

AP - 019

**GENERAL
CORRESPONDENCE**

YEAR(S):
2005-2000

Martin, Ed, EMNRD

From: Cliff P. Brunson [cbrunson@bbcinternational.com]
Sent: Thursday, December 08, 2005 12:29 PM
To: Martin, Ed, EMNRD
Cc: Martin, Ed, EMNRD; Jay Baker; Samuel Small; Jennifer Gilkey
Subject: Amerada Hess - Stage 2-NMGSAU Battery #94

AP-19

Ed,

I just wanted to inform you that the public notice for the Stage 2 Plan for the Amerada Hess NMGSAU #94 Tank Battery Site was published in the Albuquerque Journal, Hobbs News-Sun, and the Lovington Leader newspapers on Wednesday, Dec. 7, 2005. In addition, the recipients on the mailing lists were mailed via certified/return receipt copies of the public notice on December 7, 2005 as well.

We will compile a copy of the list and certified receipts and copies of the newspaper notices and submit them to the OCD per Rule 19.

If you have any questions, please let me know.

Cliff

.....
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.....

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland Blvd.
Hobbs, NM 88240 USA
Phone: (505) 397-6388
Fax: (505) 397-0397
E-mail: cbrunson@bbcinternational.com
Web: www.bbcinternational.com
.....

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No virus found in this outgoing message.
Checked by AVG Anti-Virus.
Version: 7.1.371 / Virus Database: 267.13.12/194 - Release Date: 12/7/2005

Price, Wayne

From: Price, Wayne
Sent: Thursday, March 04, 2004 3:50 PM
To: 'Small, Sam'
Subject: RE: NMGSAU Battery 94 AP-19

A stage II per the regs and public notice.

AP-19

-----Original Message-----

From: Small, Sam [mailto:SSmall@Hess.com]
Sent: Wednesday, March 03, 2004 1:53 PM
To: Price, Wayne
Subject: RE: NMGSAU Battery 94 AP-19

Wayne,

Does this mean that the project will have to stay in Rule 19? If so, what is the next step?

Sam Small
432-758-6741

-----Original Message-----

From: Price, Wayne [mailto:WPrice@state.nm.us]
Sent: Monday, February 16, 2004 3:19 PM
To: Small, Sam
Subject: FW: NMGSAU Battery 94 AP-19

-----Original Message-----

From: Anderson, Roger
Sent: Thursday, February 12, 2004 7:53 AM
To: Price, Wayne
Subject: RE: NMGSAU Battery 94 AP-19

No option in the regs that I can see.

-----Original Message-----

From: Price, Wayne
Sent: Tuesday, February 10, 2004 2:23 PM
To: Anderson, Roger
Subject: FW: NMGSAU Battery 94 AP-19

Roger, Take a look at what Sam has proposed. It looks good to me. Can we waive the Rule 19 process?

-----Original Message-----

From: Small, Sam [mailto:SSmall@Hess.com]
Sent: Tuesday, February 10, 2004 1:48 PM
To: Price, Wayne
Subject: RE: NMGSAU Battery 94 AP-19

Wayne,

We were not able to collect sidewall samples or samples off the bottom of the excavation due to safety concerns with the stability of the hole. When water was encountered, approximately 2 feet of clean caliche was brought in to cover it to prevent potential contamination resulting from the water being exposed. We would propose collecting sidewall samples when we slope the walls for safe entry into the excavation. Bottom samples could be caught at that time also. As we discussed, to stabilize the hole, we will probably need to plug at least one or more of the monitor wells. Removing this site from Rule 19 constraints will expedite the work.

Our intention, as stated in the plan, is to backfill with material with TPH and BTEX concentrations less than 100 ppm and 50 ppm pursuant to OCD Guidelines. Additionally, a clay liner is to be installed in the bottom of the excavation and a clay cap, on the backfill, is to be installed at a depth of 6 feet.

Sam Small
915-758-6741

-----Original Message-----

From: Price, Wayne [mailto:WPrice@state.nm.us]
Sent: Tuesday, February 10, 2004 12:14 PM
To: Small, Sam
Subject: RE: NMGSAU Battery 94 AP-19

Dear Sam:

I just had a meeting Roger and Martyne concerning this site. Both expressed concerns about the closure of this site since it is inside of a permitted OCD landfarm. I have reviewed the file and it appears that there is an on-going abatement plan because the initial groundwater contamination. In order for us to continue the evaluation please provide us with the following information.

1. What was the results of the final bottom hole and sidewall samples?
2. What TPH levels are you wanting to place back in the excavated area?

-----Original Message-----

From: Small, Sam [mailto:SSmall@Hess.com]
Sent: Tuesday, February 10, 2004 8:05 AM
To: Wayne Price
Subject: NMGSAU Battery 94 AP-19

Wayne,

Have you had a chance to review the work plan I submitted on Jan 26, 2004, for the subject remediation site yet? I sent it to you via email, but did not receive any confirmation that you received it.

Sam Small

915-758-6741

This email has been scanned by the MessageLabs Email Security System.

For more information please visit <http://www.message-labs.com/email>

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915-758-6741

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Sam Small

915-758-6741

This email has been scanned by the MessageLabs Email Security System.

For more information please visit <http://www.message-labs.com/email>

Price, Wayne

From: Small, Sam [SSmall@Hess.com]
Sent: Monday, January 26, 2004 10:26 AM
To: Wayne Price
Cc: psheeley@state.nm.us
Subject: FW: NMGSAU Batt 94 Closure Plan



NMGSAU_B.pdf

Wayne,

Attached is the closure plan we discussed for the NMGSAU Battery #94 in Monument.

Sam Small
915-758-6741

-----Original Message-----

From: Small, Sam
Sent: Monday, January 26, 2004 1:12 AM
To: Small, Sam
Subject: NMGSAU Batt 94 Closure Plan

Please open the attached document.
This document was sent to you using an HP Digital Sender.

Sent by: SMALL SAM <ssmall@hess.com>
Number of pages: 2
Document type: B/W Document
Attachment File Format: Adobe PDF

To view this document you need to use the Adobe Acrobat Reader.
For free copy of the Acrobat reader please visit:

<http://www.adobe.com>

For more information on the HP Digital Sender please visit:

<http://www.digitalsender.hp.com>

AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 432/758-6741
FAX 432/758-6768
EMAIL ssmall@hess.com

P.O. BOX 840
SEMINOLE, TEXAS 79360
432/758-6700

January 26, 2004

VIA EMAIL

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

RE: **ENV – Studies, Surveys & Reports**
Remediation Projects
NMGSAU Battery #94 Site (OCD File #AP-19)
Monument, NM

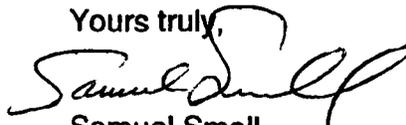
Dear Mr. Price:

Pursuant to our discussion on January 13, 2004, the attached closure plan for the subject remediation site is being submitted to the NMOCD for approval. As we discussed, no PSH or BTEX concentrations have been observed in the monitor wells and the original classification of this site as a Rule 19 project should be reconsidered.

Amerada Hess Corporation respectfully requests that this project be removed from Rule 19 oversight and that the closure plan be approved as soon as practical. Upon receipt of notification that the project has been removed from Rule 19 oversight and that the work plan is acceptable to the NMOCD, approval of the work plan will be solicited from the landowner. The NMOCD Hobbs District office will be notified 24 hours prior to work commencing.

If you have any questions or need additional information, please contact the undersigned at 432-758-6741.

Yours truly,



Samuel Small
Environmental Coordinator

Xc: Houston Environmental File
PB Environmental File
Monument File

**PROPOSED CLOSURE PLAN
NMGSAU BATTERY #94 SITE**

1. Plug the four (4) monitor wells located at the site in accordance with NMOCD recommended practices.
2. Dress the current excavation to facilitate backfilling operations.
3. Line the bottom of the excavation with approximately two (2) feet of clay.
4. Backfill the excavation to a depth that is approximately six (6) feet below the adjacent surface level with material containing TPH concentrations less than 100 ppm and BTEX concentrations less than 50 ppm. EPA Method 8015M will be used to analyze composite samples of the fill material.
5. Install a clay cap to a depth that is approximately four (4) feet below the adjacent surface level.
6. Complete backfilling to grade with clean material.

AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

May 30, 2003

VIA EMAIL

Mr. Randy Bayliss
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

RE: **ENV-STUDIES, SURVEYS & REPORTS**
SITE ASSESSMENT
NMGSAU Battery 94
OCD File #AP-19
Stock Pile Re-sampling

Dear Mr. Bayliss:

Amerada Hess Corporation (AHC) believes that the NMOCD request for the company to have the spoils piles at the subject site re-sampled and re-tested is unnecessary and unreasonable. Re-sampling and re-testing the spoils piles does nothing to move this project forward. AHC has agreed to back-fill the excavation pursuant to existing NMOCD guidelines; therefore the concentration of TPH and BTEX in the spoils piles is irrelevant; what goes into the excavation as backfill will be remediated to guideline specifications. The cost to do the original sampling and testing was in excess of \$3000. The money which will be spent to re-sample and re-test will be better spent to advance this project toward closure. AHC has complete confidence in the original work done by BBC International. BBC performed as a third party contractor and AHC has, as does the NMOCD, a copy of the chain-of-custody and the lab results with QA/QC documentation. AHC requested that BBC sample the spoil piles with no guidance given as to where the samples were to be collected, except that samples were to be collected from each pile. The NMOCD was apprised of the original sampling event and could have collected split samples at that time. The NMOCD chose not to do so. Additionally, AHC has not been provided with documentation of any of the lab work sited in the NMOCD request, nor has AHC been provided with any information with regard to sampling techniques or the location from which the sample was collected.

