CERTIFIED
ENVIRONMENTAL
CONSULTING INC.

90 NOV 21 PM 12: 55

November 19, 1990

REF: PRO-0399.90

Mr. Scott O. Seery
Hazardous Materials Specialist
County of Alameda
Dept. of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94821
(415) 271-4320

RE: 3343 Castro Valley Blvd., Castro Valley

Dear MR. Seery:

Sal Campo, Sal's Foreign Car Service, 3343 Castro Valley Boulevard, Castro Valley, has asked us to perform the necessary site assessments and remediation at his facility. We propose to drill a series of boring around the former location of all three tanks to determine the lateral and vertical extent of the contamination at the site. We will also investigate potential contamination between the ground surface and the 10 foot depth where ND results were observed.

We are looking forward to working with you on this project

Very truly yours,

Stanley L. Klemetson, Ph.D. P.E.
Vice President

cc: Sal Campo

140 West Industrial Way
Benicia, California 94510

Ofc (707) 745-0171
Fax (707) 745-0163
(800) 447-0171

PROPOSAL

SITE INVESTIGATION
AND
REMEDIATION SERVICES

PROJECT SITE:

SAL'S FOREIGN CAR SERVICE
3343 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CA 94546
(415) 582-5282

PREPARED FOR:

MR. SAL CAMPO

PREPARED BY:

CERTIFIED ENVIRONMENTAL CONSULTING, INC.
140 WEST INDUSTRIAL WAY
BENICIA, CALIFORNIA 94510-1016
(707) 745-0171

NOVEMBER 1990

CERTIFIED
ENVIRONMENTAL
CONSULTING INC.

November 19, 1990

REF: PRO-0399.90

Mr. Sal Campo
Sal's Foreign Cal Service
3343 Castro Valley Boulevard
Castro Valley, CA 94546
(415) 582-5282

RE: Site Investigation and Remediation for UGT Project

Dear Mr. Campo:

Certified Environmental Consulting, Inc. (CEC) is pleased to submit a proposal to provide site investigation and remediation services for your property located at 3343 Castro Blvd., Castro Valley. I have reviewed the laboratory data and the information provided by Scott Seery, County of Alameda. The attached proposal outlines the required tasks to complete the work.

The first portion of a project is preparation of a work plan (Task 1) and site characterization (Task 2). The estimated costs for this work is $1500 and $6000, respectively. To authorize the work please sign and return the attached fee schedule.

We are looking forward to working with you on this project. Please let us know if you have any questions.

Very truly yours,

Stanley L. Klemetson, Ph.D., P.E.
Vice President

Enclosures

cc: Mr. Chuck Kiper, SEMCO

140 West Industrial Way
Benicia, California 94510

Ofc (707) 745-0171
Fax (707) 745-0163
(800) 447-0171

BACKGROUND

On August 30, 1990, SEMCO removed one 3,000 gallon underground gasoline tank and two 1,000 gallon underground gasoline tanks from Sal's Foreign Car Service, 3343 Castro Valley Boulevard, Castro Valley. The tank locations are shown in Figure 1 and the sampling locations are shown in Figure 2. A soil sample from the west sidewall of the 3,000 gallon tank contained 720 ppm TPH-G. The other soil samples were non-detect (ND). The water that entered the excavation did contain low levels of petroleum hydrocarbons. Mr. Scott Seery expressed concern that the soil was contaminated above the sampling level because of the former high ground water levels in the area. Laboratory Analysis are provided in the Appendix.

On September 28, 1990, a letter was sent by Scott Seery, Alameda County Department of Environmental Health, to Mr. Sal Campo requesting a Preliminary Site Assessment (PSA) prior to remediating the site. A copy of his letter is provide in the Appendix.

