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1610

Date: 11/2/99

Hard Copy Sent? Y N

To: Barney Chan
ACHCSA

Phone: 510 567-6765
Fax: 510 337-9335

From: Peter McIntyre

Pages: 6, including this cover page

Subject:

Stockpiled soil sampling results, with dimensional site plan – 807 75th Ave.
Oakland

11/2/99 Spoke w/ P. MacIntyre: verbally ok'ed reuse of this soil
P.M. stated the soil would not be placed @ GW but above on base
rock.

November 2, 1999

Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

1650

Subject: Stockpiled Soil Sampling
807 75th Avenue
Oakland, California
AEI Project No. 3456

Dear Mr. Chan:

This letter presents the results of the stockpiled soil sampling activities at the above referenced site. This stockpiled soil was removed from the underground storage tank excavation in September 1996.

A total eight soil samples were collected from the approximately 100 cubic yards of stockpiled soil. The samples were collected from at least 1.5 feet below the surface of the piles. The samples were sealed within brass liners with tephlon tape and plastic caps and placed in a cooler with ice to await transportation to the laboratory.

The sample were transported to McCampbell Analytical, Inc. (DHS Certification # 1644) of Pacheco, California and analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline by EPA method 5030/8015, and for benzene, toluene, ethyl-benzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA method 5030/8020. The soil samples were also analyzed for total lead by TTLC extraction. Upon receipt of the initial analytical results the samples were re-analyzed for soluble lead by STLC extraction.

The analytical results of the sample analysis are attached along with a dimensional site plan showing the sizes of the soil piles and the sample locations.

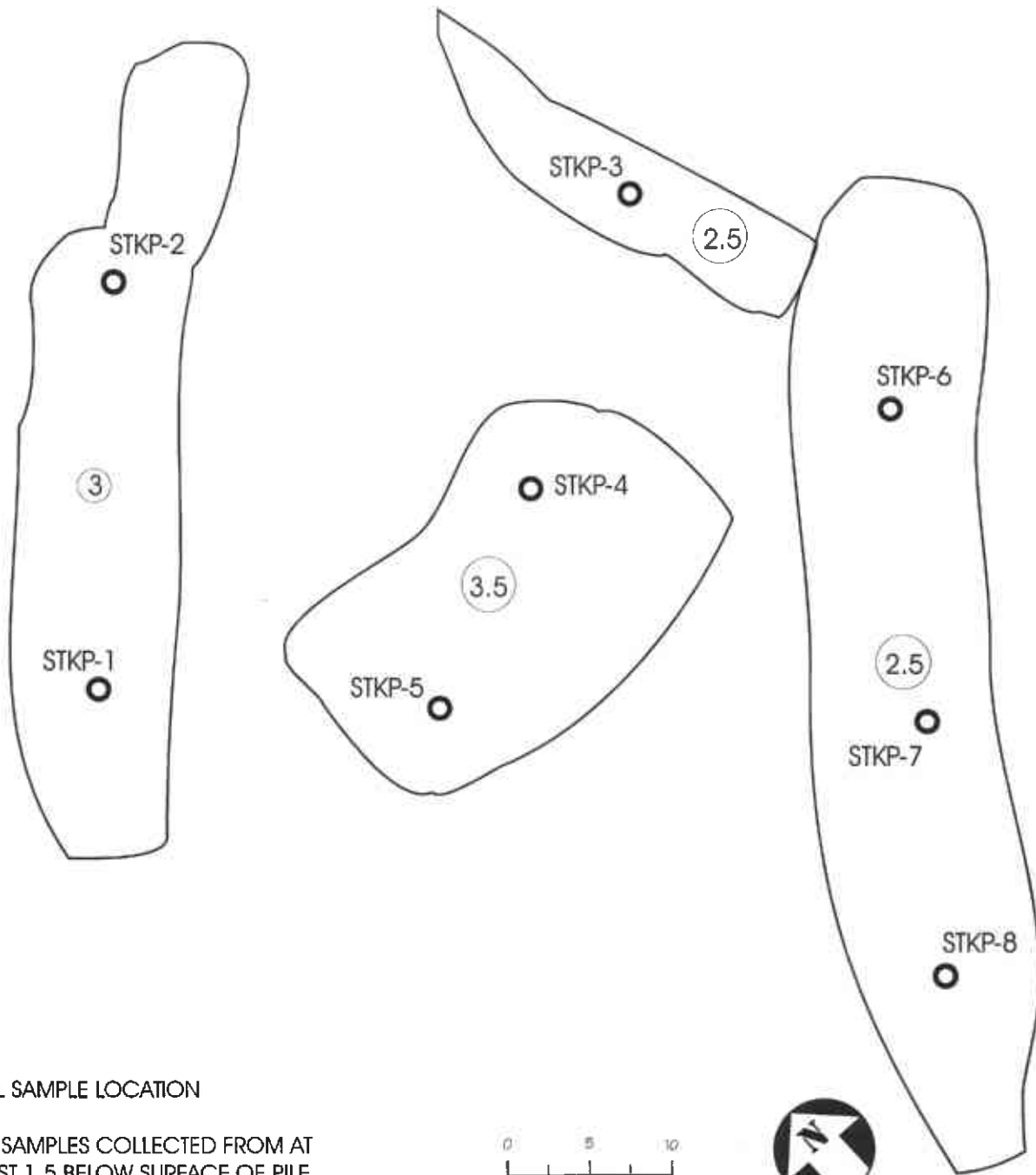
AEI is requesting your permission to reuse this soil onsite to backfill the open excavation, once the excavation has been de-watered and further sampling and excavation has been completed. Please review the results of this sampling and do not hesitate to call me at (925) 283-6000 if you have any questions.