AHC has no qualms about the NMOCD or landowner being on site and splitting samples during closure of the excavation. When we get to that point we will gladly notify both the landowner and the NMOCD Hobbs District office. At this time AHC chooses not to take any further action regarding re-sampling of the spoils piles at the subject site unless or until the NMOCD provides reasonable justification for the company to do so.

Sincerely,



Samuel Small, PE
Environmental Coordinator

Xc: NMOCD Hobbs District
Houston Environmental File
PB Environmental File
Monument File



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

May 28, 2003

Mr. Samuel W. Small, PE
Environmental Coordinator
Amerada Hess Corporation
P.O. Box 840
Seminole, Texas 79360

**RE: NMGSAU Battery 94 OCD file # AP-19
STOCKPILE RESAMPLING**

Dear Mr. Small:

The New Mexico Oil Conservation Division (OCD) has received results of soil testing from a sample from the stockpile on the site. On May 16, 2003, Eddie Seay, on behalf of the landowner, took a composite sample from the north stockpile. Test results showed a Total Petroleum Hydrocarbon concentration of 761 ppm.

OCD requires that these stockpiles be re-sampled. Please notify the Hobbs OCD office at least four working days prior to sampling so that OCD staff may have the opportunity to split samples and witness the sampling by your consultant. OCD also suggests that you notify the landowner or his consultant so that they might have the opportunity to split samples and observe the sampling.

If you have any questions, please contact me at 505-476-3493.

Sincerely,

Randolph Bayliss, P.E.
Hydrologist,
Environmental Bureau

Cc: Chris Williams
Larry Johnson
Eddie Seay



**ARDINAL
LABORATORIES**

*rec'd RB 5/20
AP 19*

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 W. ILLINOIS
HOBBS, NM 88242
FAX TO:

Receiving Date: 05/16/03
Reporting Date: 05/16/03
Project Number: C&C
Project Name: C&C LANDFARM
Project Location: MONUMENT, NM

Analysis Date: 05/16/03
Sampling Date: 05/16/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: GP

LAB NUMBER SAMPLE ID TPH
(ppm)

H7665-1	OCD AP #19	761
Quality Control		308
True Value QC		300
% Recovery		103
Relative Percent Difference		2.7

METHOD: EPA 418.1, 3510, 3540, or 3550; Infrared Spectroscopy

Eddie Seay

Chemist

05/16/2003

Date



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

May 14, 2003

Mr. Samuel W. Small, PE
Environmental Coordinator
Amerada Hess Corporation
P.O. Box 840
Seminole, Texas 79360

**RE: NMGSAU Battery 94 OCD file # AP-19
SAMPLING AND RECHARGE TEST**

Dear Mr. Small:

The New Mexico Oil Conservation Division (OCD) has reviewed BBC International's (BBC) "NMGSAU BATTERY 94, SAMPLING REPORT AND MONITOR WELL RECHARGE TEST" submitted on your behalf. This document contains information on the stockpile soil and water testing and recharge rates of monitoring wells at this site in Section 3, T20S, R37E, Lea County, New Mexico. This report makes the following findings:

- ground water recharge rates in the four monitoring wells is practically instantaneous;
- TPH in eight soil stockpile composite samples is less than 100 mg/kg, except one sample at 109 mg/kg;
- no BTEX was detected in the eight soil stockpile samples; and
- no PSH or BTEX was detected in the monitoring well ground water samples.

You have requested that OCD make a finding that this project be withdrawn from the Abatement Plan process.

OCD had raised the question of whether ground water was "protectable" in this area, in that there might not be sufficient quantity as measured by recharge rate testing. BBC results show that there is protectable ground water.

The final questions to be answered are that of ground water impact below release sites, in both this and other Hess cleanup projects. We have discussed how to safely take a ground water sample from the middle of excavations. If equipment cannot be safely operated in a pit, we had mentioned the option of hand augering a sample well. If you can show OCD the absence of BTEX impact on ground water, OCD would be respond by withdrawing the AP process and proceeding on a Rule 116.D cleanup (copy attached), which would be a simple OCD approval of a **remediation** plan. Please provide our Hobbs District Office with copies. If you have any questions, please contact me at 505-476-3493. Sincerely,

Randolph Bayliss, P.E.
Hydrologist,
Environmental Bureau

Cc: Chris Williams, Larry Johnson

116 RELEASE NOTIFICATION AND CORRECTIVE ACTION [1-1-50...2-1-96; A, 3-15-97]

116.A. NOTIFICATION

- (1) The Division shall be notified of any unauthorized release occurring during the drilling, producing, storing, disposing, injecting, transporting, servicing or processing of crude oil, natural gases, produced water, condensate or oil field waste including Regulated NORM, or other oil field related chemicals, contaminants or mixture thereof, in the State of New Mexico in accordance with the requirements of this Rule. [1-1-50...2-1-96; A, 3-15-97]
- (2) The Division shall be notified in accordance with this Rule with respect to any release from any facility of oil or other water contaminant, in such quantity as may with reasonable probability be detrimental to water or cause an exceedance of the standards in 19 NMAC 15.A.19. B(1), B(2) or B(3). [3-15-97]

116.B. REPORTING REQUIREMENTS: Notification of the above releases shall be made by the person operating or controlling either the release or the location of the release in accordance with the following requirements: [5-22-73...2-1-96; A, 3-15-97]

- (1) A Major Release shall be reported by giving both immediate verbal notice and timely written notice pursuant to Paragraphs C(1) and C(2) of this Rule. A Major Release is:
 - (a) an unauthorized release of a volume, excluding natural gases, in excess of 25 barrels;
 - (b) an unauthorized release of any volume which:
 - (i) results in a fire;
 - (ii) will reach a water course;
 - (iii) may with reasonable probability endanger public health; or
 - (iv) results in substantial damage to property or the environment;
 - (c) an unauthorized release of natural gases in excess of 500 mcf; or
 - (d) a release of any volume which may with reasonable probability be detrimental to water or cause an exceedance of the standards in 19 NMAC 15.A.19. B(1), B(2) or B(3). [3/15/97]
- (2) A Minor Release shall be reported by giving timely written notice pursuant to Paragraph C(2) of this Rule. A Minor Release is an unauthorized release of a volume, greater than 5 barrels but not more than 25 barrels; or greater than 50 mcf but less than 500 mcf of natural gases. [3-15-97]

116.C. CONTENTS OF NOTIFICATION

Immediate verbal notification required pursuant to Paragraph B shall be reported within twenty-four (24) hours of discovery to the Division District Office for the area within which the release takes place. In addition, immediate verbal notification pursuant to Subparagraph B.(1).(d). shall be reported to the Division's Environmental Bureau Chief. This notification shall provide the information required on Division Form C-141.

Timely written notification is required to be reported pursuant to Paragraph B within fifteen (15) days to the Division District Office for the area within which the release takes place by completing and filing Division Form C-141. In addition, timely written notification required pursuant to Subparagraph B.(1).(d). shall also be reported to the Division's Environmental Bureau Chief within fifteen (15) days after the release is discovered. The written notification shall verify the prior verbal notification and provide any appropriate additions or corrections to the information contained in the prior verbal notification.

[5-22-73...2-1-96; A, 3-15-97]

116.D CORRECTIVE ACTION: The responsible person must complete Division approved corrective action for releases which endanger public health or the environment. Releases will be addressed in accordance with a remediation plan submitted to and approved by the Division or with an abatement plan submitted in accordance with Rule 19 (19 NMAC 15.A.19). [3-15-97]

Note from Rule 7 Definitions:

- (3) Release shall mean all breaks, leaks, spills, releases, fires or blowouts involving crude oil, produced water, condensate, drilling fluids, completion fluids or other chemical or contaminant or mixture thereof, including oil field wastes and natural gases to the environment.

AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

September 30, 2002

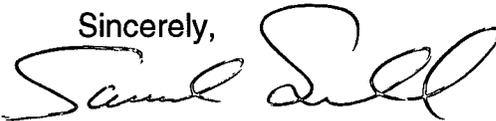
CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7001 0360 0003 1887 7735

Mr. Randy Bayliss
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

RE: **Recharge Test**
NMGSAU Battery 94
Monument, NM

Enclosed find the recharge test results and spoils pile sampling results for the referenced site. The results indicate that the groundwater underlying the site exists in usable quantities. Analyses indicated that there is no hydrocarbon or chloride contamination of the water. To backfill the excavation, in compliance with OSHA specifications, it will be necessary to plug some of the monitor wells. I would like to discuss future well sampling and testing, pursuant to Rule 19, and the status of the existing wells with you after you have had a chance to review the report.

If you have any questions, please give me a call at 915-758-6741.

Sincerely,

Samuel Small, PE
Environmental Coordinator

Xc: Houston Environmental File
PO Environmental File
Monument Area File



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

April 19, 2002

Mr. Samuel Small, P.E.
Environmental Coordinator
Amerada Hess Corporation
PO Box 840
Seminole, TX 79360

**RE: ABATEMENT PLAN AP-30
W.P. BYRD TANK BATTERY**

**ABATEMENT PLAN AP-19
NMGSAU # 97**

Dear Mr. Small:

The New Mexico Oil Conservation Division (OCD) has reviewed your letter of April 11, 2002 confirming scopes of work on the referenced projects that resulted from our meeting of March 19, 2002.