SCOPE OF WORK

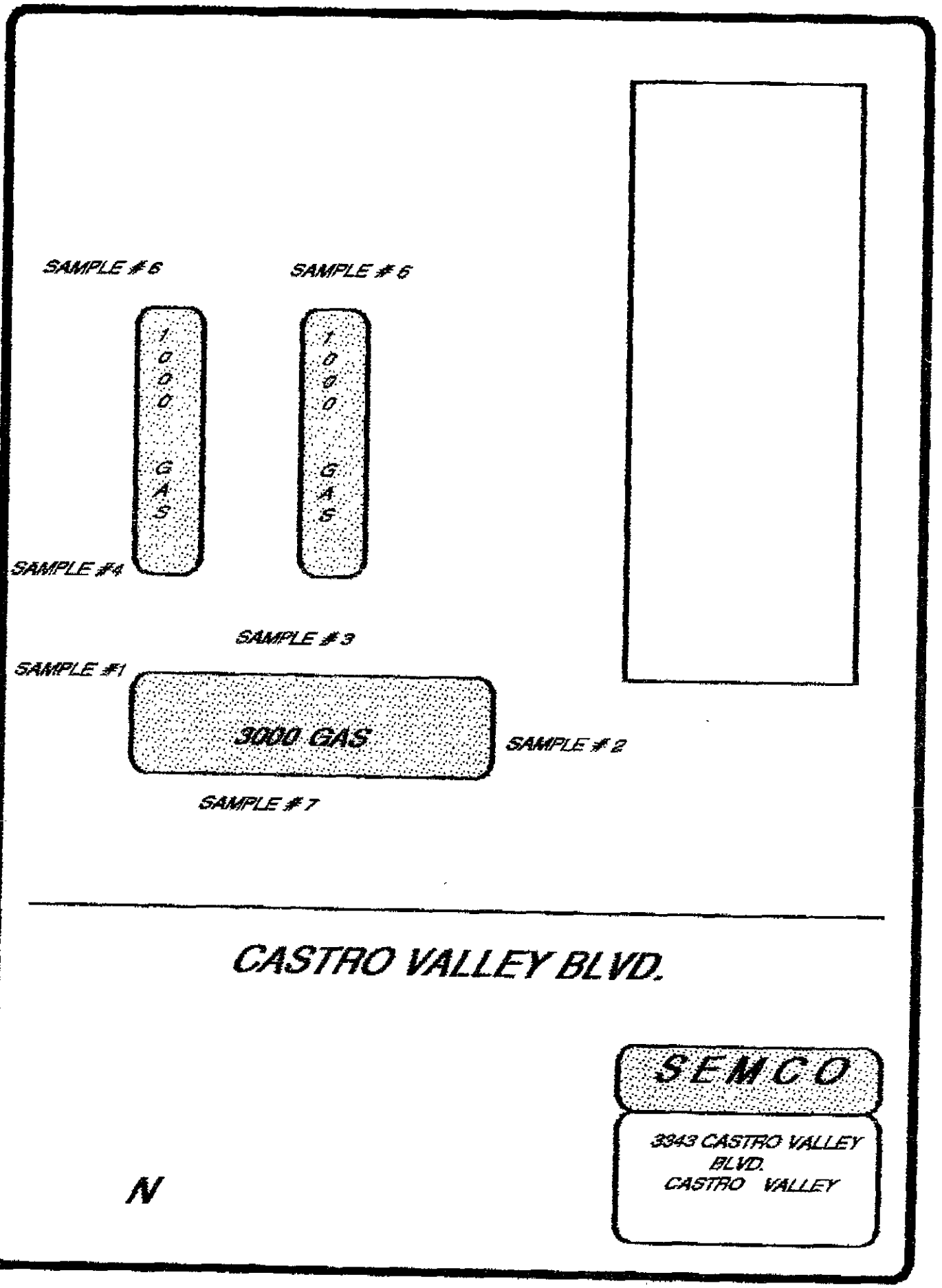
The site investigation and remediation project will be conducted in a step-wise fashion to allow for changes in the scope of work as additional information is gathered. The overall project is outlined below.

