

March 28, 1994

Ms. Juliet Shin
Alameda County Health Care
Services Agency
Department of Environmental Health
40 Swan Way, Room 200
Oakland, CA 94621

Re: Albany Ford and Subaru Dealership
718 San Pablo Avenue,
Albany, California
Cambria Job No. 202.00

Dear Ms. Shin:

As we discussed on the telephone last Friday, Cambria Environmental Technology, Inc. (Cambria) has been retained to perform a subsurface investigation at the site referenced above. Our scope of work for the project involves installation of three ground water monitoring wells and drilling of several additional borings adjacent to the former tank locations. Since this work scope is similar to the scope outlined in ICF Kaiser Engineer's (ICF) January 4, 1994 work plan, you requested that we identify areas where our proposed work differs from ICF's and submit a work plan addendum to you outlining the changes.

The principal differences between our work scope and ICF's involve chemical analyses, and the specific manner in which we intend to define the distribution of contaminants in soil. Regarding the investigation approach; ICF apparently intended to drill an indeterminate number of borings radially outward from the tank pits until the contaminant limits were defined. We recommend, however, that a phased approach be used for the investigation. The first phase will consist of drilling nine soil borings at the locations shown on figure 1, and installing wells in three of the borings, also shown on figure 1. Additional borings/wells can be installed in the future, if this initial work scope does not fully define the extent of hydrocarbons in soil or ground water.

Differences in the chemical analyses and the rationale for the modification we recommend are summarized below:

- As you suggested in your January 12 letter to Mr. Don Strough, we will conduct EPA Method 8020 analyses for aromatic hydrocarbons including BETX, and Method 8010 analyses for Volatile Organic Compounds (VOCs), rather than use EPA Method 8240 for these constituents. ✓
- While ICF indicated that they would analyze soil samples for metals, we do not feel this is necessary since no metals over permissible limits were detected in the samples collected during the previous tank removal and overexcavation. Consequently, we propose to only analyze ground water samples for metals (Cd, Cr, Pb, Ni and Zn).

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- Also as you requested in your January 12 letter, we will analyze soil and water samples for Oil and Grease by Methods 5520 D&F. We will analyze one soil sample from each of the nine borings drilled and all three ground water samples by this method. In addition, we will analyze 6 grab water samples from the borings and 3 monitoring well ground water samples by Methods 8015 and 8020.
- Since Method 5520 overlaps with EPA Method 8015 - Gasoline (ie. the 8015-Gasoline result subtracted from the 5520 results will indicate the amount of medium weight hydrocarbons in the sample) we do not believe it necessary to analyze the samples for both Gasoline and Diesel. Consequently, we propose to conduct only the 8015-Gasoline and 5520 analyses on the samples, and not the EPA Method 8015 - Diesel analyses.
- We will analyze the ground water samples for 8270 constituents.
- We do not recommend analyzing soil and water samples for constituents needed to evaluate the feasibility of bioremediation. If these analyses (pH, hydrocarbons over carbon 20, etc.) are needed, they can be conducted in the future as part of a remediation feasibility study.
- We will collect soil samples at 5 ft intervals and will analyze a minimum of two soil samples per boring.
- Wells will be screened at least 5 ft above and 10 ft below the water table, and we will wait at least 24 hours before developing the wells. Wells will be surveyed to an established benchmark, to an accuracy of 0.01 ft.

We would appreciate your timely review of this work plan addendum, especially in light of the April 12 deadline for commencement of field work you have established. Please call if you have any questions.

Sincerely,
Cambria Environmental Technology, Inc.



Joseph P. Theisen, CEG
Principal Hydrogeologist

JPT/ms

cc: D. Strough
J. Redding; Fitzgerald, Abbott and Beardsley
R. Harris; Subsurface Environmental

SUPREME TIRES

ALBANY BODY SHOP

OFFICE

OFFICE

OFFICE

EXCAVATION D & E

EXCAVATION C

EXCAVATION A & B

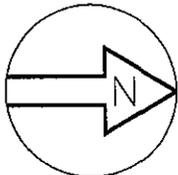
FRONT OFFICES

SAN PABLO AVENUE

PROPOSED BORING LOCATIONS

1 INCH = 20 FT

APPROXIMATE
SCALE



● PROPOSED BORING LOCATION

⊕ PROPOSED WELL LOCATION

MARCH 26, 1994

PREPARED FOR SUBSURFACE
ENVIRONMENTAL CONSULTANTS.

C:\DATA\FIGURES\PROJECT\SEC\SEC-020\BASE-1

BASE MAP FROM ICF KAISER ENGINEERS
PRELIMINARY SITE ASSESSMENT PLAN

ALBANY FORD
718 SAN PABLO AVENUE
ALBANY, CALIFORNIA

SHEET 1 OF 1

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