W.P. Byrd Site

Your summary is accurate. For this site with high TDS in ground water, OCD will require BTEX samples from the monitoring wells on an annual basis. You should select only those wells that would
a) show natural attenuation rates and b) delineate the migration of dissolved phase hydrocarbons, if any. I appreciate your quick response for the recovery well for the PSH. If you could send me the specs on that pump, I'd like to see them. Please let me know how much oil you recover from that well and how efficiently you think that pump is working.

NMGSAU Battery #97

Your summary is correct, except that we also talked about a) soil samples from the pit bottom and sides, and b) ground water samples from the center of the pit. You said you might be able to use a hand-auger to reach ground water. I concur that safety concerns may preclude samples from the sidewalls, but if you can get some samples safely, it would be a prudent idea. OCD generally requires sidewall and bottom soil samples to characterize what is being left behind in a closure of an excavation. For sampling of spoils, if soils show PID readings of less than 100 ppm, you need not test for BTEX. Composite samples are acceptable, especially for TPH sampling. I suggest an aliquot for every 100 cubic yards.

Call or email me if you have questions. Thanks again for your quick reaction to the recovery well proposal.

Randolph Bayliss, P.E.
Hydrologist
Environmental Bureau

AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

April 11, 2002

Mr. Randolph Bayliss, P.E.
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
VIA E-MAIL

RE: **Work Plans**
W.P. Byrd Groundwater Contamination Site
NMGSAU Battery #94

Dear Mr. Bayliss:

Before beginning work at the W.P. Byrd groundwater contamination site and at the NMGSAU Battery # 94 (Cooper F&G Battery) site, AHC would like to confirm the scope of the work agreed to during our meeting on March 19, 2002.

W.P. Byrd Site

It was agreed that AHC would have a pump installed in monitor well # 3 to pump out free hydrocarbons. AHC also agreed to have one additional monitor well drilled southeast of the battery site and north of the EOTT pipeline, and to develop a schedule for sampling and analyzing existing monitor wells.

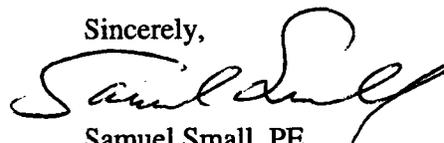
NMGSAU Battery # 94

It was agreed that AHC would have fluid levels measured in the existing monitor wells to confirm the depths to groundwater and the hydraulic gradient across the site. It was also agreed that recharge rates in the monitor wells would be measured to determine if the groundwater is to be considered "protected groundwater" in the context of Rule 19. The spoil piles are to be sampled and analyzed for TPH and BTEX, with the samples to be collected from 2 to 3 feet within the piles.

If the project work outlined above differs from what you have in your notes, please let us know. As a point of clarification, what contaminants would the OCD like the water samples gathered from the monitor wells at the W.P. Byrd site analyzed for. Also, AHC does not plan to regularly sample all nine (with the additional well) of the monitor wells, only selected wells.

If you have any questions or need to discuss the work plans, please contact me at 915-758-6741, or Jay Baker at 505-393-2144 ext 103.

Sincerely,



Samuel Small, PE
Environmental Coordinator

AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

April 11, 2002

Mr. Randolph Bayliss, P.E.
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

VIA E-MAIL

RE: **Work Plans**
W.P. Byrd Groundwater Contamination Site
NMGSAU Battery #94

Dear Mr. Bayliss:

Before beginning work at the W.P. Byrd groundwater contamination site and at the NMGSAU Battery # 94 (Cooper F&G Battery) site, AHC would like to confirm the scope of the work agreed to during our meeting on March 19, 2002.

W.P. Byrd Site

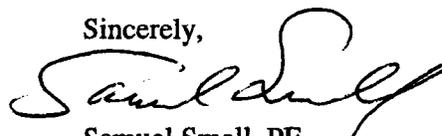
It was agreed that AHC would have a pump installed in monitor well # 3 to pump out free hydrocarbons. AHC also agreed to have one additional monitor well drilled southeast of the battery site and north of the EOTT pipeline, and to develop a schedule for sampling and analyzing existing monitor wells.

NMGSAU Battery # 94

It was agreed that AHC would have fluid levels measured in the existing monitor wells to confirm the depths to groundwater and the hydraulic gradient across the site. It was also agreed that recharge rates in the monitor wells would be measured to determine if the groundwater is to be considered "protected groundwater" in the context of Rule 19. The spoil piles are to be sampled and analyzed for TPH and BTEX, with the samples to be collected from 2 to 3 feet within the piles.

If the project work outlined above differs from what you have in your notes, please let us know. As a point of clarification, what contaminants would the OCD like the water samples gathered from the monitor wells at the W.P. Byrd site analyzed for. Also, AHC does not plan to regularly sample all nine (with the additional well) of the monitor wells, only selected wells.

If you have any questions or need to discuss the work plans, please contact me at 915-758-6741, or Jay Baker at 505-393-2144 ext 103.

Sincerely,

Samuel Small, PE
Environmental Coordinator

1.08'

1.08'

$$\begin{array}{r} 1' 5'' \\ \hline 27' 30'' \\ 28' 31'' \\ 52' 31'' \end{array}$$

27' 30"

16

0.43"

X = 2.5'

6.25" = 1.08'

6.25 w/m = 2.5' = 0.32' = 1 w/m

1" = 2.5"

1.9m

2 1/16

1.08' = 2.7"

1' = 2.49"

2.49 m = 1'

6.25 w/m = 2' 30" = 2.5'

1.08' Lon

1.08'

1.08'

AP 19

Meet Sam Small Jay Baker at Monument Hess office

Mar 19 '02 0910 - 1200 lunch at Cattle Baron, RB pays \$13

Consistent in time and place, need a rational basis

Can approve other soil cleanup limits with scientific approach

SamS: Surveying data questionable, depths to groundwater may be wrong, may have taken distance from casing head rather than ground level, wrong direction for GW gradient

Placed rebed at bottom of pit, didn't want to impede aeration by line at surface level and no compaction would be needed with weight of backfill (PE opinion), models show that infiltration is not a big factor in oil migration

Suspects that actual stockpile oil soil conc is less than 2000 ppm a lot of clean soil already blended

RB: need water samples below ground zero [SS: may be able to auger by hand] if no free product and if no oily soil, can rescind AP process and work under rule 116 cleanup via workplan

Need sidewall and bottom soil samples

Need soil samples between pit bottom and water table

Need stockpile samples (composites) to find existing level, will dig into stockpile 18 to 24 inches to get fresh samples, one per 100 cy (? Should be 10 cy ?)

SamS: Safety hazard; RE constr co got out of hand, went too deep, no sheen on water table, or if slight sheen

Double check the GW: may be perched or non-protectable water, need to purge wells to find recharge rate

Problems with cleanup level since 100 ppm TPH is required for adjacent landfarm. Install passive in-situ aeration (4" perf pipe with risers and turban or elbows) and apply fertilizer. No timetable for 100 ppm TPH.

Other landowner issues, deprive C&C of space to use for landfarm

RE OCD letter of 13102 - Abatement Plan AP-19

From: Small, Sam [SSmall@Hess.com]
Sent: Wednesday, February 27, 2002 3:07 PM
To: 'RBayliss@state.nm.us'
Cc: Williams, Robert; Krier, Kurt
Subject: RE: OCD letter of 1/31/02 - Abatement Plan AP-19

To meet the further requirements for the Stage 1 investigation, proposed on your letter of 1/31/02, AHC will determine a more accurate depth to water (BGS). Water levels previously reported were taken from the top of the casing and not ground level and there is some question as to the actual static groundwater level. We will also recalculate the hydraulic gradient. The depth of the bottom vadose zone samples collected, 27- 29, feet is where the first 'wet soil' was observed while drilling the monitor wells. An additional monitor well will be drilled southwest of the excavation to obtain a down gradient water sample. At this time AHC does not propose obtaining samples from the bottom or walls of the excavation due to safety concerns. Hydrocarbon contamination in the water beneath the excavation site was observed and reported in our letter of 10/24/00, so we do not believe that further sampling is necessary. AHC would like to know what additional information, beyond that reported in the Meridian Alliance Group Site Assessment Report, the OCD is requesting on the monitor well development. As we discussed at the Chlorides Workgroup meeting last week, we can get together to discuss this and other projects during the week of March 18. I need to be in Albuquerque on the 20th, so maybe the afternoon of the 21st?



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Carol S. Leach
Acting Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

31 January 2002

CERTIFIED MAIL
RETURN RECEIPT NO. 3929 3947

Mr. Samuel Small, P.E.
Amerada Hess Corporation
PO Box 840
Seminole, Texas 79360

RE: ABATEMENT PLAN AP-19
NMGSAU Battery No. 94; Lea County, New Mexico
AHC Project No. OPF005537; MAG Project No. 07C005537A

Dear Mr. Small:

The New Mexico Oil Conservation Division (OCD) has reviewed

- the August 10, 2001 "SITE ASSESSMENT REPORT AMERADA HESS CORPORATION COOPER LEASE SECTION 3, T-20-S, R-36-E, LEA COUNTY, NEW MEXICO" prepared for Amerada Hess Corporation (AHC) by Meridian Alliance Group (MAG) and
- your October 1, 2001 "ABATEMENT PLAN AP-19 NMGSAU BATTERY No. 94 LEA COUNTRY NEW MEXICO."