Task 1: Prepare Work Plan

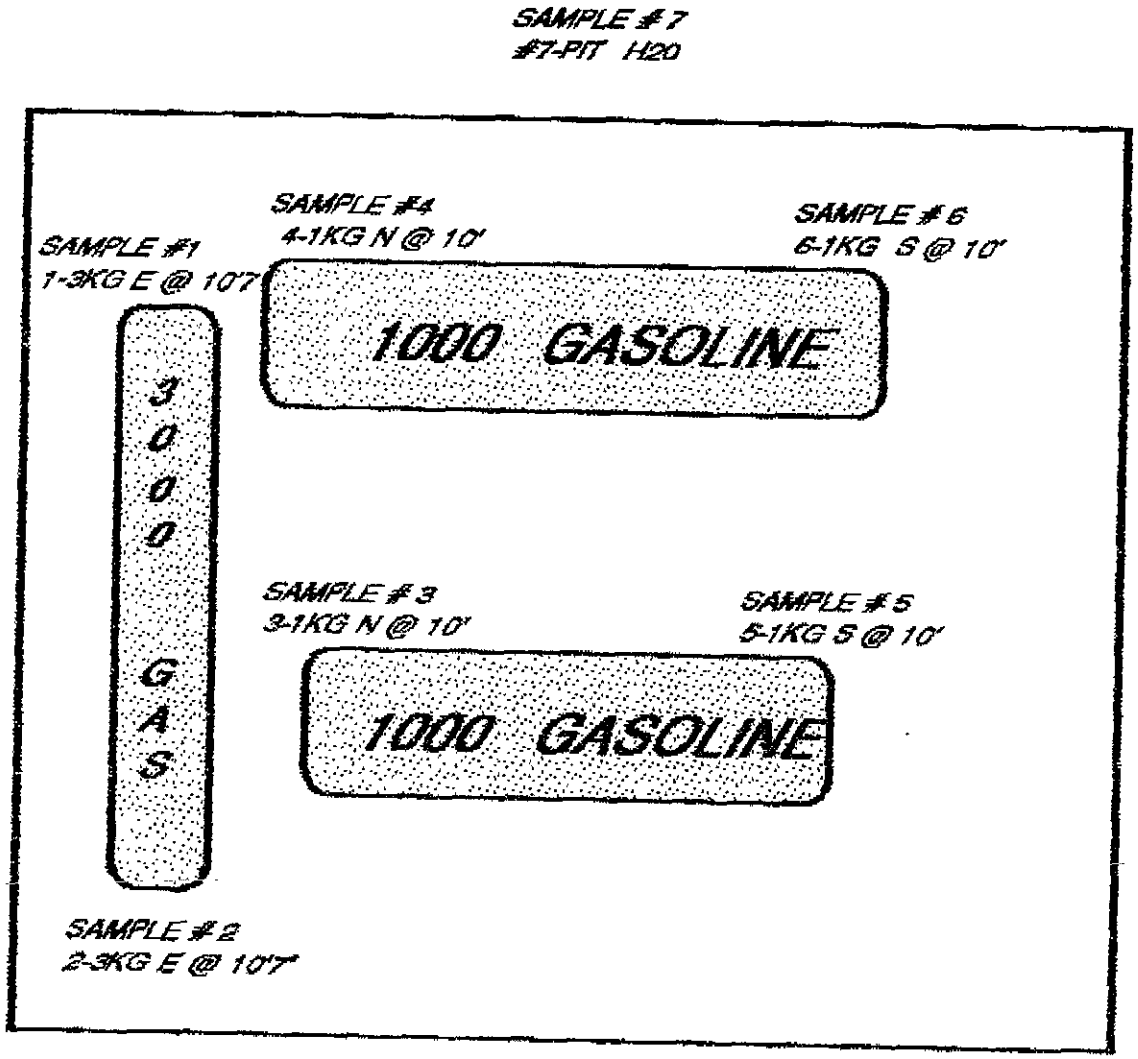
The County of Alameda requires that a work plan be prepared for the Initial Subsurface Investigation according to the "Appendix A" provide with Mr. Seery's letter. The estimated cost for this Plan is $1500.

Task 2: Determine the lateral and vertical extent of the contamination.

