								2/27/06	955 am	
-5	SB2 @ 5'								2/27/06	955 am	
-6	SB2 @ 10'								2/27/06	1005 am	

PLEASE NOTE: Liability and Damages: Cardinal's liability and damages are limited to the amount paid by the client for the analysis. All claims must be made for damages and any other claims within 30 days after completion of the analysis. In no event shall Cardinal be liable for consequential or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of service hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Sampler Relinquished:		Received By:	
Date:	Time:	Date:	Time:
2/27/06	2:20pm	2/27/06	2:20pm
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Delivered By: (Circle One)		Checked By: (Initials)	
<input checked="" type="checkbox"/> Driver <input type="checkbox"/> Bus <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
REMARKS:			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.



ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88240
FAX TO: (505) 397-0397

Receiving Date: 03/03/06
Reporting Date: 03/08/06
Project Number: MONUM 06ES001
Project Name: CHEVRON KUTTER "A" BATTERY 24
Project Location: MONUMENT, NM

Sampling Date: 03/03/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		03/07/06	03/07/06	03/07/06
H10851-1	KUTTER 1	<10.0	39.3	240
H10851-2	KUTTER 2	<10.0	41.6	16
H10851-3	KUTTER 3	<10.0	167	16
H10851-4	KUTTER 4	<10.0	15.7	16
H10851-5	KUTTER 5	<10.0	<10.0	16
H10851-6	KUTTER 6	<10.0	<10.0	64
H10851-7	KUTTER 7	<10.0	<10.0	16
Quality Control		828	829	800
True Value QC		800	800	800
% Recovery		104	104	100
Relative Percent Difference		6.3	0.6	0.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H10851A.XLS

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88240
FAX TO: (505) 397-0397

Receiving Date: 03/03/06
Reporting Date: 03/09/06
Project Number: MONUM 06ES001
Project Name: CHEVRON KUTTER "A" BATTERY 24
Project Location: MONUMENT, NM

Sampling Date: 03/03/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		03/08/06	03/08/06	03/08/06	03/08/06
H10851-1	KUTTER 1	<0.005	<0.005	<0.005	<0.015
H10851-2	KUTTER 2	<0.005	<0.005	<0.005	<0.015
H10851-3	KUTTER 3	<0.005	<0.005	<0.005	<0.015
H10851-4	KUTTER 4	<0.005	0.011	<0.005	<0.015
H10851-5	KUTTER 5	<0.005	<0.005	<0.005	<0.015
H10851-6	KUTTER 6	<0.005	<0.005	<0.005	<0.015
H10851-7	KUTTER 7	<0.005	<0.005	<0.005	<0.015
Quality Control		0.095	0.098	0.097	0.276
True Value QC		0.100	0.100	0.100	0.300
% Recovery		95.0	98.2	97.1	92.1
Relative Percent Difference		1.7	1.5	5.9	3.5

METHOD: EPA SW-846 8260


Chemist


Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name: <u>BBC International, Inc.</u>		P.O. # <u>45-157156</u>		ANALYSIS REQUEST	
Project Manager: <u>Cliff Brunson</u>		Company: <u>Amerada Hess</u>			
Address: <u>1324 W. Marland</u>		Attn: <u>Randy Barnes</u>			
City: <u>Hobbs</u>		Address: <u></u>			
Phone #: <u>505-397-6388</u>		City: <u>Seminole</u>			
Fax #: <u>505-397-0397</u>		State: <u>TX</u>			
Project # <u>MONIUM 06ES001</u>		Zip: <u></u>			
Project Name: <u>Chevron Kutter "A" Battery 24</u>		Phone #: <u></u>			
Project Location: <u>Monument</u>		Fax #: <u></u>			
Sampler Name: <u>Amy Ruth</u>					