These documents present results of soil and water investigations near the subject site. Soil samples at 29 feet below ground surface (BGS) were found to contain 630 ppm total petroleum hydrocarbons (TPH). Ground water was found to contain hydrocarbons at 163 ppm TPH. The ground water was found at about 36 feet BGS and the gradient was found to trend to the southwest at 0.0015 ft/ft. Based upon this investigation, AHC proposed to close the excavation with lining of red-bed clay at about 30 feet below ground surface (BGS) and backfill of remediated soil containing up to 5,000 ppm TPH and 50 ppm BTEX. On January 15, 2002, Bill Olson and I inspected this site.

Before OCD can evaluate Stage 2 of the abatement plan, OCD requires further Stage 1 investigations to find the horizontal and vertical extent of and degree of contamination. This information includes following.

- Soil samples between 29 ft BGS and 36 ft BGS in the area of the release site.
- Soil samples from the walls and bottom of the excavation.
- Ground water samples from beneath the area of the spill site.
- Ground water samples from an area down gradient of the release site, to the southwest.
- Descriptions of how the monitoring wells were developed.

Please submit a plan to the Santa Fe office by February 28, 2002 outlining how you intend to accomplish these tasks. If AHC intends to propose alternate remediation levels for soil other than those recommended in the OCD guidelines, AHC should demonstrate an assessment of risk that the remaining contaminants will not pose a threat to the beneficial uses of the waters or to the environment. OCD encourages email submissions of documents. If you have any questions, please contact me by email or telephone at (505) 476-3493.

Sincerely,

Randolph Bayliss, P.E.
Hydrologist
Environmental Bureau

AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

October 18, 2001

PRIORITY MAIL

Mr. William C. Olson
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

RECEIVED

OCT 23 2001

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

RE: **Abatement Plan AP-19**
NMGSAU Battery #94
Lea County, New Mexico

Dear Mr. Olson:

Enclosed find a report of the results of the Stage 1 investigation that was conducted to determine the extent of hydrocarbon and chloride groundwater impacts at the subject site. Included with the report is a compilation of water wells registered by the New Mexico State Engineer's Office and located within a 1-mile radius of the site. The owners of C & C Landfarm installed a number of monitor wells, which were not registered, approximately ¼ mile east of this location. None of the C & C Landfarm wells encountered groundwater. It appears, from a visual survey of the registered wells, that only one well within the 1-mile radius is currently in use. This well is situated, with regard to the location of the abandoned battery and the measured hydraulic gradient, such that it will not be impacted by past operations at the battery. Sampling of the well, therefore, is not deemed necessary.

A 150-foot by 150-foot by 32-foot deep excavation, of material from beneath the original location of the tank battery and associated evaporation pit, currently exists at the site. Amerada Hess Corporation proposes to close the excavation by:

1. lining the bottom with three feet of compacted red-bed clay,
2. backfilling to within three feet of the surface with the excavated material, which has been remediated to no more than 5000 ppm TPH and total BTEX no more than 50 ppm, and
3. backfilling the top three feet with 'clean' material (Total BTEX < 50 ppm and TPH < 100 ppm).

There is no apparent hydrocarbon impact to the groundwater in the area of the Stage 1 investigation, immediately adjacent to the excavation, which can be attributed to past battery operations as indicated by the water analyses. AHC, therefore, proposes a Stage 2 abatement plan of natural attenuation for any remaining hydrocarbon contamination at the site. AHC will sample the existing four monitor wells quarterly for one year, analyzing the water for TDS, chloride and BTEX concentrations

and for any phase-separated hydrocarbon which may be observed. The NMOCD District office will be notified 24 hours prior to a sampling event. Reports of the results of the analyses will be sent to the NMOCD Santa Fe office and to the NMOCD District 1 office when they are obtained by AHC. If after one year no degradation of the groundwater is observed during the sampling program, the monitor wells will be plugged with cement containing 5% bentonite. The Stage 2 abatement plan will be re-evaluated if any groundwater degradation is detected. Public notice of the Stage 2 abatement plan will be handled in accordance with Rule 19 requirements.

If you have any questions or need additional information, please contact the undersigned at 915-758-6741 or at the letterhead address.

Sincerely,



Samuel Small, PE
Environmental Coordinator

Xc: OCD – District 1 w/enclosure
Houston Environmental File
Houston Legal Department
PBBU Environmental File
Monument File

September 20, 2001
OIL CONSERVATION DIV.
01 SEP 24 PM 1:48

Lori Wrotenbery
Director
Oil Conservation Division
1220 St. Francis Dr.
Santa Fe, New Mexico 87505

**RE: GROUND WATER ABATEMENT PLAN (AP-19)
NMGSAU BATTERY #94
MONUMENT, NEW MEXICO**

Dear Ms Wrotenbery:

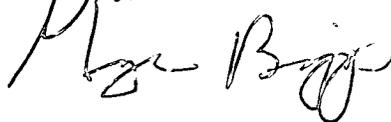
New Mexico Citizens for Clean Air and Water (NMCCA&W) has reviewed the referenced Ground Water Abatement Plan (AP-19) and has the following comment to make:

The Stage 1 Plan proposes to drill three (3) monitor wells in the presumed down-gradient direction and one (1) well in the presumed up-gradient direction. NMCCA&W suggests that at least two (2) additional wells in the actual cross-gradient direction will be needed to define the extent of the plume.

I was informed today by Bill Olson of your staff that the deadline for submittal of written comments on AP-19 had passed, but that an OCD ruling on the Plan had not yet occurred. Consequently, he encouraged me to go ahead and submit this comment to you.

We thank you for your consideration of this comment and ask that you put me on the mailing list regarding further developments on AP-19.

Sincerely,



George Biggs
Recording Secretary
NMCCA&W
505 Oppenheimer Dr., #805
Los Alamos, NM 87544

AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

August 6, 2001

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7001 0360 0003 1887 7520**

Mr. Roger C. Anderson
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: **Groundwater Abatement Plan (AP-19)**
NMGSAU Battery No. 94
Lea County, New Mexico

RECEIVED

AUG 08 2001

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Dear Mr. Anderson:

Pursuant to your letter of July 5, 2001 regarding published and written notification of the Stage 1 abatement proposal, find enclosed an affidavit certifying that written notices were mailed to the individuals and organizations contained on the 3.5" disk mailed to Amerada Hess Corporation by the OCD. Also find enclosed, Affidavits of Publication from the Hobbs News Sun and Albuquerque Journal newspapers. To date we have not received the affidavit from the Lovington Daily Leader; this will be forwarded to you when received. Please note that notifications mailed to:

Bob Steele
Land & Mineral Resources
P.O. Box 194
Laguna, NM 87026

Jackie Jennings
Core Laboratories, Inc
10703 E. Bethany Drive
Aurora, CO 80014

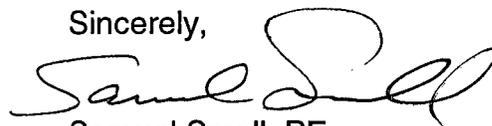
Ken Marsh
Controlled Recovery, Inc
P.O. Box 369
Hobbs, NM 88240

were all returned as undeliverable. Also the mailing address for KOAT-TV should be changed to:

Assignment Manager
KOAT-TV
P.O. Box 25982
Albuquerque, NM 87125

Please contact me if you have any questions.

Sincerely,



Samuel Small, PE

Xc: OCD – District 1 w/o enclosures
Houston Environmental Files w/ enclosures
Houston Legal Department w/o enclosures
PBBU Environmental File w/ enclosures
Monument Files w/o enclosures

NOTIFICATION AFFIDAVIT
Proof of Notification Mailing

STATE OF TEXAS
SEMINOLE, TEXAS

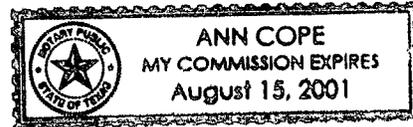
Before me on this day personally appeared Mr. Samuel Small, Environmental Coordinator with the Amerada Hess Corporation who states and deposes that notification as per Exhibit I, was mailed to individuals, organizations and agencies listed on Exhibit II.

Samuel Small
Samuel Small

7/27/01
Date

Subscribed and sworn before me, this 27th day of July, 2001.
Ann Cope Notary Public, Gaines County, Texas

My Commission Expires 8-15-2001



AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

July 25, 2001

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7001 0360 0003

EXHIBIT I

Pursuant to New Mexico Oil Conservation Division Rule 19 paragraph G. (1), the attached notice of Amerada Hess Corporation's intention to conduct the first stage of an Abatement Plan in the NW/4 of Section 3, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico is being sent to all interested parties.

If you have any questions regarding this notice, please contact the undersigned at 915-758-6741.

Sincerely,

Samuel Small, PE
Environmental Coordinator

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Oil Conservation Division Regulations, the following Stage 1 Abatement Plan Proposal has been submitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Amerada Hess Corporation, Samuel Small, Environmental Coordinator, Telephone (915) 758-6741, P.O. Box 840, Seminole, Texas, 79360, has submitted a Stage 1 Abatement Plan Proposal for the NMGSAU Battery #94 site, located near Monument, New Mexico in NW/4 of Section 3, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico. Amerada Hess Corporation operated a crude oil tank battery at the site. Phase-separated hydrocarbon (PSH) has been observed on the ground water. The Stage 1 Abatement Plan Proposal presents the following subsurface investigation activities: determine site geology and hydrogeology; conduct a registered water well search within a 1 mile radius of the site; install monitoring wells; collect soil samples for field screening and/or laboratory analysis from each boring; collect ground water samples for laboratory analysis from each monitoring well; obtain depth to ground water measurements and calculate the ground water gradient and direction; survey all well locations by a professional land surveyor registered in the State of New Mexico; and prepare a report summarizing field activities and laboratory results.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The Stage 1 Abatement Plan Proposal may be viewed at the above address or at the Oil Conservation Division Hobbs District Office, 1625 N. French Drive, Hobbs, New Mexico 88240, Telephone (505) 393-6161 between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed Stage 1 Abatement Plan Proposal, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which written comments may be submitted.

