

July 14, 1998

Mr. Ray Barker  
Engineering and Maintenance Manager  
City of Albany  
1000 San Pablo Avenue  
Albany, CA 94706

Subject: Proposal to Conduct Soil Boring Investigation  
Albany Fire Station UST Site  
1001 Marin Avenue  
Albany, California

Dear Mr. Barker;

Gribi Associates is pleased to submit this proposal to drill and sample one soil boring immediately adjacent to a gasoline underground storage tank (UST) formerly located at the subject site in Albany, California. The purpose of the proposed soil boring investigation will be to assess soil and groundwater quality adjacent to the former UST in order to address regulatory site closure.

### Project Approach

Based on our recent telephone conversations with you and with Ms. Eva Chu of Alameda County Health Agency, we recommend drilling and sampling one investigative soil boring immediately southwest from the former UST using hand augering equipment. The hand auger, while slower than mechanical drilling methods, is generally less expensive when drilling a small number of shallow borings.

### Scope of Work

Based on the above project approach, Gribi Associates proposes to conduct the following tasks. All activities will be conducted in accordance with applicable State and Federal guidelines and statutes.

**Task 1 Conduct prefield activities.** Gribi Associates will: (1) Submit a brief letter workplan to Alameda County Health Agency; (2) Obtain a drilling permit from Alameda County Department of Public Works; (3) Mark the proposed boring location with white paint; and (4) Notify Underground Services Alert (USA) at least 48 hours prior to drilling.

Client will be responsible for providing site access and for coring a minimum four-inch diameter hole in the surface concrete in the County-approved boring location.

**Task 2 Conduct drilling and sampling activities.** Gribi Associates will: (1) Drill one soil boring immediately southwest from the former UST excavation cavity to about 12 feet below

Mr. Ray Barker  
 City of Albany  
 July 14, 1998  
 Page 2

surface grade using hand auger equipment; (2) Collect one soil sample and one grab groundwater sample from the boring; and (3) Grout the boring to match existing surface grade.

The soil sample will be collected in a brass sampling tube and will be preserved in accordance with standard sampling protocols. The grab groundwater sample will be collected as follows: (1) 1-1/4-inch diameter well casing will be placed in the boring; (2) Two to three feet of filter sand will be placed around the well casing to help filter out silt; (3) The well casing will be purged of at least one well volume using a clean PVC bailer; (4) Groundwater will be poured directly from the bailer into laboratory-supplied containers; and (5) Each sample container will be preserved in accordance with standard sampling protocols.

**Task 3 Conduct laboratory analyses.** Gribi Associates will analyze one soil sample and one grab groundwater sample for the following parameters

USEPA 8015M Total Petroleum Hydrocarbons as Gasoline (TPH-G)

USEPA 8020/602 Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)

USEPA 8020/602 Methyl-t-butyl Ether (MTBE) *if mtbe is detected, a confirmatory sample using method 8260 should be run*

All analyses will be conducted by a California-certified analytical laboratory with two-week turn around on lab results.

**Task 4 Prepare report of findings.** Gribi Associates will prepare a brief letter report for submittal to Alameda County Health Agency which will describe all investigative activities and provide results of the investigation. If results indicate no significant release, then this report will also request regulatory site closure.

**Project Budget**

Gribi Associates anticipates a project budget of \$1,575 to complete the scope of work described above, based on the cost breakdown summarized below.

Task	Estimated Fee			TOTAL
	Expenses Total	Labor Hours	Labor Total	
<b>1. Conduct prefield activities</b>				
Geologist (\$50/hr)		5	\$350	\$350
Misc. expenses	\$70			\$70
<b>Task 1 Subtotal</b>				<b>\$420</b>

GRIBI Associates

Mr. Ray Barker  
 City of Albany  
 July 14, 1998  
 Page 3

Task	Estimated Fee			TOTAL
	Expenses Total	Labor Hours	Labor Total	
<b>2. Conduct drilling and sampling</b>				
Field geologist- (\$50/hr)		6	\$300	\$300
Equipment rental	\$50			\$50
Misc. expenses	\$120			\$120
<b>Task 2 Subtotal</b>				<b>\$470</b>
<b>3. Conduct laboratory analysis</b>				
Geologist- (\$70/hr)		1	\$70	\$70
TPH-G/BTEX/MTBE: 2 samples @ \$60/sample	\$120			\$120
<b>Task 3 Subtotal</b>				<b>\$190</b>
<b>4. Prepare report of findings</b>				
Geologist- (\$70/hr)		4	\$280	\$280
Drafting- (\$50/hr)		2	\$100	\$100
Clerical- (\$40/hr)		2	\$80	\$80
Misc. expenses	\$35			\$35
<b>Task 3 Subtotal</b>				<b>\$495</b>
<b>TOTAL ESTIMATED FEE</b>	<b>\$195</b>	<b>20</b>	<b>\$1,180</b>	<b>\$1,575</b>

**Project Schedule**

Subject to your authorization, Gribi Associates is prepared to begin project activities immediately. Based on our understanding of the project, we expect to complete the project scope of work within three to 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 and the City of Albany on this important project.

Very truly yours,



James E. Gribi  
 Registered Geologist  
 California No. 5843

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