Lab I.D.	Sample I.D.	MATRIX				PRESERV.	SAMPLING	DATE	TIME	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	SLUDGE	CRUDE OIL	WASTEWATER	GROUNDWATER	# CONTAINERS	(G) RAB OR (C) OMP.
H10851-1	Kutter 1							3/3/06	810 am										
-2	Kutter 2							3/3/06	816 am										
-3	Kutter 3							3/3/06	825 am										
-4	Kutter 4							3/3/06	836 am										
-5	Kutter 5							3/3/06	842 am										
-6	Kutter 6							3/3/06	849 am										
-7	Kutter 7							3/3/06	855 am										

PLEASE NOTE: Liability and Damages. Cardinal's liability and third-party liability are limited to the amount paid by the client for the service. All claims must be filed within 30 days of completion of the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Invoiced will be charged on all accounts more than 30 days past due at the rate of 2.5% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Received By: Amy Ruth Date: 3/3/06 Time: 4:35pm

Received By: (Lab Staff) Cliff Brunson Date: 3/3/06 Time: 4:35pm

Relinquished By: Amy Ruth Date: 3/3/06 Time: 4:35pm

Delivered By: (Circle One) Circle One

Sampler - UPS - Bus - Other:

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:



ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

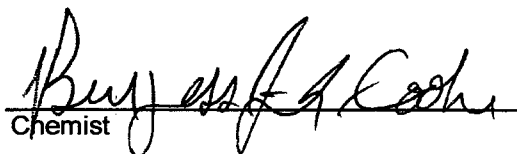
Receiving Date: 03/14/06
Reporting Date: 03/18/06
Project Number: MONUM 06ES001
Project Name: CHEVRON KUTTER "A" BATTERY 24
Project Location: MONUMENT, NM

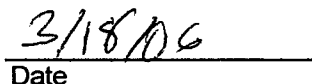
Sampling Date: 03/13/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		03/16/06	03/16/06	03/14/06
H10889-1	KUTTER #3	<10.0	<10.0	224
Quality Control		808	796	500
True Value QC		800	800	500
% Recovery		101	99.5	100
Relative Percent Difference		4.2	0.6	0.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-Cl'B

*Analyses performed on 1:4 w:v aqueous extracts.


Chemist


Date

H10889A.XLS

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
1324 WEST MARLAND
HOBBS, NM 88240
FAX TO: 505-397-0397

Receiving Date: 3/14/06
Reporting Date: 3/16/06
Project Number: MONUM 06ES001
Project Name: CHEVRON KUTTER "A" BATTERY 24
Project Location: MONUMENT

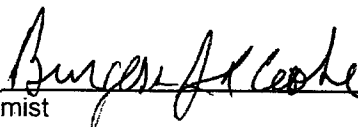
Sampling Date: 3/13/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: JC

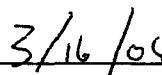
LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
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ANALYSIS DATE:		3/15/06	3/15/06	3/15/06	3/15/06
H10889-1	KUTTER #3	<0.002	<0.002	<0.002	<0.006

Quality Control	0.100	0.097	0.100	0.307
True Value QC	0.100	0.100	0.100	0.300
% Recovery	100%	97%	100%	102%
Relative Percent Difference	0.0%	2.9%	3.8%	3.8%