EXHIBIT II

State Land Office
Hobbs District
3830 North Grimes
Suite C
Hobbs, NM 88240

Certified

Chris Shuey
Southwest Research
& Information Center
P. O. Box 4524
Albuquerque, N.M. 87106

Director
State Parks & Recreation
Villagra Building
Santa Fe, N.M. 87503

Certified

Marcia Simmons
KOAT-TV
3801 Carlisle NE
Albuquerque, N.M. 87108

Dr. Jay Sorenson
2800 Charleston NE
Albuquerque, N.M. 87110

Bob Steele
Land & Mineral Resources
P. O. Box 194
Laguna, N.M. 87026

Westinghouse Electric Corp.
Manager - Uranium Resources Div.
P. O. Box 355
Pittsburg, P.A. 15230

George Vlahos
Sierra Club
212 Tulane SE
Albuquerque, N.M. 87106

Lee Wilson & Associates
P. O. Box 931
Santa Fe, N.M. 87501

Secretary
New Mexico Environment Department
P. O. Box 26110
Santa Fe, NM 87504

Certified

Thomas Kellahin
Kellahin & Kellahin
P. O. Box 2265
Santa Fe, NM 87501

Director
Department of Game & Fish
Villagra Building
Santa Fe, NM 87503

Certified

Jackie Jennings
Core Laboratories, Inc.
10703 E. Bethany Drive
Aurora, CO 80014

Olson Plunk
Southwestern Public Service
P. O. Box 1261
Amarillo, TX 79170

Soil and Water Conservation Bureau
New Mexico Department of Agriculture
Agriculture Programs and Resources Division
Box 30005/APR
Las Cruces, New Mexico 88003-8005

Certified

Environmental Affairs
Public Service Company
of New Mexico
P. O. Box 2267
Albuquerque, NM 87103

Governor
Pueblo of Laguna
P. O. Box 194
Laguna, NM 87026

State Engineer
Water Resources Division
Bataan Building
Santa Fe, NM 87503

Certified

State Director
Bureau of Land Management
P. O. Box 27115
Santa Fe, NM 87502-0115

Certified

NM Citizens
Clean Air & Water
John Bartlit, Chairman
113 Monte Ray Dr., North
Los Alamos, NM 87544

William F. Carr
Campbell & Black
P. O. Box 2208
Santa Fe, NM 87501

NM Municipal League
P. O. Box 846
1229 Paseo De Peralta
Santa Fe, NM 87501

Jay Lazarus
P. O. Box 5727
Santa Fe, NM 87502

Director
Water Resources Dept.
P. O. Box 1293
Albuquerque, NM 87103

NM Water Well Association
1205 California NE
Albuquerque, NM 87110

Field Supervisor
US Fish & Wildlife Service
2105 Osuna Road, Northeast
Albuquerque, NM 87113-1001

Certified

Patricia A. D'Andrea
P. O. Box 6387
Santa Fe, NM 87502

Bruce S. Garber
Attorney at Law
P. O. Box 0850
Santa Fe, NM 87504-0850

Mike Matush
State Land Office Building
Santa Fe, NM 87503

Certified

Science Applications, Inc.
P. O. Box 3344
Boulder, CO 80303

Dr. Harry Bishara
P. O. Box 748
Cuba, NM 87013

Director
Albuquerque Environmental
Health Department
P. O. Box 1293
Albuquerque, NM 87103

John Draper
Montgomery & Andrews
P. O. Box 2307
Santa Fe, NM 87504

Perry Pearce
Burlington Resources
300 Galisteo, Suite 101
Santa Fe, NM 87501

Lynn Brandvold
NM Bureau of Mines &
Mineral Resources
NM Institute of Mining & Tech.
Socorro, NM 87801

Certified

Jeanne Haffen
El Paso Natural Gas
P. O. Box 1492
El Paso, TX 79978

Richard P. Chagnon
Hydrologist
2825 E. Malvern Drive
Tucson, AZ 85716

Regional Forester
USFS Regional Office
517 Gold Avenue SW
Albuquerque, NM 87102

Certified

Director
Colorado River Comm
of Nevada
555 East Washington Avenue,
Suite 3100
Las Vegas, NV 89158

Gerald R. Zimmerman
Colorado River Board of Calif.
770 Fairmont Ave., Ste. 100
Glendale, CA 91203-1035

Director
Division of Water Quality
288 North 1460 West
Salt Lake City, UT 84114

Jack A. Barnett
Colorado River Basin Ctrl. Forum
106 West 500 South,
Suite 101
Bountiful, UT 84010

Chief
Groundwater Bureau
Runnels Building
Santa Fe, NM 87504

Certified

Chief
Hazardous Waste Bureau
Runnels Building
Santa Fe, NM 87504

Certified

Thomas W. Merlan, Director
228 East Palace Avenue
Villa Rivera Room 101
Santa Fe, NM 87503

Chester Rail
10613 Calle De Elena NW
Albuquerque, NM 87048

Ken Marsh
Controlled Recovery Inc.
P. O. Box 369
Hobbs, NM 88241

Attorney General's Office
P. O. Box 1508
Santa Fe, NM 87504

Certified

Colin Adams
Environmental Counsel
Public Service Company
of New Mexico
414 Silver, Southwest
Albuquerque, NM 87158

Devon E. Jercinovic
International Technology Corp.
5301 Central Avenue, N.E.
Suite 700
Albuquerque, NM 87108

NM Oil & Gas Association
P. O. Box 1864
Santa Fe, New Mexico 87504-1864

Len Oyenque
The Tewa Company
P.O. Box 1261
San Juan Pueblo, NM 87566

William Turner
New Mexico Trustee for Natural Resources
c/o American Ground Water Consultants
610 Gold St. SW, Suite 111
Albuquerque, NM 87102

Certified

Lea County Commission
100 N. Main St., Ste. 4
Lovington, NM 88260

Certified

Byrd Ranches
P.O. Box 32
Monument, NM 88265

Certified

Jimmie B. Cooper
P.O. Box 36
Monument, NM 88265

Certified

Jimmie T. Cooper
P.O. Box 55
Monument, NM 88265

Certified

Elsie Reeves
P.O. Box 90706
White Mountain Lake, AZ 85912

Certified

Joe Ray Williams
P.O. Box 75285
Albuquerque, NM 87194

Certified

Arthur T. Schwertfeger
413 W. Blanco
Hobbs, NM 88240

Certified

STATE OF NEW MEXICO

County of Bernalillo

SS

Bill Tafoya, being duly sworn, declares and says that he is Classified Advertising Manager of The Albuquerque Journal, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made of assessed as court cost; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for 1 times, the first publication being on the 29 day of July, 2001, and the subsequent consecutive publications on _____, 2001.

[Signature]
Sworn and subscribed to before me, a Notary Public, in and for the County of Bernalillo and State of New Mexico this 30 day July of 2001.

PRICE 33.99

Statement to come at end of month.

ACCOUNT NUMBER 083227

CLA-22-A (R-1/93)



OFFICIAL SEAL
Samantha Weis
NOTARY PUBLIC
STATE OF NEW MEXICO

My Commission Expires: 10/20
[Signature]

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Oil Conservation Division Regulations, the following Stage 1 Abatement Plan Proposal has been submitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Amerada Hess Corporation, Samuel Small, Environmental Coordinator, Telephone (915) 758-6741, P.O. Box 840, Seminole, Texas 79360, has submitted a State 1 Abatement Plan Proposal for the NMGSAJ Battery #94 site, located near Monument, New Mexico in NW/4 of Section 3, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico. Amerada Hess Corporation operated a crude oil tank battery at the site. Phase-separated hydrocarbon (PSH) has been observed on the ground water. The Stage 1 Abatement Plan Proposal presents the following subsurface investigation activities: determine site geology and hydrogeology; conduct a registered water well search within a 1 mile radius of the site; install monitoring wells; collect soil samples for field screening and/or laboratory analysis from each boring; collect ground water samples for laboratory analysis from each monitoring well; obtain depth to ground water measurements and calculate the ground water gradient and direction; survey all well locations by a professional land surveyor registered in the State of New Mexico; and prepare a report summarizing field activities and laboratory results.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The Stage 1 Abatement Plan Proposal may be viewed at the above address or at the Oil Conservation Division Hobbs District Office, 1625 N. French Drive, Hobbs, New Mexico 88240, Telephone (505) 393-6161 between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed Stage 1 Abatement Plan Proposal, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which written comments may be submitted.
Journal: July 29, 2001

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

weeks.

Beginning with the issue dated

July 28 2001

and ending with the issue dated

July 28 2001

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 30th day of

July 2001

Jodi Benson

Notary Public.