It is proposed that a series of soil borings be drilled around all three tanks to evaluate the soil at several levels. A field Organic Vapor Meter will be used to test the soils for hydrocarbon contamination and selected soil samples will be sent to the laboratory for


SAMPLE # 6
SAMPLE # 6
10000 GAS
10000 GAS
SAMPLE #4
SAMPLE # 3
SAMPLE #1
3000 GAS
SAMPLE # 2
SAMPLE # 7
CASTRO VALLEY BLVD.
SEMCO
3343 CASTRO VALLEY BLVD.
CASTRO VALLEY
N

TANK AREA



SEMCO

3343 CASTRO VALLEY BLVD.
CASTRO VALLEY

N

analysis. A report will be prepared and submitted to the County a site remediation plan. The estimated cost for this work is $6,000.

Task 3: Hydrogeologic consulting services for excavation of contaminated soil

Once the quantity of soil to be removed and treated has been determined, SEMCO will prepare a bid for the construction portion of the project. It is assumed that the excavation work, soil and groundwater sampling, re-filling the excavation and stockpiling the contaminated soil will take about one day. We will collect the samples, have them analyzed and prepare the necessary report. A cost estimate for this work will be prepared when the scope of the work has been determined.

Task 4: Remediate contaminated soil.

The quantity of contaminated soil affects the selection of the least cost option for treatment and disposal. The cost for this activity can not be given at this time.

Task 5: Install monitoring wells

The Regional Water Quality Control Board requires that a monitoring well be installed in the "verified down gradient" direction. Generally this requires that three wells be installed unless we can find data from nearby wells to establish the hydraulic gradient. The installation of three wells, with sampling, reports, and gradient determination, is estimated to be $12,000.

Task 6: Remediate groundwater, as required.

If the groundwater is contaminated, the extent of the contamination will have to be determined. A groundwater treatment system may be required. At this time, we will assume that no contamination exists, or that it can be corrected during soil removal. No cost estimate will be given at this time.

Task 7: Collect and analyze quarterly groundwater sampling for one year.

It is assumed that water samples will be collected from the three wells at the 1,2,3,6,9, and 12th months at a cost of approximately $14,000 to $16,000.

APPENDIX

SEMCO
JAMES C. BATEMAN PETROLEUM SERVICES, INC.
431 W. Hatch Rd. Modesto, Calif 95351
General & Engineering Contractors
(800) 533 9293
FAX (209) 524-0503

SEMCO
JAMES C. BATEMAN PETROLEUM SERVICES, INC.
1741 Leslie St. San Mateo, Calif 94402
General & Engineering Contractors
(415) 572 8033
FAX (415) 572-9734

CHAIN OF CUSTODY RECORD

PROJECT NAME: SALS FOREIGN AUTO
90-0517

SAMPLERS (signature): Chuck Kyan Lam

Station Number	Date	Time	Comp.	Grab	Station Location	Number of Containers	Analysis Required: 1PH-GAS	Analysis Required: BTXE-GAS	REMARKS
#1-3K	8/30/90	3:15		✓	#1-3KG-E-10'7"	1	✓	✓	Gasoline
#2-3K	8/30/90	3:20		✓	#2-3KG-E-10'7"	1	✓	✓	"
#3-1K	8/30/90	3:25		✓	#3-1KG-N-10'	1	✓	✓	"
#4-1K	8/30/90	3:30		✓	#4-1KG-N-10'	1	✓	✓	"
#5-1K	8/30/90	3:38		✓	#5-1KG-S-10'	1	✓	✓	"
#6-1K	8/30/90	3:40		✓	#6-1KG-S-10'	1	✓	✓	"
#7-PW	8/30/90	3:00		✓	#7. Pit H2O	2	✓	✓	"

Relinquished by(signature):	Date / Time	Received by (signature):	Relinquished by(signature):	Date / Time	Received by (signature):
Company or Agency:	8/31/90 6:25	Company or Agency:	Company or Agency:		Company or Agency:
Relinquished by(signature):	Date / Time	Received by (signature):	Relinquished by:	Date / Time	Received by (signature):
Company or Agency:		Company or Agency:	Company or Agency:		Company or Agency:
Relinquished by(signature):	Date / Time	Received for Laboratory by: (signature)	Date / Time	Remarks/Shipping Information	
Company or Agency:			8/31 8:30	Normal	

RECEIVED 9-11-90

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 52440
CLIENT: SEMCO
CLIENT JOB NO.: 90-0517 Soils Foreign

