

# **ENVIROMENTAL SITE ASSESSMENT WORKPLAN**



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON  
Governor  
Jennifer A. Salisbury  
Cabinet Secretary

Lori Wrotenbery  
Director  
Oil Conservation Division

May 23, 2000

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. 5051-3167**

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

**RE: NORTH MONUMENT GRAYBURG/SAN ANDRES UNIT TANK BATTERY #70**

Dear Mr. Small:

The New Mexico Oil Conservation Division (OCD) has reviewed Amerada Hess Corporation's (AHC) February 1, 2000 "STATUS REPORT, SITE RESTORATION, TEXACO STATE H ABANDONED BATTERY, LEA COUNTY, NEW MEXICO". This document contains the results of AHC's remediation of hydrocarbon contamination related to operation of the North Monument Grayburg/San Andres Unit Battery #70 located in the SW ¼ of Section 32, Township 19 South, Range 37 East, NMPM, Lea County, New Mexico.

A review of this report shows that elevated levels of total petroleum hydrocarbons (TPH) and chlorides exist in the base of the excavated area. Due to the shallow nature of ground water in this area, the OCD requires that AHC submit a plan to the OCD to investigate the extent of contamination at the site. Please submit the work plan to the OCD Santa Fe Office by July 21, 2000 with a copy provided to the OCD Hobbs District Office. If you have any questions, please call me at (505) 827-7154.

Sincerely,

William C. Olson  
Hydrologist  
Environmental Bureau

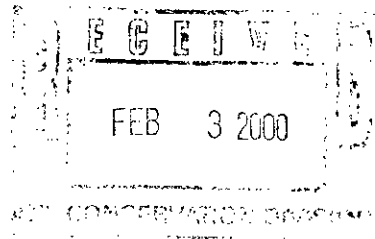
xc: Chris Williams, OCD Hobbs District Office.

# 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 1, 2000



Ms Myra Meyers  
New Mexico State Land Office  
3830 N. Grimes, Ste. C  
Hobbs, New Mexico 88240

RE: **Status Report**  
Site Restoration  
Texaco State H Abandoned Battery  
Lea County, New Mexico

Enclosed is a status report for the work being done at the referenced site. A copy of the report is being forwarded to the OCD at their request.

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

Sincerely,

Sam Small, PE  
Environmental Coordinator

Xc: OCD - Hobbs Office w/enclosure  
OCD - Santa Fe w/enclosure  
Houston Environmental Files w/enclosure  
PBBU Environmental File w/enclosure  
Monument Area File w/enclosure

**North Monument Grayburg/San Andres Unit (NMGSAU)**  
**Battery 70**  
**(Texaco State H Lease)**

On December 7, 1999, Amerada Hess Corporation (AHC) began excavating hydrocarbon contaminated material at the site of the abandoned Texaco State H production facility (NMGSAU Battery # 70). The site is located in the SW <sup>4</sup>, Sec 32, T-19S, R-37E, Lea County, New Mexico. Material was excavated to a depth of approximately 18 – 30 inches from the surface, relative to the surrounding area, at which point well-consolidated caliche rock was encountered. The excavated material consisted of pea gravel, weathered caliche and caliche rocks. Composite samples of material remaining on the surface of the caliche were gathered, one from the east half of the excavation and one from the west half. The samples were submitted to Cardinal Laboratories for analysis of TPH, BTEX and chloride concentrations. Results of the analysis are attached.

Approximately 924 yards of contaminated material were hauled to J & L Landfarm, OCD Permit #NM-01-0023, for disposal. Clean soil was obtained from Mr. J.R. Byrd, a local rancher, to backfill the excavation and return the site to contour. The site will be re-seeded with native grasses in the spring.



# ARDINAL LABORATORIES

PHONE (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR  
WALTON CONSTRUCTION  
ATTN: DAVID WALTON  
P.O. BOX 459  
HOBBS, NM 88241  
FAX TO:

Receiving Date: 12/09/99  
Reporting Date: 12/10/99  
Project Number: NOT GIVEN  
Project Name: TEXACO STATE H BATTERY  
Project Location: MONUMENT, NM

Sampling Date: 12/09/99  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		12/09/99	12/09/99	12/09/99	12/09/99
H4501-1	EB	<0.002	<0.002	<0.002	<0.006
H4501-2	WB	<0.002	<0.002	<0.002	<0.006
H4501-3	ESP	<0.002	<0.002	0.003	0.007
H4501-4	WSP	<0.002	<0.002	0.004	0.011
Quality Control		0.088	0.091	0.092	0.285
True Value QC		0.100	0.100	0.100	0.300
% Recovery		87.6	90.8	91.9	95.0
Relative Percent Difference		0.8	3.9	2.5	1.7

Spoils pile  
Spoils pile

METHOD: EPA SW-846 8260

Raymond A. Cooby  
Chemist

12/10/99  
Date

H4501A.XLS



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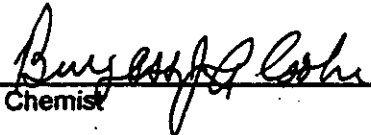
Receiving Date: 12/09/99  
Reporting Date: 12/10/99  
Project Number: NOT GIVEN  
Project Name: TEXACO STATE H BATTERY  
Project Location: MONUMENT, NM

Sampling Date: 12/09/99  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO	DRO	Cl <sup>-</sup>
		(C <sub>8</sub> -C <sub>10</sub> ) (mg/Kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		12/09/99	12/09/99	12/10/99
H4501-1	EB	<50	233	462
H4501-2	WB	<50	<50	142
H4501-3	ESP	<50	821	195
H4501-4	WSP	<50	1010	124
Quality Control		854	1018	978
True Value QC		1000	1000	1000
% Recovery		85.4	102	97.8
Relative Percent Difference		6.6	5.4	2.2

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

NOTE: Cl<sup>-</sup> analyses done on 1:4 w/v aqueous extracts.