My Commission expires
October 18, 2004
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE

July 28, 2001

NOTICE OF PUBLICATION
STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES
DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Oil Conservation Division Regulations, the following Stage 1 Abatement Plan Proposal has been submitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Amerada Hess Corporation, Samuel Small, Environmental Coordinator, Telephone (915) 758-6741, P.O. Box 840, Seminole, Texas, 79360, has submitted a Stage 1 Abatement Plan Proposal for the NMGS AU Battery #94 site, located near Monument, New Mexico in NW/4 of Section 3, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico. Amerada Hess Corporation operated a crude oil tank battery at the site. Phase-separated hydrocarbon (PSH) has been observed on the ground water. The stage 1 Abatement Plan Proposal presents the following subsurface investigation activities: determine site geology and hydrology; conduct a registered water well search within a 1 mile radius of the site; install monitoring wells; collect soil samples for field screening and/or laboratory analysis from each boring; collect ground water samples for laboratory analysis from each monitoring well; obtain depth to ground water measurements and calculate the ground water gradient and direction; survey all well locations by a professional land surveyor registered in the State of New Mexico; and prepare a report summarizing field activities and laboratory results.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The Stage 1 Abatement Plan Proposal may be viewed at the above address or at the Oil Conservation Division Hobbs District Office, 1625 N. French Drive, Hobbs, New Mexico 88240, Telephone (505) 393-6161 between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed Stage 1 Abatement Plan Proposal, the Director of the oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which written comments may be submitted.

#18325

01100986000 02548765
AMERADA HESS CORPORATION
PO BOX 840
SEMINOLE, TX 79360

AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

OIL CONSERVATION
01 AUG 24 PM 12:36

August 21, 2001

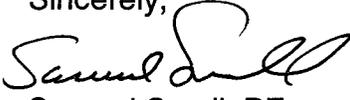
CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7001 0360 0003 1887 7869

Mr. Roger C. Anderson
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: **Groundwater Abatement Plan (AP-19)**
NMGSAU Battery 94
Lea County, New Mexico

Dear Mr. Anderson:

Pursuant to your letter of July 5, 2001, enclosed find the Lovington Leader affidavit of publishing of the notification of the Stage 1 abatement proposal for the subject plan. If you have any questions, please contact the undersigned at 915-758-6741.

Sincerely,

Samuel Small, PE
Environmental Coordinator

Xc: OCD -- District 1
Houston Environmental File
PBBU Environmental File
Monument File

Affidavit of Publication

OIL CONSERVATION DIV.
01 AUG 24 PM 12:56

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

NOTICE OF PUBLICATION
LEGAL NOTICE
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Oil Conservation Division Regulations, the following Stage 1 Abatement Plan Proposal has been submitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

Amerada Hess Corporation, Samuel Small, Environmental Coordinator, Telephone (915) 758-6741, P.O. Box 840, Seminole, Texas, 79360, has submitted a Stage 1 Abatement Plan Proposal for the NMGSAU Battery #94 site, located near Monument, New Mexico in NW/4 of Section 3, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico. Amerada Hess Corporation operated a crude oil tank battery at the site. Phase-separated hydrocarbon (PSH) has

1625 N. French Drive, Hobbs, New Mexico 88240, Telephone (505) 393-6161 between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed Stage 1 Abatement Plan Proposal, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which written comments may be submitted.

Published in the Lovington Daily Leader July 26, 2001.

That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, for one (1) day, beginning with the issue of July 26, 2001 and ending with the issue of July 26, 2001.

And that the cost of publishing said notice is the sum of \$ 49.03 which sum has been (Paid) as Court Costs.

Joyce Clemens

Subscribed and sworn to before me this 20th day of August 2001

Debbie Schilling

Debbie Schilling

Notary Public, Lea County, New Mexico

My Commission Expires June 22, 2002



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

July 5, 2001

CERTIFIED MAIL
RETURN RECEIPT NO: 3771-7422

Mr. Samuel Small
Amerada Hess Corporation
P.O. Box 840
Seminole, Texas 79360

**RE: GROUND WATER ABATEMENT PLAN (AP-19)
NMGSAU BATTERY #94
MONUMENT, NEW MEXICO**

Dear Mr. Small:

The New Mexico Oil Conservation Division (OCD) has reviewed Amerada Hess Corporation's (AHC) February 21, 2001 "ABATEMENT PLAN AP-19, NMGSAU BATTERY #94, LEA COUNTY, NEW MEXICO, RESPONSE TO OCD LETTER OF FEB. 5, 2001" and October 30, 2000 "STAGE 1 ABATEMENT PLAN, ABANDONED COOPER F & G BATTERY SITE, NMGSAU BATTERY NO. 94, NW ¼, OF SEC 3, T-20S, R-37E, LEA COUNTY". These documents contain AHC's proposed Stage 1 abatement plan for investigation of the extent of contamination related to AHC's NMGSAU battery #94 located in the NW/4 of Section 3, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico.

The OCD has determined that the above referenced Stage 1 Abatement Plan Proposal is administratively complete. Before the OCD can complete a review of the Stage 1 proposal, the OCD requires that:

1. AHC issue by July 20, 2001 the enclosed Stage 1 notice of publication in the Albuquerque Journal, Lovington Daily Leader and Hobbs News Sun pursuant to OCD Rule 19.G.(2).
2. Prior to issuing public notice, AHC shall issue written notice of the Stage 1 proposal pursuant to OCD Rule 19.G.(1). Enclosed you will find a 3.5" disk containing a "Word"

listing "those persons, as identified by the Director, who have requested notification" pursuant to OCD Rule 19.G.(1).(d). The disk also contains the contact for the New Mexico Trustee for Natural Resources.

3. AHC provide the OCD with proof of publication and proof of written notice by August 5, 2001.

If you have any questions, please contact Bill Olson of my staff at (505) 476-3491.

Sincerely,



for Roger C. Anderson
Environmental Bureau Chief

RCA/wco

enclosures

xc: Chris Williams, OCD Hobbs District Office

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Oil Conservation Division Regulations, the following Stage 1 Abatement Plan Proposal has been submitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Amerada Hess Corporation, Samuel Small, Environmental Coordinator, Telephone (915) 758-6741, P.O. Box 840, Seminole, Texas, 79360, has submitted a Stage 1 Abatement Plan Proposal for the NMGSAU Battery #94 site, located near Monument, New Mexico in NW/4 of Section 3, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico. Amerada Hess Corporation operates a crude oil tank battery at the site. Phase-separated hydrocarbon (PSH) has been observed on the ground water. The Stage 1 Abatement Plan Proposal presents the following subsurface investigation activities: determine site geology and hydrogeology; conduct a registered water well search within a 1 mile radius of the site; install monitoring wells; collect soil samples for field screening and/or laboratory analysis from each boring; collect ground water samples for laboratory analysis from each monitoring well; obtain depth to ground water measurements and calculate the ground water gradient and direction; survey all well locations by a professional land surveyor registered in the State of New Mexico; and prepare a report summarizing field activities and laboratory results.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The Stage 1 Abatement Plan Proposal may be viewed at the above address or at the Oil Conservation Division Hobbs District Office, 1625 N. French Drive, Hobbs, New Mexico 88240, Telephone (505) 393-6161 between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed Stage 1 Abatement Plan Proposal, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which written comments may be submitted.

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: Range: Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

Well / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

WATERS Menu

Help

WELL / SURFACE DATA REPORT 10/18/2001

(acre ft per annum)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

X Y are in Feet

UTM are i
UTM_Zone

DB File Nbr	Use	Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q	q	q	q	Zone	X	Y	UTM_Zone
L 01902	STK	3	CLYDE SPEARS	L 01902 RPR	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 01903	DOM	3	CLYDE SPEARS	L 01903	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 03738	PRO	3	MAKIN DRILLING CO.	L 01903 RPR	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 03738	PRO	3	MAKIN DRILLING CO.	L 03738	Shallow	19S	37E	33	4	4	4	4	PLUGGED ?			13
L 03988	DOM	3	HAROLD VAN KOPCZYNSKI	L 03738 APPRO	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 03988	DOM	3	HAROLD VAN KOPCZYNSKI	L 03988 APPRO	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 03993	DOM	3	J. A. HAMMER	L 03988 APPRO	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 03993	DOM	3	J. A. HAMMER	L 03993 APPRO	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 04405	DOM	3	M. D. TILLEY	L 03993 APPRO	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 04405	DOM	3	M. D. TILLEY	L 04405 APPRO	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 04448	DOM	3	HAROLD VAN KOPEZYNSKI	L 04448 APPRO	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 04448	DOM	3	HAROLD VAN KOPEZYNSKI	L 04448 APPRO	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 04806	DOM	3	JAMES COLBERT	L 04806 APPRO	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 04809	DOM	3	VERNON A. CLARK	L 04806 APPRO	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 04819	DOM	3	E. R. GLENN	L 04809	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 04819	DOM	3	E. R. GLENN	L 04819 EXP	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 04820	DOM	3	BILL A. HAMMER	L 04819 EXP	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13
L 04820	DOM	3	BILL A. HAMMER	L 04820 APPRO EXP	Shallow	19S	37E	33	3	3	3	3	> ONE MILE			13