DATE RECEIVED: 08/31/90
DATE REPORTED: 09/10/90

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 5030 and 8015

LAB #	Sample Identification	Concentration (mg/Kg) Gasoline Range
1	#1-3k	ND<1
2	#2-3k	720
3	#3-1k	ND<1
4	#4-1k	ND<1
5	#5-1k	ND<1
6	#6-1k	ND<1
7	#7-PW	15

mg/kg - parts per million (ppm)
Minimum Detection Limit for Gasoline in Soil: 1mg/kg

QAQC Summary:
Daily Standard run at 2mg/L: RPD Gasoline = 4 %
MS/MSD Average Recovery = 99%: Duplicate RPD = 1.7%

Richard Srna, Ph.D.
Laboratory Director

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

Certified Mailer # P 062 128 277

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

September 28, 1990

Mr. Sal Campo
Sal's Foreign Car Service
3343 Castro Valley Boulevard
Castro Valley, CA 94546

RE: UNDERGROUND STORAGE TANK CLOSURE REPORT; SAL'S FOREIGN CAR SERVICE, 3343 CASTRO VALLEY BLVD., CASTRO VALLEY: REQUEST FOR PRELIMINARY SITE ASSESSMENT (PSA) PROPOSAL

Dear Mr. Campo:

This Department has completed review of the report of laboratory analyses, as submitted under SEMCO/James C. Bateman Petroleum Services, Inc. cover dated September 23, 1990. This report documents the analyses performed upon soil samples collected August 31, 1990 during the closure of three (3) fuel underground storage tanks (UST) at the referenced site.

The results of laboratory analyses indicate that elevated levels of contamination are present in native soils in proximity to the tanks. Concentrations of total petroleum hydrocarbons as gasoline (TPH-G) were as high as 720 parts per million (ppm) in sample #2 collected from the west sidewall of the 3,000 gallon tank. Other samples collected from below the two 1,000 gallon tanks showed nondetectable (< 1.0 ppm) levels of TPH-G; however, these samples were collected from soil at a depth which is likely below the shallow water table during years of normal precipitation. A water sample collected from ground water welling into the excavation below the 3,000 gallon tank showed concentrations of benzene, toluene, ethylbenzene, and xylenes of 6, 28, 12, and 50 parts per billion (ppb), respectively. Product "sheen" was noted upon ground water welling into the pit, along with the distinct odor of gasoline.

As a result of the noted observations made at the time of closure and the results of laboratory analyses, it is evident that an unauthorized release of hazardous materials from the UST systems has occurred at this site. Consequently, you are requested to perform additional investigative work, in the form of a Preliminary Site Assessment (PSA), to ensure that there has not been a substantial impact to ground water underlying this site.

This requisite PSA will help to define the vertical and lateral impact upon ground water and soils resulting from any releases from the tanks prior to their removal. The information gathered by this investigation will be used to determine an appropriate course of action to remediate the site. The PSA must be conducted in accordance with the RWQCB Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks. The major elements of such an investigation are summarized in the attached Appendix A.

In order to proceed with a site investigation, you should obtain professional services of a reputable environmental/geotechnical firm. Your responsibility is to have the consultant submit for review a proposal outlining planned activities pertinent to meeting the criteria broadly outlined in this letter and the attached Appendix A.

This Department will oversee the assessment and remediation for this site. This oversight will include our review and comment on work proposals and technical guidance on appropriate investigative approaches. The issuance of well drilling permits, however, will be through the Alameda County Flood Control and Water Conservation District, Zone 7. The RWQCB may choose to take over as lead agency if it is determined following the completion of the initial assessment that there has been a substantial impact upon ground water.

This PSA proposal is due within 30 days of the date of this letter, **or by October 28, 1990.** Once this proposal has been reviewed and approved, **work should commence no later than November 28, 1990.** Accompanying this proposal must be an additional check payable to Alameda County totalling $558 to offset expenses incurred by this Department during oversight of this project.

A report must be submitted within 30 days after the completion of this phase of work at the site. Subsequent reports must be submitted quarterly until this site qualifies for final RWQCB "sign off". Such quarterly reports are due the first day of the second month of each subsequent quarter (i.e., November 1, February 1, May 1, and August 1).