Sincerely,



Peter McIntyre
Project Geologist

ENVIRONMENTAL
PROTECTION
99 NOV -3 PM 4:01
New York
(212) 279-7770

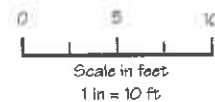


● SOIL SAMPLE LOCATION

ALL SAMPLES COLLECTED FROM AT LEAST 1.5 BELOW SURFACE OF PILE

DIMENSIONS AS SHOWN ARE TO SCALE AND WERE MEASURED AT THE BASE OF THE PILES

③ THE CIRCLED NUMBERS IN THE CENTER OF THE PILES REFERS TO THE AVERAGE PEAK HEIGHT IN FEET OF EACH PILE




AEI CONSULTANTS
901 MORAGA ROAD, SUITE C, LAFAYETTE, CA

STOCKPILED SOIL SAMPLES LOCATIONS

807 75TH AVENUE
OAKLAND, CALIFORNIA

FIGURE 1

 McCAMPBELL ANALYTICAL INC.	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com
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All Environmental, Inc. 901 Moraga Road, Suite C Lafayette, CA 94549	Client Project ID: #3456; Kanady	Date Sampled: 10/14/99
		Date Received: 10/14/99
	Client Contact: Peter McIntyne	Date Extracted: 10/20-10/22/99
	Client P.O:	Date Analyzed: 10/25/99

Lead*


EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
23362	STKP-1	S	STLC	4.2	NA
23363	STKP-2	S	STLC	1.2	NA
23364	STKP-3	S	STLC	1.9	NA
23365	STKP-4	S	STLC	3.3	NA
23366	STKP-5	S	STLC	3.3	NA
23367	STKP-6	S	STLC	0.96	NA
23368	STKP-7	S	STLC	0.64	NA
23369	STKP-8	S	STLC	3.3	NA
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC	3.0 mg/kg		
	W	TTLC	0.005 mg/L		
	---	STLC,TCLP	0.2 mg/L		

* soil and sludge samples are reported in mg/kg, wipe samples in ug/wipe, and water samples and all STLC / SPLP / TCLP extracts in mg/L.
 ° Lead is analysed using EPA method 6010 (ICP)for soils, sludges, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples
 ° EPA extraction methods 1311(TCLP), 3010/3020(water, TTLC), 3040(organic matrices, TTLC), 3050(solids, TTLC), STLC - CA Title 22
 ° surrogate diluted out of range; N/A means surrogate not applicable to this analysis
 ° reporting limit raised due matrix interference
 i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations

DHS Certification No. 1644

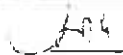
AH Edward Hamilton, Lab Director

 McCAMPBELL ANALYTICAL INC.	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com
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Lead*					
EPA analytical methods 6010/200.7, 239.2*					
Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
23362	STKP-1	S	TTLC	150	101
23363	STKP-2	S	TTLC	55	102
23364	STKP-3	S	TTLC	200	104
23365	STKP-4	S	TTLC	86	103
23366	STKP-5	S	TTLC	96	103
23367	STKP-6	S	TTLC	21	100
23368	STKP-7	S	TTLC	17	102
23369	STKP-8	S	TTLC	100	102
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		S	TTLC	3.0 mg/kg	
		W	TTLC	0.005 mg/L	
		---	STLC,TCLP	0.2 mg/L	

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DHS Certification No. 1644  Edward Hamilton, Lab Director