METHODS: EPA - SW 846-8021B, 5030B; Gas Chromatography


Chemist


Date

APPENDIX III

Site Photographs

Chevron Kutter "A" Battery #24 Monument, New Mexico

Prepared for:
Amerada Hess Corporation
Seminole, Texas

April, 2006

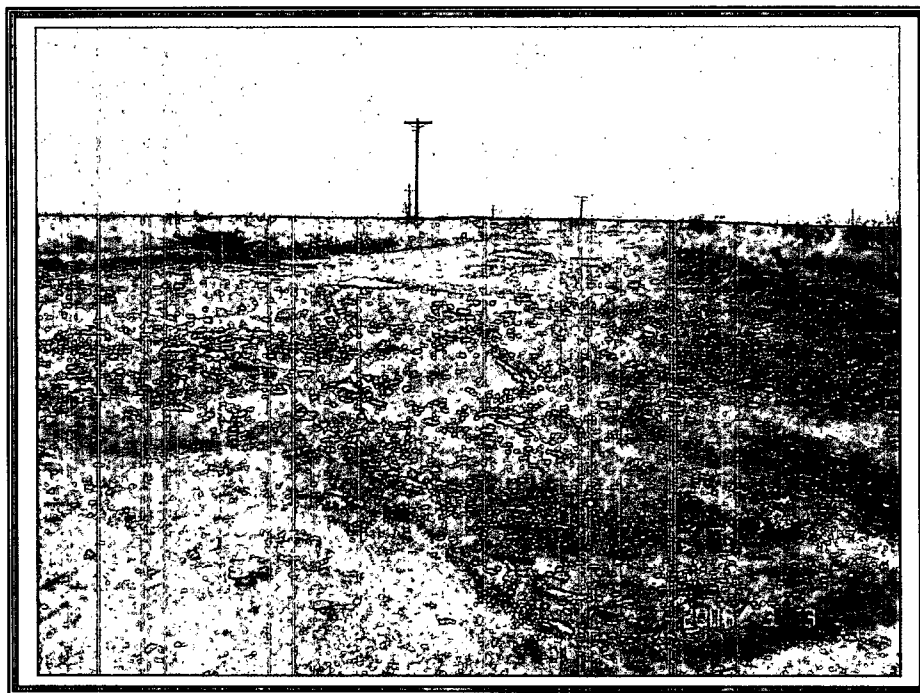
Prepared by:
BBC International, Inc.



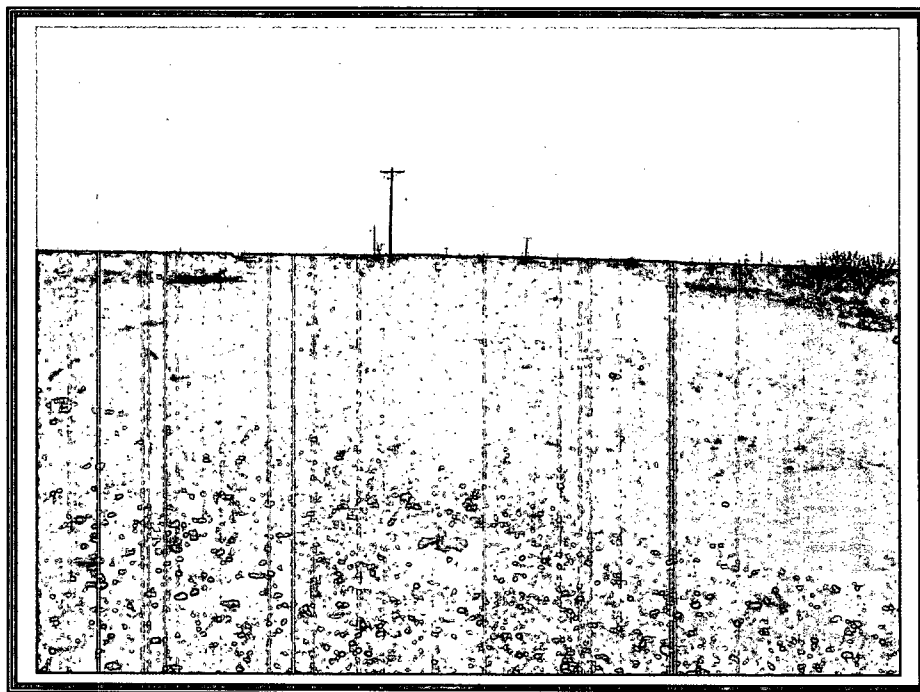
Chevron Kutter "A" Battery #24 on January 12, 2006



