

General Services Agency

Darlene A. Smith, Director

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May 9, 1994

Ms. Eva Chu Hazardous Materials Specialist Department of Environmental Health 80 Swan Way, Room 350 Oakland, California 94621 SHAZMAT

SUBJECT:

LABORATORY RESULTS FOR SOIL ANALYSIS

FUEL TANKS REMOVAL, STAPLES RANCH PROPERTY, EL CHARRO ROAD, PLEASANTON, CALIFORNIA

Dear Eva:

Per our May 4, 1994 telephone conversation, enclosed is a copy of the laboratory results for the soil samples taken during the removal of the underground storage tank (UST-2) and the above ground storage tank (AGT-4) at Staples Ranch, El Charro Road, Pleasanton, California. As we agreed, I plan to do the following:

- 1. UST-2: The laboratory results from the soil samples taken from both the tank pit and the stockpiled soil were all "non-detect" for TPH-Gasoline, BTEX, and TPH-Diesel. We plan to use this stockpiled soil as fill and return it to its original pit.
- 2. AGT-4: Per your instruction, I had Environmental Science and Engineering, Inc. (ES&E) excavate about two feet of the impacted soil underneath AGT-4. The soil sample at two feet was TPH-Gasoline 2.5 ppm, BTEX non-detect, and TPH-Diesel 1100 ppm. The results of the soil sample from the excavated soil were: TPH-Gasoline 100 ppm, BTEX non-detect except Xylenes at 0.015 ppm, and TPH-Diesel 23,000 ppm. Thus, we did not excavate all the impacted soil. As we discussed, the Harza Kaldveer Phase 1 Report indicated that no impacted soil was observed from 5 to 20 feet below this tank. Therefore, I plan to have ES&E excavate additional soil underneath AGT-4 and remove all

Ms. Eva Chu May 9, 1994 Page 2

the impacted soil. We will stockpile the excavated soil and take the appropriate soil samples. The results and procedures will be documented in ES&E's Tank Closure Report.

On April 28 and 29, 1994 ES&E did the Site Characterization Study for the known diesel-impacted soil located near the above ground storage tank AGT-5. Figure 1 is a rough diagram of the results of this study. As we discussed, I have successfully remediated similarly impacted soils by the excavation method at Chevron Land and Development's Hilltop property, Richmond, California. I feel this procedure is the most economical method and will allow the County to obtain site closure at the earliest date. ES&E is currently preparing the formal report recommending this method which should be ready for your review in a couple of weeks. I look forward to your comments and suggestions.

Eva, I really do appreciate your continued cooperation and prompt attention to the Staples Ranch project. I enjoy our team effort and our excellent working relationship. If you have any questions, please call me at X3-6277.

Sincerely,

ENGINEERING & ENVIRONMENTAL MANAGEMENT DEPARTMENT

Andrew B. Garcia, REA

Environmental Project Manager

enclosure

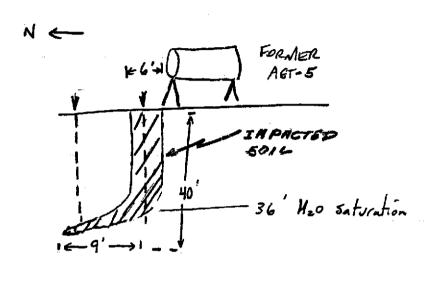
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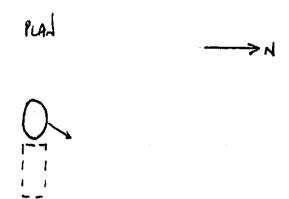
cc: Mr. Jay Carpenter, Environmental Science & Engineering, Inc. - w/o Mr. Jim de Vos, P.E. - w/o

ABG:abg:HZM00519 93-7057 Bldg. #1262

FIGURE 1

DIAGRAM FOR THE SITE CHARACTERIZATION OF KNOWN DIESEL-IMPACTED SOIL, ABOVE GROUND STORAGE TANK AGT-5, STAPLES RANCH, PLEASANTON, CALIFORNIA





Environment	al Science & Eng.		oject ID: #	6-94-5228	, Staples I	Date Sample	d: 04/26/94									
4090 Nelson .	Avenue, Suite J	Ranch				Date Receive	d: 04/26/94									
Concord, CA	94520	Date Extract	ed: 04/26/9	4												
		Client P.C);		1	Date Analyzed: 04/26/94										
TP4 methods V	Gasoline Ran	ge (C6-C1	2) Volatile H	ydrocarbon OCB (SF Bay	s as Gasol Region) meti	oline*, with BTEX* ethod GCFID(5030)										
Lab ID	Client ID	Matrix	TPH(g)	Веплепе	Toluene	Ethylben- zene	Xylenes	% Rec. Surrogate								
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35298	AGT- ∔	S	2.5,g	ND	ND	סא	ND	104								
35299	SP-1	S	ND	ND	ND	ND	ND	104								
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	imit unless other-	W	50 ug/L	0.5	0.5	0.5	0.5									
wise states	d; ND means Not Detected	s	1.0 mg/kg	0.005	0.005	0.005	0.005									

^{*}water samples are reported in ng/L, soil samples in mg/kg, and all TCLP extracts in mg/L

[#] cluttered chromatogram; sample peak co-elutes with surrogate peak

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant (aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

Invironment	al Science & Eng.	Client Proj	ject ID: #6-94-5228; Staples	Date Sampled: 04	26/94								
	Avenue, Suite J	Ranch		Date Received: 04/26/94									
Concord, CA	94520	Client Cont	act; Jay Carpenter	Date Extracted: 0	4/27/94								
	·	Client P.O:		Date Analyzed: 04	1/27/94								
	Fuel Oil	Range (C16	O-C32) Extractable Hydrocarbon ornia RWQCB (SF Bay Region) method	s as Diesel * GCFID(3550) or GCF	FID(3510)								
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