The referenced quarterly reports should describe the status of the investigation and must include, among others, the following elements:

- Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.

- Status of ground water contamination characterization
- Interpretation of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target component, geologic cross sections, etc.
- Recommendations or plans for additional investigative work or remediation

All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. Please include a statement of qualifications for each lead professional involved with this project.

Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13267 (b). Failure to respond or a late response could result in the referral of this case to the RWQCB for enforcement, possibly subjecting the responsible party to civil penalties to a maximum of $1,000 per day. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB.

Should you have any questions about the content of this letter, please call me at 415/271-4320.

Sincerely,

Scott O. Seery
Hazardous Materials Specialist

enclosure

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Howard Hatayama, DHS
Bob Bohman, Castro Valley Fire Department
Chuck Kiper, SEMCO
files

Appendix A

Workplan for Initial Subsurface Investigation

There are a large number of initial site investigations related to unauthorized releases of fuel products. The number of workplans and reports to be reviewed and approved require that these documents have uniform organization and content. The purpose of this appendix is to present an outline to be followed by professional engineering or geologic consultants in preparing workplans to be submitted for approval to the Regional Board and local agencies.

A statement of qualifications and registration number for the California registered engineer and/or registered geologist responsible for the project will need to be included with the submitted workplan and reports.

This appendix should be referred to in context with the "Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks".

PROPOSAL FORMAT

I. Introduction

A. Statement of Scope of Work

B. Site location

C. Background

D. Site History

1. Brief description of the type of business and associated activities that take place at the site, including the number and capacity of operating tanks.

2. Description of previous businesses at the site.

3. Complete description of tank activities, tank contents, and tank removal.

a. Number of underground tanks, uses, etc. (include the volume of each tank, construction material, and tank condition)

b. Date of tank removal and condition of tank.

c. Description of all waste removal, including copies of all manifests.

d. Filing status and copy of unauthorized release form, if not previously submitted.

e. Previous tank testing results and date. Include discussion of inventory reconciliation methods and results for previous three years.

E. Estimate of the total quantity of product lost.

4. Other spill, leak and accident history at the site, including any previously removed tanks.

5. Describe any previous subsurface work at the site or adjacent sites.

II. Site Description

A. Vicinity description and hydrogeologic setting.

B. Vicinity map (including wells located on-site or on adjoining lots, as well as any nearby streams).

C. Site map to include:

1. Adjacent streets.

2. Site building locations.

3. Tank locations.

4. Island locations and piping to pumps from tanks.

5. Any known subsurface conduits, underground utilities, etc.

D. Existing soil contamination and excavation results.

1. Provide sampling procedures used.

2. Indicate depth to groundwater, if encountered.

3. Describe soil strata encountered in excavation.

4. Provide results in tabular form and location of all soil sampling (and water sampling, if appropriate). The date sampled, the identity of the sampler, and signed laboratory data sheets need to be included.

5. Identify underground utilities

6. Describe any unusual problems encountered.

7. Completely describe methods for storing and disposal of all contaminated soil.

8. Reference all required permits, including those issued by the Air Quality Management District and local underground tank permitting agency.

III. Plan for determining extent of soil contamination on site.

A. Describe method/technique for determining extent of contamination within the excavation.

B. Describe sampling methods and procedures to be used.

1. If a soil gas survey is planned, then:

a. Identify number of boreholes, location, sampling depth, etc.

b. Identify subcontractors, if any

c. Identify methods or techniques used for analysis

d. Provide quality assurance plan for field testing

2. If soil borings are to be used to determine the extent of soil contamination, then:

a. Identify number and location (mapped) of proposed borings.

b. Describe depth of borings

c. Describe soil classification system, soil sampling method and rationale

d. Describe boring drilling method, including decontamination procedures.

e. Describe boring abandonment method

C. Describe method and criteria for screening clean versus contaminated soil, including a complete description of procedures to be used for storing and disposal of any excavated soil. If on-site soil aeration is to be utilized, then a complete description of the treatment method is required:

1. Volume and rate of aeration/turning.

2. Method of containment and cover

3. Wet weather contingency plans.

Other on-site treatments (such as bioremediation) requires permits issued by the Regional Board. Off-site storage or treatment also requires permits issued bY the Regional Board.