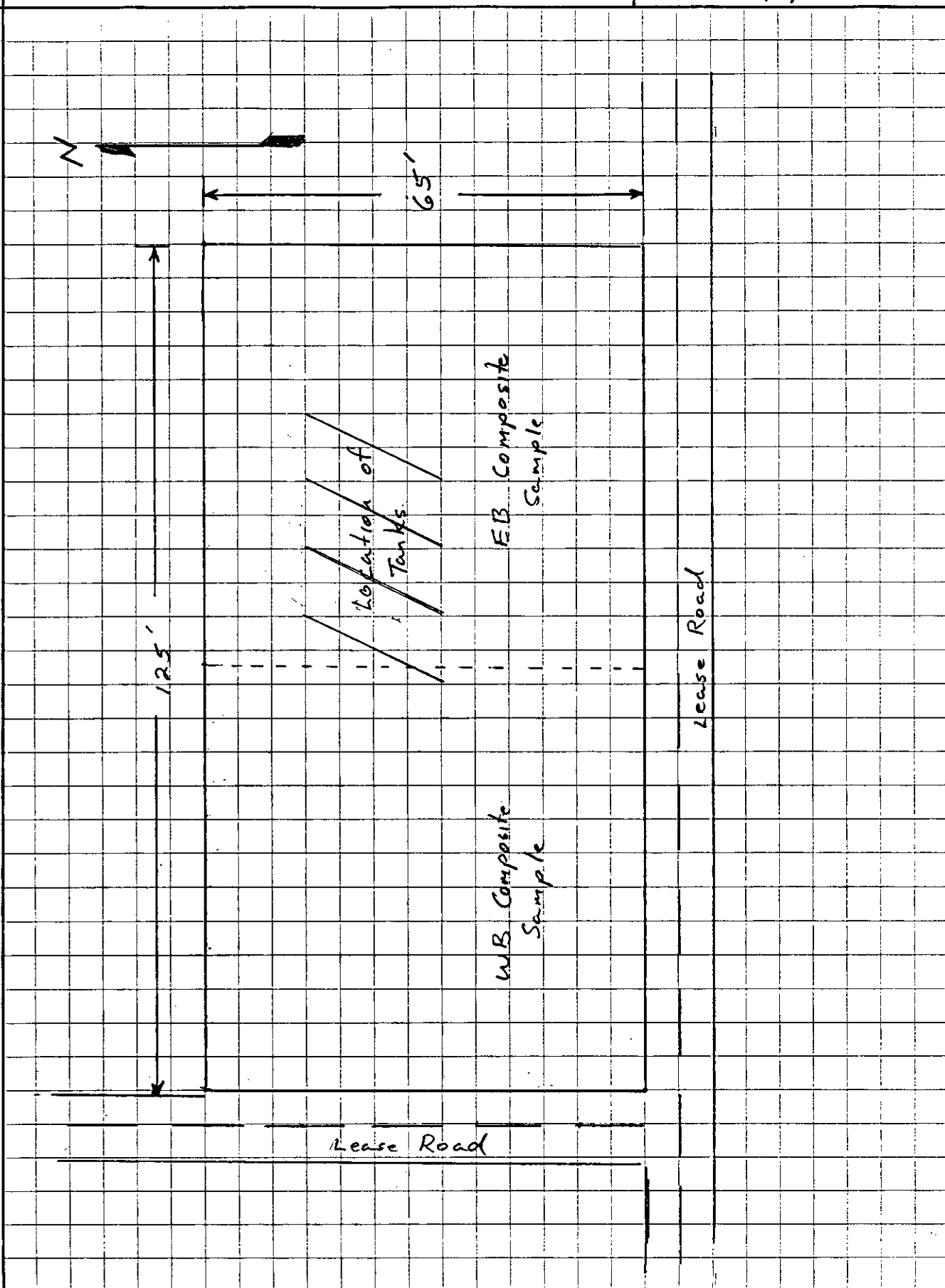
  
Chemist

12/10/99  
Date

H4501B.XLS

PROJECT: NMGSAU Battery 70  
Texaco State H

BY: SWS  
DATE: 2/1/00







NMGSAU Battery 70  
(Texaco State H)  
12/06/99  
Prior to Excavation



NMGSAU Battery 70  
(Texaco State H)  
12/06/99  
Prior to Excavation





NMGSAU Battery 70  
(Texaco State H)  
12/09/99  
Excavation at Total Depth



NMGSAU Battery 70  
(Texaco State H)  
12/09/99  
Excavation at Total Depth





NMGSAU Battery 70  
(Texaco State H)  
12/16/99  
Site Returned to Contour