# 1R - 187

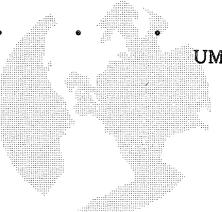
## REPORTS

## DATE: 7/17/1998

3311 North Grimes Hobbs, New Mexico 88240 Telephone {505} 392-0659 FAX {505} 392-4547 e-Mail: callsafe@gte.net

### Callaway Safety Equipment Co., Inc.

## Final Remedial Action Report - ADDENDUM



UMC/Ocean Energy: Carlisle State Com #1 "Halliburton North Pit" N.M.P.M. S15 T16S R35E 990' FNL & 2310' FWL Lea County New Mexico

Submitted July 17, 1998

ADDENDUM submitted October 22, 1998

Summary of the environmental remedial actions associated with this unlined pit

#### **Discussion:**

The information provided in this Addendum to the Final Remedial Action Report for the Halliburton North Pit, UMC/Ocean Energy, Carlisle State Com #1 dated July 17, 1998 details the environmental sampling results of the material utilized to backfill the pit and photographic documentation of completed surface contouring.

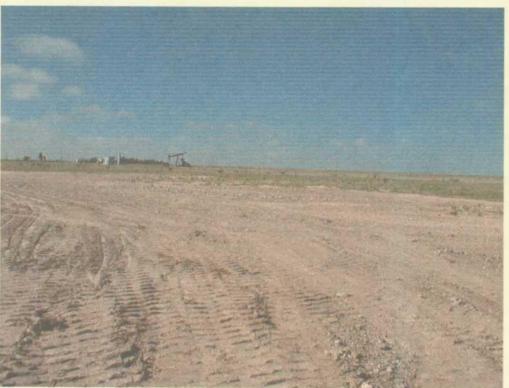
### **Analytical Results:**

Personnel from Whole Earth Environmental, Inc. collected soil samples of the endemic backfill material on August 27, 1998, placed the sample in ice, and delivered to Callaway Safety Equipment Co., Inc.. The samples were delivered to Cardinal Laboratories, Inc. (Hobbs, New Mexico) for analyses that afternoon with the samples being analyzed on August 28, 1998. The original Chain-of-Custody/Analytical Request Form and Analytical Results Report are attached. The analytical results are summarized in the matrix below.

	Halliburto	n North Ba	ackfill Mate	rial Analyti	cal Results		
Sample ID#	TPH	Cl	Benzene	Toluene	Ethyl Benzene	Total Xylenes	
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
S98827HNP	179	2060	< 0.002	< 0.002	< 0.002	< 0.006	

### **Photographic Documentation:**

Below is a photograph of the backfilled and contoured pit.



Halliburton North & South Pit after Final Backfilling and Contouring August 27, 1998

e			CHAIN-OF-CI	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
JAR AR				
	2111 Beechwood, Abilene, TX 79603    101 Ea (915) 673-7001 Fax (915) 673-7020    (505) 3	101 East Marland, Hobbs, NM  88240 (505) 393-2326 Fax (505) 393-2476	1240 6	Pageof
Company Name: <				ANALYSIS REQUEST
Project Manager:		BILL TO PO #:		
Address: 33//	N. CAIMES	Company: SAME	(7*	
city: HDBBS	State: 110 21p: 88240	Attn:	عسد	
Phone #: 505.	. 392.0659	Address:		
Fax #: 505	505.392.4549	city:	705 2-05	
Project #: CARUTISE #	SE # Project Owner: CEPNENERSY	State: Zip:	<u> </u>	
Project Name:	ESLE St Com #1	Phone #:	07, 81 fr	
Project Location:	4 mi West of Lovinston NM	Fax #:		
FOR LAB USE ONLY		PRES. SAMPLING		
LAB I.D.	Sample  Sample    .D.  .C.    .C.	н ЭТНЕЯ : ОТНЕЯ : ОТНЕЯ : СОО ОТНЕЯ : СОО СОО СОО СОО СОО СОО СОО СОО СОО СО	न्भविरःल्ह इम्हर मुम्म	
1-H282H		8-22-8	XXXX	
2.	X dSH28865	8-22-4 1216	XXX	
, W	EFP		×	
PLEASE NOTE: Liability and Dai analyses. Al claims including tho	N.EASE NOTE. Listify and Damages. Cardina's listify and clarits and winey for any claim articing whether based in contract of for, shall be limited to the amount paid by the clear for the makyses. At claims including those for negligence and any other cause whateoever shall be used and writing and neceived by Cardinal within 30 days after competion of the spaticable	sed in contract or tort, shall be limited to the amount peid by the client for the set writing and received by Cardinal within 30 days siter completion of the st	eld by the client for the list completion of the applicable	Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice.
service. In no event shell Cardin affiliates or successors affeing ou	service. In no event shell Cardhal be lable for incidential or consequential dumages, including without furtiation, businer profile shourds in course of profile incurred by cleart, its subsidiaries sufficies or successions artsing out of or matted to the performance of services between defined and the based upon any of the above stated reasons or otherwise.	terruptions, loss of use, or loss of profits ! r such chilm is based upon any of the abc		and all costs of collections, including attorney's fees.
Sampler Relinquist	Sampler Relinquished: Date: Received By:		) Yes	D No Additional Fax #: D No
Relinquished By:	Solars Reco	Lab Staff		
Delivered Bv: (Circle One) Sampler - UPS - Bus - Other:		Idfabr   CHECKED BY: ct (Initials) Yes No		
† Cardinal can	t Cardinal cannot accept verbal changes. Please fax written chang	nges to 915-673-7020.		

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

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

ANALYTICAL RESULTS FOR CALLAWAY SAFETY EQUIPMENT CO, INC. ATTN: PAT MCCASLAND 3311 N. GRIMES HOBBS, NM 88240 FAX TO: (505) 392-4547

Receiving Date: 08/28/98 Reporting Date: 09/01/98 Project Number: CARLISLE #1 Project Name: CARLISLE ST COM #1 Project Location: 4 MI WEST OF LOVINGTON, NM Sampling Date: 08/27/98 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: AH Analyzed By: BC/AH

TOTAL

ETHYL

							IOIAL
LAB NUMBE	R SAMPLE ID	TPH	CI	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS D	DATE:	08/28/98	08/31/98	08/28/98	08/28/98	08/28/98	08/28/98
H3824-1	S98827HNP	179	2060	<0.002	<0.002	< 0.002	<0.006
H3824-2	S98827HSP	96.4	1694	<0.002	< 0.002	<0.002	< 0.006
H3824-3	S98827EFP	115	196	<0.002	<0.002	<0.002	<0.006
Quality Cont		2810	1209	0.105	0.100	0.101	0.304
True Value QC		3000	1319	0.100	0.100	0.100	0.300
% Recovery		93.7	91.7	105	100	101	103
Relative Percent Difference		12.8	4.4	1.1	1.7	3.1	4.0

METHODS:

TRPHC-SW-846 8015 M;CI-EPA 600/4-79-020 325.3 BTEX-EPA SW-846-8260

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PLEADE NOTE: Utability 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 thiny (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.