

**Stellar Environmental Solutions**  
2110 Sixth Street, Berkeley, CA  
Tel: 510-644-3123 \* Fax: 510-644-3859

12/7/98  
All data relevant  
to UST closures, including  
stock-pile sample data,  
will be incorporated into  
UST closure report.  
SES

**MEMORANDUM**

**Date:** December 7, 1998  
**To:** Robert Weston, Alameda County Health Care Services Agency  
fax: (510) 337-9335  
**From:** Richard Makdisi, Stellar Environmental Solutions  
**Subject:** East Bay Regional Park District – South County Corporation Yard, Lake  
Chabot Road, Castro Valley, California

Rob:

Sorry it has taken so long to get you the analytical table I hoped to send you last Thursday but we were waiting for some confirmation results. Not all the data is in the Table yet; they are rerunning some of the MTBE but most are completed. Also, as for the issue of whom is going to be responsible for what documentation etc., we have sorted that out with the upshot being that Stellar Environmental Solutions (SES) will be assisting the District in completing all the reporting with a comprehensive UFST closure and Replacement report to be completed by us. The District also wants SES to manage the fuel-contaminated soil that was excavated and stockpiled on site as part of the UFST removals.

The first item of the day on that issue is to get the AQCD permit filled out and submitted. We have not yet determined the volume of the soil, but we estimate it to be approximately 100 to 200 cubic yards. The District is proposing to aerate the soil on-site (vs. off-haul for landfilling). Either way we will be doing a typical soil profiling next week on the soil piles. Attached is a table summarizing the analytical concentrations of soil and water samples collected to date. The "clean" material was placed back in the base of the excavation. The District proposes, based on your approval, to manage the contaminated soil as follows:

[

Build a sturdy soil stockpile bermed area ( already built as you know but we will inspect it and suggested augmentation, if needed) that will contain the soil. The stockpile will be covered and underlain by plastic sheeting to prevent rainfall from desorbing contamination and running off.

Collect three 4-point composite soil samples for laboratory analysis for gasoline, diesel, BTEX and MTBE. This will establish the "baseline" soil concentration prior to aeration.

Submit the results of the soil sampling (soil stockpile berm design, sampling methodology and analytical results) in either the upcoming UFST Removal and Replacement report, or, under separate cover, whichever you prefer. We estimate that incorporating the results into the report will extend the date for report completion by approximately 4 weeks.

I talked to Veri of VCI who estimates that he will get in the "Island" next week and the electrical/plumbing will go in then along with the completion of the backfilling and site restoration.

Please call me directly as to which reporting option you prefer. Thank you.

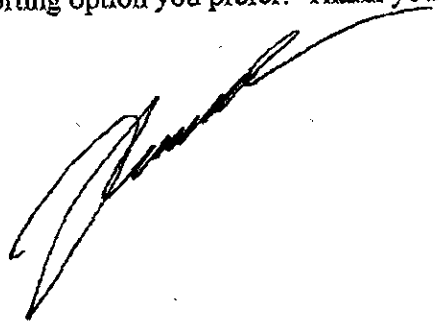


Table 1: Summary of Analytical Results  
November 9 and November 18, 1998 UST Removal Project  
East Bay Regional Park District, South County Corporation Yard, Castro Valley, California

Sample ID and Description	Sample Depth (ft. bgs)	TPH Gasoline (EPA 8015M)	TPH Diesel (EPA 8015M)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
<i>Soil Samples (all concentrations in mg/Kg)</i>								
Method Reporting Limit <sup>(d)</sup>		1.0	1.0	0.005	0.005	0.005	0.005	???
November 9, 1998 Soil Samples								
Diesel Dispenser 01-2'	2'	2,300	6,900	ND	ND	ND	1.5	ND
Diesel Pea Gravel 01	4-5'	1,900	8,600	ND	ND	ND	ND	ND
Comp. Sample 01-(3)	1-2'	NA	12	NA	NA	NA	NA	NA
Gas Dispenser 01-1'	1.0'	ND	NA	ND	0.007	ND	0.028	0.45
Gas Dispenser 02-1'	1.0'	1.7	35	ND	0.009	ND	0.028	0.037
November 18, 1998 Soil Samples								
GT-01-BASE-12.5 N	12.5'	ND	2.1	ND	ND	ND	ND	0.20
GT-02-BASE-12.5 N	12.5'	6.6	1.7	ND	0.065	0.0057	0.029	ND
GT-01-BASE-12.5 S	12.5'	ND	2.3	ND	ND	ND	ND	0.025
GT-02-BASE-12.5 S	12.5'	1,300	1,500	ND	ND	ND	ND	ND
Diesel-BASE-12.5	12.5'	860	1,800	1.1	1.2	0.7	1.2	2.5
"Clean" Backfill Comp.	Not Applicable	1.6	18	ND	0.0076	ND	0.0054	0.098
Soil ARAR <sup>1</sup>		10 to 1,000	100 to 10,000					

Excavation Water Sample (all concentrations in µg/L)			TPH-E	-D	B	T	E	X	NATRE
Method Reporting Limit <sup>(d)</sup>			20,000	5,000	200	200	200	200	1,000
Excavation H2O		12.5'	ND	100,000	300	280	ND	ND	56,000
Groundwater ARAR			NE	NE	1.0 <sup>(a)</sup>	1,000 <sup>(b)</sup>	680 <sup>(c)</sup>	1,750 <sup>(c)</sup>	14 <sup>(c)</sup>

rains.  
water  
infiltrated

ARAR = Applicable, Relevant and Appropriate Regulation

ARAR from the RWQCB LUFT Manual guidance

<sup>(a)</sup> California Maximum Contaminant Level (MCL); <sup>(b)</sup> Proposed Federal Primary MCL; <sup>(c)</sup> Proposed California Primary MCL

<sup>(d)</sup> Method reporting limit may be higher for samples with detected concentrations.

NA = Not Analyzed NE = Not Established; ND = Not Detected above method reporting limit