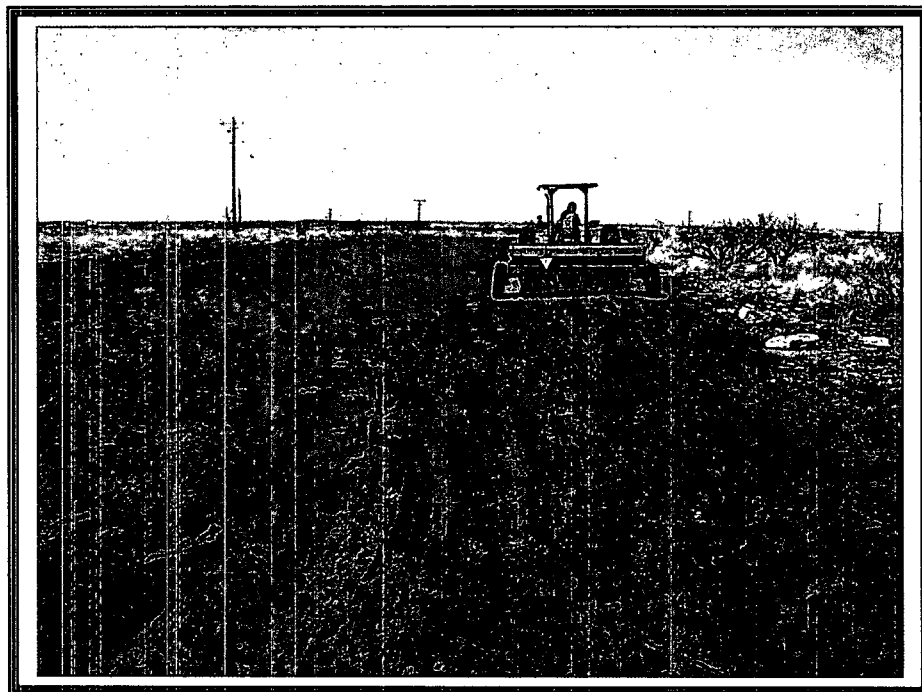
Chevron Kutter "A" Battery #24 on January 12, 2006



Chevron Kutter "A" Battery #24 after excavation



Chevron Kutter "A" Battery #24 after backfill



Chevron Kutter "A" Battery #24 reseeded

APPENDIX IV

Correspondences

Chevron Kutter "A" Battery #24 Monument, New Mexico

Prepared for:
Amerada Hess Corporation
Seminole, Texas

April, 2006

Prepared by:
BBC International, Inc.

Amy C. Ruth

From: Amy C. Ruth [Amy@bbcinternational.com]
Sent: Friday, February 24, 2006 8:17 AM
To: 'psheeley@state.nm.us'
Cc: 'rbarnes@hess.com'; 'jbaker@hess.com'; Jennifer (jgilkey@bbcinternational.com); 'Cliff P. Brunson'; 'kswinney@bbcinternational.com'
Subject: Amerada Hess Abandoned Battery Sites in Monument, NM-Sampling Event

Paul,

BBC International, Inc. will take samples at an Amerada Hess NMGSAU abandoned battery site in Monument, NM, at 8:00 am Monday morning, February 27, 2006. The site is located about a mile north of Monument, and about 3 tenths of a mile off of Highway 8 to the west. Previous samples taken at the site revealed TPH levels exceeding 1000 ppm on the far east end of the excavation. Eades Drilling will place 2 boreholes on the east end of the site from which samples will be collected. Following are legals and GPS coordinates for your convenience.

Chevron Kutter "A" Battery 24

NW, SE, Sec 20, T-19S, R-37E

N 32° 38.540'
W 103° 16.295'

If you have questions, please give me a call.