L	04621	DOM	3	BUDDY ADAMS	L	04821		19S	37E	33	3	3	> ONE MILE	13
L	04822	DOM	3	ED BARNES	L	04822	APPRO EXP	19S	37E	33	3	3	> ONE MILE	13
L	04842	DOM	3	ROSCOE ROGERS	L	04822	APPRO EXP	19S	37E	33	3	3	> ONE MILE	13
L	04929	DOM	3	I. A. WELCH	L	04842		19S	37E	33	3	3	> ONE MILE	13
L	06796	SAN	3	NORTHERN NATRUAL GAS COMPANY	L	04929		19S	37E	33	3	3	> ONE MILE	13
L	08246	DOM	3	JOE R. WILLIAMS	L	06796		19S	37E	33	2	1	> ONE MILE	13
L	08501	DOM	3	EDWARD E. & CYNTHIA A. WEBB	L	08246	EXP	19S	37E	33	4	4	ACTIVE	13
L	08803	DOM	3	TOMMY EVANS	L	08501		19S	37E	33	4	3	> ONE MILE	13
L	08885	DOM	3	JOE R. WILLIAMS	L	08803	EXP	19S	37E	34	1	1	INACTIVE	13
L	09127	DOM	3	JOE R. WILLIAMS	L	08885	EXP	19S	37E	33	4	3	INACTIVE	13
L	09128	DOM	3	JOE R. WILLIAMS	L	09127	EXP	19S	37E	33	4	3	> ONE MILE	13
L	09129	DOM	3	JOE R. WILLIAMS	L	09128	EXP	19S	37E	33	3	3	> ONE MILE	13
L	09681	STK	3	JOE R. WILLIAMS	L	09129	EXP	19S	37E	33	4	3	UNABLE TO LOCATE	13
L	09692	DOM	3	DARREL TAYLOR	L	09128	EXP	19S	37E	33	3	1	UNABLE TO LOCATE	13
L	09768	DOM	3	JAMES DOWELL	L	09129	EXP	19S	37E	33	4	3	UNABLE TO LOCATE	13
L	10166	DOM	3	CARLYLE J. HALL	L	09681		19S	37E	33	1	1	> ONE MILE	13
L	10386	DOM	3	SETZLER VO AND SANDRA	L	09692	EXP	19S	37E	33	4	3	UNABLE TO LOCATE	13
L	10391	DOM	3	ANTILLA DALE A & NANCY L	L	09768		19S	37E	34	1	1	> ONE MILE	13
L	10397	DOM	3	MORROW ELMER	L	10166		19S	37E	34	3	4	> ONE MILE	13
L	10403	STK	3	SETZLER V O OR SAUNDRA	L	10386		19S	37E	34	1	1	> ONE MILE	13
					L	10391		19S	37E	34	1	1	> ONE MILE	13
					L	10397		19S	37E	33	1	2	> ONE MILE	13
					L	10403		19S	37E	34	1	2	> ONE MILE	13

Record Count: 44

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: Range: Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

Well / Surface Data Report Avg Depth to Water Report Water Column Report

WATER COLUMN REPORT 10/18/2001

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

Well Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column	Water (in feet)
L 04806	19S	37E	33	1	2	2				60	35	25	
L 10397	19S	37E	33	2	1					34	13	21	
L 06796	19S	37E	33	3						80			
L 04405 APPRO	19S	37E	33	3						45	37	8	
L 04929	19S	37E	33	3						55	27	28	
L 04405	19S	37E	33	3						45	37	8	
L 04809	19S	37E	33	3						60	35	25	
L 04842	19S	37E	33	3						60	35	25	
L 03993 APPRO	19S	37E	33	3						75	29	46	
L 03993	19S	37E	33	3						75	29	46	
L 09128	19S	37E	33	3		1				30	26	4	
L 04448 APPRO	19S	37E	33	3		3				46	36	10	
L 03988 APPRO	19S	37E	33	3		3				75	29	46	
L 03988	19S	37E	33	3		3				75	29	46	
L 04448	19S	37E	33	3		3				46	36	10	
L 09681	19S	37E	33	4		3				52	39	13	
L 09129	19S	37E	33	4		3				52	43	9	
L 08501	19S	37E	33	4		3				43	29	14	
L 03738	19S	37E	33	4		4				72	31	41	

L	03738	APPRO	19S	37E	33	4	4	72	31	41
L	09127		19S	37E	33	4	4	52	40	12
L	09768		19S	37E	34	1	1	39	24	15
L	10391		19S	37E	34	1	1	44	21	23
L	08803		19S	37E	34	1	1	41	25	16
L	10403		19S	37E	34	1	1	41	20	21
L	10386		19S	37E	34	1	2	34	21	21
L	10166		19S	37E	34	3	4	35	21	13

Record Count: 27

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: Range: Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

WELL / SURFACE DATA REPORT 10/18/2001

DB File Nbr	Use	Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone
<u>L</u> 05686	PRO		GULF OIL CORPORATION	<u>L</u> 05686 EXP		20S	37E	03	3	2	3				13
<u>L</u> 05980	DOM	0	J.S., DAVID EARL & LAUGHLIN	<u>L</u> 05980 DCL		20S	37E	04	3	4	1				13
<u>L</u> 10069	STK	3	JIMMIE COOPER	<u>L</u> 10069	Shallow	20S	37E	04	1	1	1				13

Record Count: 3

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

X Y are in Feet
Zone X Y
UNABLE TO LOCATE
PLUGGED
DUE TO

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: Range: Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

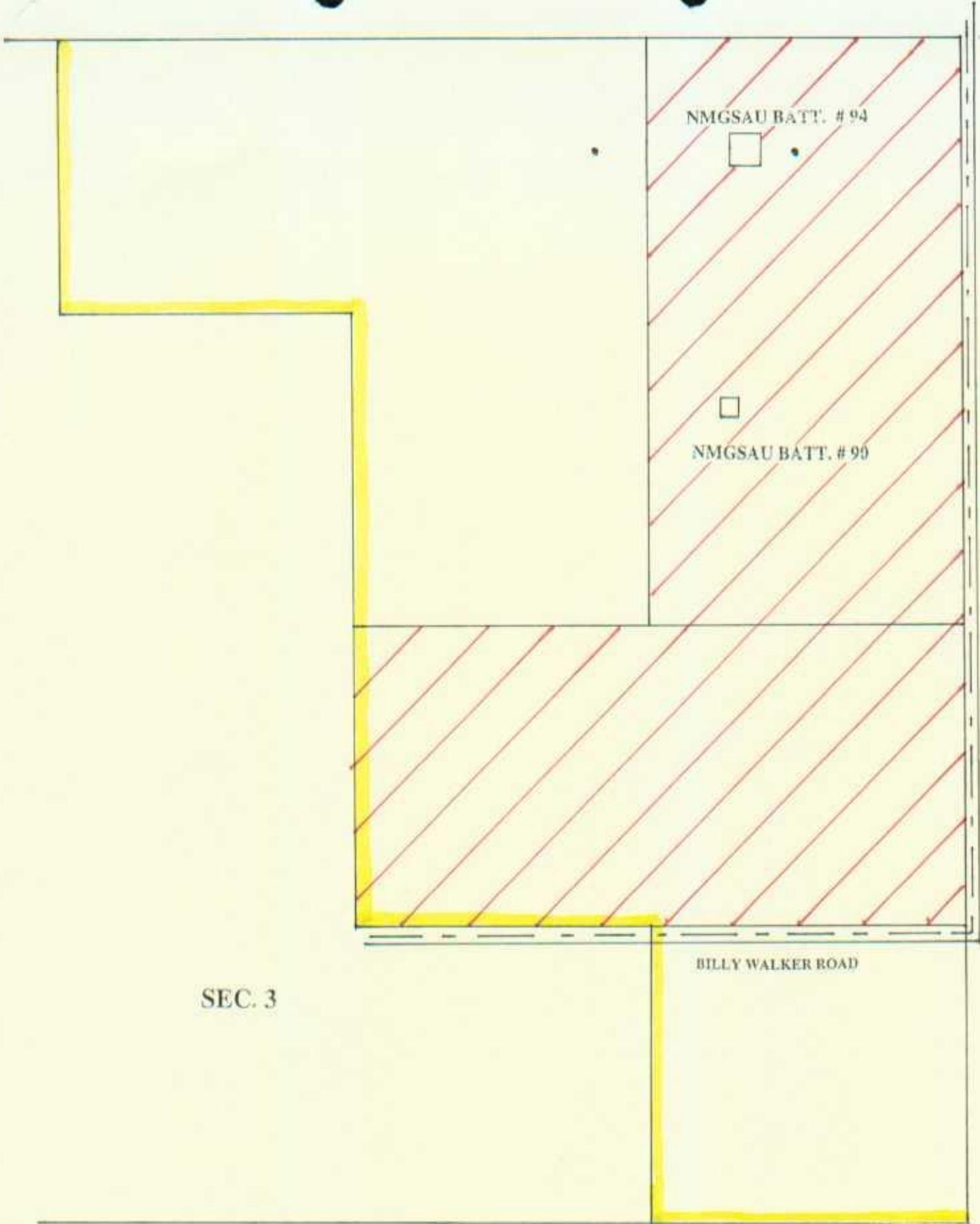
Owner Name: (First) (Last) Non-Domestic Domestic All

WATER COLUMN REPORT 10/18/2001

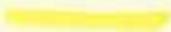
(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

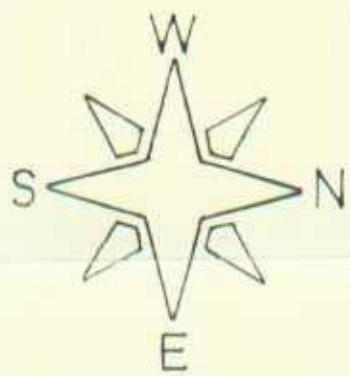
Well Number	Twrs	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column	Water (in feet)
L 10069	20S	37E	04	1	1					39	22	17	
L 05980 DCU	20S	37E	04	3	4	1				95			

Record Count: 2



SEC. 3

-  NMGSAU BOUNDARY
-  C&C LANDFARM



<p>AMERADA HESS CORPORATION NMGSAU BATTERY 94 Sec 3, T-20S, R-37E Lea County, NM</p>
--

Samples from the monitor wells will be collected and analyzed for BTEX, chloride and TDS concentrations quarterly during the first year after the wells are drilled and then annually for the duration of the abatement plan. Because this is a historical situation and much of the contaminated material has already been removed, AHC does not believe that contamination of the groundwater at the site will be an ongoing problem.