D. Security measures planned for excavated hole and contaminated soil (i.e., six foot fence aroumd hole, ripped up piping,m spoil piles, etc.)

IV. Plan for determining groundwater contamination.

Construction and placement of wells should adhere to the requirements of the "Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks". If the verified down gradient location has been established, then a complete description of the rationale must be provided. — 1/95

A. Placement and rationale for location of monitoring wells, including a map to scale.

B. Drilling method for construction of monitoring wells, including decontamination procedures.

1. Expected depth and diameter of monitoring wells

2. Date of expected drilling.

3. Method and location of soil sampling of borings.

4. Casing type, diameter, screen interval, and pack and slot sizing technique.

5. Depth and type of seal.

6. Construction diagram for wells.

7. Development method and criteria for determination of adequacy of development.

8. Plans for disposal of cuttings and development water.

9. Surveying plans for wells (requirements include surveying to established benchmark to 0.01 foot)

C. Groundwater sampling plans (include plans for sampling and on-site domestic wells)

1. Water level measurement procedure

2. Methods for free product measurement, observation of sheen and odor.

3. Well purging procedures.

4. Well purge water disposal plans.

5. Sample collection procedures.

6. Sample analyses to be used

7. Quality assurance plan

8. Chain of custody procedures

V. Include a site safety plan

A report will need to be submitted following collection of the information proposed and approved in the workplan. The report should set out the collected information in an orderly fashion and include any recommendations for additional needed work.

CERTIFIED
ENVIRONMENTAL
CONSULTING INC.

November 19, 1990

REF: PRO-0399.90

Mr. Scott O. Seery
Hazardous Materials Specialist
County of Alameda
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We are looking forward to working with you on this project.

Very truly yours,

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Vice President

cc: Sal Campo

140 West Industrial Way
Benicia, California 94510

Ofc (707) 745-0171
Fax (707) 745-0163
(800) 447-0171

CERTIFIED ENVIRONMENTAL CONSULTING INC.

FEE SCHEDULE

The compensation to Certified Environmental Consulting, Inc. (CEC) for its services shall be in accordance with the following schedule:

Hourly Rates

Typical hourly rates for professional and technical categories or for activities performed according to level of difficulty are:

Principal	$100.00 - $125.00
Industrial Hygiene or Safety Prof. (Certified)	$ 75.00 - $ 90.00
Senior Professional	$ 65.00 - $ 85.00
Project Professional	$ 50.00 - $ 65.00
Ind. Hygiene or Safety Prof. (Non Certified)	$ 45.00 - $ 65.00
Ind. Hygiene or Safety Technician	$ 40.00 - $ 55.00
Staff Professional	$ 40.00 - $ 55.00
Administrative Manager	$ 35.00 - $ 45.00
Technician	$ 35.00 - $ 45.00
Technical Editor	$ 40.00
Analyst	$ 40.00
Cartographer	$ 38.00
Technical Typist	$ 35.00
Incidental Unskilled Labor	$ 22.00

Reimbursable Direct Costs

Reimbursable direct costs (i.e., mileage, lodging, per diem, telephone, supplies, and etc.) will be billed as accrued. Other direct costs (i.e., analytical laboratories, drilling companies, and other subcontractors) are subject to an administrative fee of 20 percent.

Invoicing

Invoices will be submitted monthly or as specific tasks are completed and are payable within 10 days, unless otherwise agreed. A 2% discount will be given for invoices paid within 30 days. Interest of 1 1/2 % per month (but not exceeding the maximum legal rate) will be payable on any amount not paid within 30 days, payment thereafter to be applied first to accrued interest and then to the principal unpaid amount. Any attorney's fees or cost incurred in collecting any delinquent amount shall be paid by the Client.

I accept the terms and conditions as described herein and on the attached proposal and do hereby authorize Certified Environmental Consulting, Inc. to proceed with the work.

Project Name_____ Amount $_____
Proposal Date_____ Lump Sum, Time & Expense (Circle One)
Signature_____ Date_____
Company_____