Thank you,

Amy C. Ruth
Environmental Scientist
BBC International, Inc.
Phone: 505-397-6388
Cell: 505-441-5252

4/18/2006

Amy C. Ruth

From: Amy C. Ruth [Amy@bbcinternational.com]
Sent: Wednesday, March 01, 2006 12:09 PM
To: 'psheeley@state.nm.us'
Cc: 'rbarnes@hess.com'; 'jbaker@hess.com'; 'Cliff P. Brunson'; Jennifer (jgilkey@bbcinternational.com)
Subject: Amerada Hess Abandoned Battery Sites in Monument, NM-Sampling Event

Paul,

BBC International, Inc. performed drilling on the east end of the Amerada Hess Chevron Kutter "A" battery site in Monument, NM on Monday morning, February 27, 2006. Samples were collected and sent to Cardinal Labs on that same day. At 8:00 am Friday morning, March 3, 2006, BBC will collect remaining surface samples on the central and west portions of the excavation. The site is located about a mile north of Monument, and about 3 tenths of a mile off of Highway 8 to the west. Following are legals and GPS coordinates for your convenience.

Chevron Kutter "A" Battery #24

NW, SE, Sec 20, T-19S, R-37E

N 32° 38.540'
W 103° 16.295'

If you have questions, please give me a call.

Thank you,

Amy C. Ruth
Environmental Scientist
BBC International, Inc.
Phone: 505-397-6388
Cell: 505-441-5252

4/18/2006

Amy C. Ruth

From: Amy C. Ruth [Amy@bbcinternational.com]
Sent: Thursday, March 09, 2006 12:16 PM
To: 'psheeley@state.nm.us'
Cc: 'rbarnes@hess.com'; 'jbaker@hess.com'; 'Cliff P. Brunson'; Jennifer (jgilkey@bbcinternational.com)
Subject: Sampling Events - Amerada Hess Monument Abandoned Batteries

Paul,

BBC collected samples for Amerada Hess at the Chevron Kutter "A" Battery 24 on March 3, 2006 from the bottom of the excavated area. Of those samples, all results of analyses were within guidelines with the exception of one sample in the north central portion of the site that had an elevated TPH result. Amerada has excavated this area, and BBC will resample the floor of the north central part of the excavation on Monday, March 13, 2006 at 9:30 am. The site is located about a mile north of Monument, just off of Highway 8 to the west.

After the sample is collected from the Chevron Kutter "A" Battery 24, BBC will proceed from that site to the Graham Resources Laughlin Battery 82 located about two miles south of Monument, NM and off of Highway 8 to the west. BBC will collect samples from the bottom of the excavation.

Following are legals and GPS coordinates for your convenience. ***Please call me if you have questions.*** Thank you.

Chevron Kutter "A" Battery 24

NW, SE, Sec 20, T-19S, R-37E

N 32° 38.540'
W 103° 16.295'

Graham Resources Laughlin Battery 82

Sec 5, T-20S, R-37E

N 32° 35.780'
W 103° 16.205'

Amy C. Ruth
Environmental Scientist
BBC International, Inc.
Phone: 505-397-6388
Cell: 505-441-5252

4/18/2006

Amy C. Ruth

From: Amy C. Ruth [Amy@bbcinational.com]
Sent: Monday, March 20, 2006 10:52 AM
To: 'psheeley@state.nm.us'
Cc: 'rbarnes@hess.com'; 'Small, Sam'; 'jbaker@hess.com'; Jennifer (jgilkey@bbcinational.com)
Subject: Amerada Hess - Backfill Chevron Kutter "A"

Paul,

BBC performed drilling at the Amerada Hess Chevron Kutter "A" Battery 24 on February 27, 2006 and collected samples from 2 boreholes at 3', 5', and 10' deep. At soil boring 1, chlorides were 32 ppm at 3', 32 ppm at 5', and 90 ppm at 10'. At soil boring 2, chlorides were 400 ppm at 3', 288 ppm at 5', and 144 ppm at 10'. Samples taken throughout the remainder of the excavation floor were under 250 ppm. TPH's and BTEX were also within guidelines.

Amerada will line the area at soil boring 2 with clay and backfill the entire excavation. I look forward to your immediate approval because backfilling operations are scheduled to commence Monday, March 27, 2006.

If you have questions, please give me a call.

Thank you,

Amy C. Ruth
Environmental Scientist
BBC International, Inc.
Phone: 505-397-6388
Cell: 505-441-5252

4/18/2006