AHC anticipates having the monitor wells drilled by mid-April 2001 (depending on rig availability) and an initial investigation report submitted by early May 2001. The results of the quarterly monitoring will be provided to the NMOCD as they are obtained. A final investigation report with recommendations for future abatement activities will be submitted to the NMOCD at the conclusion of the first year of monitoring.

Sincerely,

A handwritten signature in black ink, appearing to read "Samuel Small". The signature is fluid and cursive, with a large initial "S" and a long, sweeping underline.

Samuel Small, PE
Environmental Coordinator

Xc: OCD, Hobbs District Office
Houston Environmental File
PBBU Environmental File
Monument Area File
Mr. J.T. Cooper

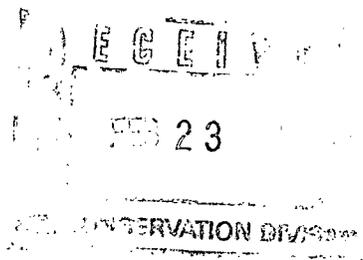
AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

February 21, 2001

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7099 3220 0009 7105 3940



Mr. Roger C. Anderson
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: **ABATEMENT PLAN AP-19**
NMGSAU Battery # 94
Lea County, New Mexico
Response to OCD letter of Feb. 5, 2001

Dear Mr. Anderson:

The site on which the abandoned NMGSAU Battery No. 94 was situated is located within the boundary of the C & C Landfarm. The site is in the west 80 acre expanded area of the landfarm. A plat of the site is attached.

Amerada Hess Corporation (AHC) purchased the San Andres rights beneath the Cooper F & G leases, along with well equipment and the tank battery equipment in 1989 from Byrom Oil Company. The contamination, on initial investigation, appears to be the result of past operations at the battery and the associated evaporation pit. As previously reported to the NMOCD, water contamination was discovered while vadose zone contamination beneath the tank battery pad and evaporation pit was being cleaned up in Oct. 2000. AHC is unaware of any site investigations having been conducted prior to Oct. 2000.

The Stage 1 investigation will include collecting groundwater samples, if practical, from any water wells located within a one (1) mile radius of the site and having them analyzed for BTEX, chloride and TDS concentrations. Groundwater depths in the wells will also be measured.

As stated in the AHC letter of October 30, 2000, initially four (4) monitor wells will be drilled in the vicinity of the current excavation, three (3) in the assumed down-gradient direction and one in the assumed up-gradient direction. Groundwater samples from the wells will be collected and analyzed for BTEX, chloride and TDS concentrations. Groundwater depths will be measured and a hydraulic gradient across the site will be determined. The need for any additional monitor wells will be evaluated after the initial wells are completed.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

February 5, 2001

CERTIFIED MAIL
RETURN RECEIPT NO. 5051-4058

Mr. Samuel Small
Amerada Hess Corporation
P.O. Box 840
Seminole, Texas 79360

**RE: ABATEMENT PLAN AP-19
NMGSAU BATTERY #94
MONUMENT, NEW MEXICO**

Dear Mr. Small:

The New Mexico Oil Conservation Division (OCD) has reviewed Amerada Hess Corporation's (AHC) October 30, 2000 "STAGE 1 ABATEMENT PLAN, ABANDONED COOPER F & G BATTERY SITE, NMGSAU BATTERY NO. 94, NW ¼, OF SEC 3, T-20S, R-37E, LEA COUNTY". This document contains AHC's proposed Stage 1 abatement plan for investigation of the extent of contamination related to AHC's NMGSAU battery #94 located in the NW/4 of Section 3, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico.

The above referenced document is not administratively complete because it does not contain the following items pursuant to OCD Rule 19.E.3:

1. Descriptions of the site, including a site map, and of site history including the nature of the release that caused the water pollution, and a summary of previous investigations.
2. A plan to inventory all water wells inside and within one (1) mile of the perimeter of the site.
3. A monitoring program, including sampling stations and frequencies for the duration of the abatement plan.
4. A schedule for all Stage 1 Abatement Plan activities, including the submission of monitoring reports and the submission of a detailed final site investigation report.

Please submit the above information to the OCD Santa Fe Office by March 9, 2001 with a copy provided to the OCD Hobbs District Office.

If you have any questions, please call Bill Olson of my staff at (505) 476-3491.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger C. Anderson". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Roger C. Anderson
Environmental Bureau Chief

xc: Chris Williams, OCD Hobbs District Office

RECEIVED

AMERADA HESS CORPORATION

NOV - 1 2000
SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

October 30, 2000

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7099 3220 0009 7105 3902

Mr. William C. Olson
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Stage 1 Abatement Plan
Abandoned Cooper F & G Battery Site
NMGSAU Battery No. 94
NW ¼, of Sec 3, T-20S, R-37E, Lea County

Dear Mr. Olson:

On October 19, 2000, ground water was encountered while excavating hydrocarbon-contaminated material from the subject abandoned battery site. Pursuant to the requirements of SW Rule 19, E, (2)(b)(3), Amerada Hess Corporation (AHC) is submitting the following Stage 1 abatement plan for approval.

AHC proposes to delineate the extent of the groundwater contamination by drilling and sampling a number of monitor wells in the immediate vicinity of the excavation. Initially, wells will be drilled to the north, east, southeast and west of the excavation. Additional wells will be drilled as necessary to delineate the contamination plume. The well locations and ground level elevations will be platted by a licensed surveyor. The fluid level data gathered from the wells will be used to determine the magnitude and direction of the hydraulic gradient across the site.

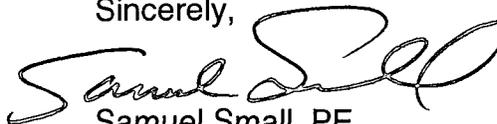
The monitor wells will be drilled to a depth at least ten (10) feet below the water table. Vadose zone and aquifer samples will be collected at five (5) foot intervals from each well to develop a geologic log, and the samples will be analyzed for chloride, TPH and BTEX concentrations. Analysis will be performed using appropriate NMOCD approved protocols with documented QA/QC. A fifteen-foot well screen will be gravel packed across the aquifer and five (5) feet above the water table in each well with the gravel pack continuing 2-3 feet above the screen. A 2-3 foot bentonite plug will be placed above the gravel pack and the casing will be grouted to the surface with cement containing 5% bentonite. Locked vaults will be installed on each monitor well.

The monitor wells will be developed consistent with EPA and or ASTM approved methods. Water samples gathered from the wells will be analyzed for concentrations of BTEX, chlorides and TDS.

The NMOCD Hobbs District Office will be notified at least 48 hours before work commences on site. Upon completion of the investigation, AHC will submit a report detailing the findings. The report will include all geologic logs, drill sample and water analyses, and a plat of the investigation site with fluid level depths noted on the plat.

If you have any questions or require a modification of this plan, please contact the undersigned at the letterhead address.

Sincerely,

A handwritten signature in cursive script, appearing to read "Samuel Small".

Samuel Small, PE
Environmental Coordinator

Xc: NMOCD Hobbs District Office
Houston Environmental File
PBBU Environmental File
Monument File
Mr. J.T. Cooper

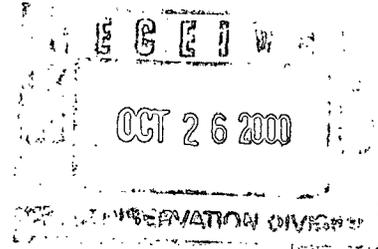
AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE
OFFICE 915/758-6741
FAX 915/758-6768

P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

October 24, 2000

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
Z 437 801 886



New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505
Attn: Mr. William C. Olson

This letter will serve as written notification of the groundwater impact reported verbally to the NMOCD Hobbs District Office on October 20, 2000. In the process of excavating hydrocarbon contaminated material from the site of the abandoned Cooper F&G Battery (NMGSAU Battery No. 94) located in the NW⁴ of Sec. 3, T-20S, R-37E, Lea County, NM, groundwater was encountered at approximately 34 feet from the surface. The groundwater appeared to be contaminated with crude oil. The groundwater was encountered on Oct. 19, 2000 and the situation was reported to Mr. Gary Wink, by Amerada Hess Corporation (AHC), on Oct. 20, 2000.

The site is located inside the boundaries of the C&C Landfarm (expanded project) on land owned by Mr. Jimmy Cooper. The Cooper F&G Leases are included in the AHC operated North Monument Graybury/San Andres Unit and the battery was abandoned as part of the Unit battery consolidation project.

AHC will supply the NMOCD with a plan for delineating the extent of the contamination in the near future. Meanwhile, work is continuing to remove the contaminated source material.

If you have any questions, please contact the undersigned at 915-758-6741 or Mr. Rob Williams at 505-393-2144 (ext. 103).

Sincerely,

A handwritten signature in black ink, appearing to read "Samuel Small". The signature is fluid and cursive, with a large initial "S".

Samuel Small, PE
Environmental Coordinator

Xc: NMOCD Hobbs District Office
Houston Environmental Files
PBBU Environmental Files
Monument Files