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



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 East Flare 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.

	East Fla	re Pit Bacl	cfill Materia	I Analytica	l Results	
Sample ID#	TPH	CI.	Benzene	Toluene	Ethyl Benzene	Total Xylenes
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
S98827EFP	115	196	< 0.002	< 0.002	< 0.002	< 0.006

Photographic Documentation:

Below is a photograph of the backfilled and contoured pit.



East Flare Pit after Final Backfilling and Contouring August 27, 1998



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79803

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

						ETHYL	TOTAL
LAB NUMBER	SAMPLE ID	TPH	CI	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS DA	TE:	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 Control		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 Percer	nt 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

Com.

Burgless J. A. Cobkel. Ph.

9/1/98

PLEAPENOTE: Usefullty and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, 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 thinty (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.

			-									0	HA	0 N	Г-Cl	JSTC	λQ	ANI	DA	VAL	<u>YSIS</u>	REG	DUES	н
ARI	JINAL_LABORATO 2111 Beechwood, Abile (915) 673-7001 Fax (PRIE ene, 1 (915) (673- 57	960: 702(ء - در سرد	01 E 505)	ast 1 393-	Marl: -232(and, 5 Fa	Hobbs X (505)	s, NM 88 393-247	1240 6								Pag	ge	of /	Į	
Company Name: <	PULAWAY SAFETY FOR BANG	10	R													ANAI	LYSIS	S RE	QUE	ST				\square
Project Manager:	PAT MCALAND							88 A)]]	d (# 0	\vdash												
Address: 33//	N. CRIMES					ĺ	§	npar	ž	SAM	S	v	G e											
City: HDBBS	State: M// Zlp	о а	124	0			Atti						يعد			···								
Phone #: 505	. 392.0659						Ado	Ires						0										
Fax #: 505	· 392 · 4547						с Э	:					يف م	705										
Project #: Carury	$SE^{\frac{4}{2}}$ Project Owner	d U	192	150	660	2	Sta	ë		2	ä		2 7;	72										
Project Name:	ARKESLE St Com #1					j	Pho	ne #					RI FY	07						•				
Project Location:	4 mi West of Lov	Onab	4	my w			Fax	ŧ)	,										
FOR LAB USE ONLY			\vdash		HAT	ă		R	ES.	SAM	PLING	Π				- <u>-</u>		_	_					
LABI.D.	Sample I.D.	(G)RAB OR (C)OMP.	F CONTRINERS	MASTEWATER	SOIL		: AJHTC		DTHER:	DAT	ш	<u>уто — ш</u>	HAT	X719	apiloligi									
1-1282H	598827 HNP				\times	 		1		827	8 12	5												
2-	SA8827 HSP				×	\vdash				5.25	4 121			X	-									
Ч, М	598827 EFP				×					8-27	120			×										
			-+						_					_	_				_					
				_			T				_													Τ
			+			+			4			+	+	+	+	_						- - -		
				$\left \right $		$\left \right $		$\left \right $	- +			$\left \right $		┝╌┤										
				_								_	+	_	_		-							
PLEASE NOTE: Liability and Day analyses. At define, in-turbot the	mages. Cardnar's lability and clear's exclusive to for neclicance and any other rause wheteoer	remody fo	r ary d			her bro	N N N	the d	tort, sh	al be finited or Cardinal v	to the amount p thin 30 deve at	eid by the cli	At for the			le s	me and Co	onditions.	: Interest v rate of 24*	vil be chang	ped on all so	ccounts mon original data	d invoice.]
environes: Te control microarchigan service: In no evert shall Cardina affiliates of successors arising out	d be liable for incidental or consequental damage t of or related to the performance of services the	pes, includ	ng without		tion, bu	sinees l		an la sua an		, or loss of p	ofte incurred b	releat, its su	bsidarie.			ä		of collectio	ns, includi	Vemotis Dr	a tea			
Sampler Relinquish	led: Date:	28-92	¥ ►	ece	Ved	37:					Phon Fax R	esult: BKS	Ω Xei 1 Xei		PP PP	tional F	ax #:							\prod
Relinquished Rv	Dates		۲ 6	ece	ved	37: (Lab	Staff																*
		N R			A A	R		7	\mathcal{A}	\bigcirc														
Delivered By: ((Sampler - UpS . B	Circle One) us - Other:				Yes Yes Yo		5		LECK (Init	(ED BY: ials)									i		1			
t Cardinal can	not accept verbal changes.	Pleas	e fax	t writ	tten o	hang	jes t	0 91	-673	-7020.														

2 1 8 8 1 10