



ATTN: EVA CHU

7-22-98

Dear Eva,

I just noticed that James Gribi didn't send a copy of this workplan to you so I'm sending it now.

I faxed a copy of it to the UST fund for pre-approval on 7-9-98, but I haven't heard back yet.

Take care,

7/24/98

OK proposal -

If you want Jim to do it, have him submit w/ for approval, then to Clean Fund for pre-approval

1 of 4 pages

GRIBI Associates*Geological and Environmental Consulting Services*

July 6, 1998

Mr. Tony Sullin
Arrow Rentals
187 North L Street
Livermore, CA 94550

Subject: Proposal to Conduct Soil Vapor Sampling
Arrow Rental, 187 North L Street
Livermore, California

Dear Mr. Sullin:

Gribi Associates is pleased to submit this proposal to conduct soil vapor sampling at the Arrow Rentals underground storage tank (UST) site located at 187 North L Street in Livermore, California. Proposed sampling activities will include collecting soil vapor samples at two locations downgradient (west) from onsite well W-1s. The purpose of these activities will be to assess risk associated with possible hydrocarbon vapor inhalation at the site.

Project Approach

Based on a recent site visit and a telephone conversation with Ms. Eva Chu of Alameda County Health Agency, it appears that Alameda County wishes that you conduct soil vapor sampling in shallow soils beneath the site in order to assess potential human exposure to hydrocarbon vapors at the site. Results of vapor sampling will be used, in conjunction with previous site data, to assess the need for remedial measures at the site.

Scope of Work

Gribi Associates proposes to conduct the following scope of work in accordance with all applicable State and Federal guidelines and statutes.

Task 1 Prepare brief workplan. Gribi Associates will prepare a brief letter workplan for submittal to Alameda County Health Agency. Gribi Associates will await County approval before implementing this workplan.

Task 2 Conduct vapor sampling. Gribi Associates will collect two soil vapor samples, one to be located inside the Arrow Rentals building and the other immediately west from the Arrow Rentals building. Each soil vapor sample will be collected in a Summa Canister at approximately three feet in depth using an AMS vapor probe. Following sampling, Gribi Associates will grout the two holes in the concrete slab to match existing surface grade. Client will be responsible to provide rotary hammer drill to drill approximately 1-1/2 inch diameter holes through the concrete slab at the two sampling locations.

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Task 3 Conduct laboratory analyses. Gribi Associates will analyze two soil vapor samples for Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX by EPA Method TO-14). Laboratory analyses will be conducted at a California-certified analytical laboratory.

Task 4 Prepare report of findings. Gribi Associates will prepare a brief letter report describing investigative methods and providing results of the investigation.

Project Budget

Gribi Associates anticipates a project budget of \$2,080 to complete the above scope of work, in accordance with the following cost summary:

Task	Estimated Fee			TOTAL
	Expenses Total	Labor Hours	Labor Total	
3. Prepare brief workplan.				
Geologist-office (\$70/hr)		3	\$210	\$210
Clerical/Drafting (\$40/hr)		2	\$80	\$80
Misc. expenses	\$25			\$25
Task 1 Subtotal				\$315
2. Conduct vapor sampling				
Geologist-office (\$70/hr)		1	\$70	\$70
Geologist-field (\$50/hr)		6	\$300	\$300
Vapor Probe rental (1 day, EI)	\$50			\$50
Summa Canisters-rental & shipping	\$230			\$230
Misc. expenses	\$70			\$70
Task 2 Subtotal				\$720
3. Conduct laboratory analyses.				
Geologist-office (\$70/hr)		1	\$70	\$70
2 vapor samples for BTEX (\$235/spl)	\$470			\$470
Misc. expenses				\$0
Task 3 Subtotal				\$540
4. Prepare report of findings-				
Geologist-office (\$70/hr)		5	\$350	\$350
Clerical/Drafting (\$40/hr)		3	\$120	\$120
Misc. expenses	\$35			\$35
Task 4 Subtotal				\$505
TOTAL ESTIMATED FEE	\$880	21	\$1,200	\$2,080

GRIBI Associates

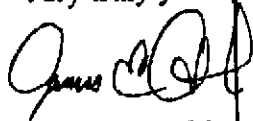
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Project Authorization

Enclosed for your review and signature are two copies of our standard contract. Please sign both copies of *Authorization To Proceed* and return one copy as our notice to proceed. Based on our current understanding, we expect to complete the above scope of work within four weeks after receiving your authorization to proceed.

We appreciate the opportunity to present this proposal for your review. Please call if you have questions or require additional information. We look forward to working with you on this important project.

Very truly yours,



James E. Gribi
Registered Geologist
California No. 5843

JEG/ct
Enclosures

File: GA-18/Arrow-vs.ppt

GRIBI Associates